
**2018 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE
ACTION REPORT**

ALABAMA POWER COMPANY

PLANT MILLER ASH POND



Report Electronically Submitted - January 31, 2019

Prepared By:

Southern Company Services

Earth Science and Environmental Engineering



Table of Contents

| | | |
|-------|---|----|
| 1.0 | Introduction | 1 |
| 2.0 | Site Location and Description | 2 |
| 3.0 | Site Geology and Hydrogeology | 2 |
| 3.1 | Physical Setting | 2 |
| 3.2 | Geology and Hydrogeology..... | 2 |
| 3.3 | Uppermost Aquifer | 3 |
| 4.0 | Groundwater Monitoring System and Activity | 5 |
| 4.1 | Groundwater Monitoring System | 5 |
| 4.2 | Monitoring Well Installation and Maintenance | 7 |
| 4.3 | Assessment Monitoring | 7 |
| 4.4 | Additional Groundwater Sampling..... | 7 |
| 5.0 | Sampling Methodology and Analysis..... | 10 |
| 5.1 | Groundwater Flow Direction, Gradient, and Velocity..... | 10 |
| 5.2 | Groundwater Sampling..... | 12 |
| 5.3 | Laboratory Analysis..... | 13 |
| 5.4 | Quality Assurance/Quality Control | 13 |
| 6.0 | Statistical Analysis | 14 |
| 6.1 | Statistical Methods..... | 14 |
| 6.1.1 | Appendix III Constituents..... | 14 |
| 6.1.2 | Assessment Monitoring Statistics..... | 15 |
| 6.2 | Statistical Analysis Results..... | 16 |
| 6.2.1 | First Semi-Annual Groundwater Monitoring Event | 17 |
| 6.2.2 | Second Semi-Annual Groundwater Monitoring Event..... | 17 |
| 7.0 | Monitoring Program Status..... | 18 |
| 8.0 | Conclusions and Future Actions..... | 19 |
| 9.0 | References | 20 |

FIGURES

- Figure 1 Site Location Map
- Figure 2 Site Geologic Map
- Figure 3 Monitoring Well Location Map
- Figure 4 Potentiometric Surface Map (January 2018)
- Figure 5 Potentiometric Surface Map (May 2018)
- Figure 6 Potentiometric Surface Map (October 2018)

TABLES

- Table 1 Groundwater Monitoring Well Network Details
- Table 2 Compliance Sampling Events Summary
- Table 3 Additional Groundwater Sampling Details
- Table 4 Groundwater Elevations Summary 2018
- Table 5 Summary of Background Levels and Groundwater Protection Standards

APPENDICES

- Appendix A Groundwater Analytical Data
- Appendix B Statistical Data Evaluation

ABBREVIATIONS

| | |
|-------|---|
| AL | Alabama |
| APC | Alabama Power Company |
| APCEL | APC Environmental Laboratory |
| ASD | Alternate Source Demonstration |
| ASTM | Alabama Power Company Environmental Laboratory |
| BGS | below ground surface |
| CCR | Coal Combustion Residual |
| CFR | Code of Federal Regulations |
| COC | chain of custody |
| DO | dissolved oxygen |
| EPA | United States Environmental Protection Agency |
| ft | feet |
| GW | groundwater |
| m | meter |
| mg/L | milligram per liter |
| MSL | mean sea level |
| MW- | denotes "Monitoring Well" |
| NELAP | National Environmental Laboratory Accreditation Program |
| NTU | nephelometric turbidity unit |
| ORP | oxidation reduction potential |
| pCi/L | picocuries per liter |
| PE | Professional Engineer |
| PG | Professional Geologist |
| PL | prediction limits |
| PQL | practical quantitation limit |
| PVC | polymerizing vinyl chloride |
| QA/QC | quality assurance/quality control |
| RL | reporting limit |
| RPD | relative percent difference |
| SM | Standard Method(s) |
| SSI | statistically significant increase |
| SSL | statistically significant level |
| TAL | Test America, Inc. |
| TOC | top of casing |
| TDS | total dissolved solids |
| USGS | United States Geological Survey |

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency's (EPA) coal combustion residual (CCR) rule (40 C.F.R. Part 257, Subpart D) and the State of Alabama's ADEM Admin. Code Chapter 335-13-15, this 2018 Annual Groundwater Monitoring and Corrective Action Report has been prepared to document the 2018 initial assessment and two semi-annual groundwater monitoring activities at the Plant Miller Ash Pond and to satisfy the requirements of §257.90(e) and ADEM Admin. Code r. 335-13-15-.06(1)(f). Initial assessment monitoring, semi-annual monitoring, and associated reporting for Plant Miller Ash Pond is performed in accordance with the monitoring requirements §257.90 through §257.95 and ADEM Admin. Code r. 335-13-15-.06(1) through r. 335-13-15-.06(6).

2.0 SITE LOCATION AND DESCRIPTION

Alabama Power Company's James H. Miller, Jr., Electric Generating Plant (Plant Miller) is located at 4250 Porter Road, Quinton, AL 35130-9471. Plant Miller is approximately fifteen miles northwest of Birmingham in western Jefferson County, Alabama. The plant occupies Sections 21, 22, 27, 28, 29, 32, 33, and 34, Township 16 South, Range 5 West and Section 4, Township 17 South, Range 5 West (Section/Township/Range data based on visual inspection of USGS topographic quadrangle maps and GIS plant boundary files provided by Southern Company) (USGS, 1982; USGS, 1983).

The Ash Pond is located south of the main plant. **Figure 1, Site Location Map**, depicts the location of the Plant and Ash Pond with respect to the surrounding area. The Ash Pond was constructed in the late 1970's and is approximately 321 acres in size.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

3.1 Physical Setting

Plant Miller is located in the Black Warrior River basin, an area typified by moderate relief, with river and stream valleys having dendritic drainage patterns. Elevations at the site range from approximately 260 feet above mean sea level (MSL) near the Locust Fork to over 550 feet MSL along ridges north and south of the ash pond.

3.2 Geology and Hydrogeology

Plant Miller lies in the Warrior Basin physiographic region (Sapp and Emplaincourt, 1975), a late Paleozoic basin formed as a result of flexure and sediment loading associated with Appalachian and Ouachita orogenies. The bedrock geology is dominated by clastic sedimentary rocks of the Lower Pottsville Formation as shown on **Figure 2, Site Geologic Map** (GSA, 2010b). The lower Pottsville formation directly underlies Plant Miller and extends down to a depth of approximately 2,100 feet below ground surface. This formation is characterized by cyclic sequences (cyclothems) of marginal marine shale/claystone, siltstone, sandstone, conglomerates, and individual coal beds. These depositional cyclothems reflects the sediment balance controlled by 4th or 5th order glacial eustasy, continued basin evolution, and variations in sedimentation rates (Pashin and Raymond, 2004). Deeper stratigraphy is marked by carbonates, shales, chert, and sandstones of Mississippian to Cambrian in age (Raymond et al., 1988).

The Plant Miller Ash Pond is directly underlain by rocks belonging to the Mary Lee, Gillespy, and Pratt Coal Groups (Ward II et al., 1989) of the Lower Pottsville Formation. In general, each coal group consists of mudstone, shale, fine-grained sandstone, and interbedded coal in fining-upward sequences. Each coal group is bounded by a maximum flooding surface and marine shale unit. Lower Pottsville strata at Plant Miller are on the southeast limb of the Sequatchie Anticline and dip to the southeast between 3° and 5°.

The Pottsville aquifer system is the primary aquifer in Walker County. Although on a regional scale there are other aquifer systems in the vicinity of Plant Miller, the Pottsville aquifer system is the most significant. The nearest exposure of the Valley and Ridge aquifer system occurs in central Jefferson County, approximately 25 miles east of Plant Miller. The nearest exposure of the Tuscaloosa aquifer system occurs in northwesternmost Walker County, approximately 30 miles northwest of Plant Miller. The Tuscaloosa aquifer system is not considered a primary source of groundwater in Walker County (Stricklin, 1989).

The Pottsville aquifer system is comprised primarily of Pennsylvanian-aged sandstones, shales, conglomerates, and coal. Groundwater flow primarily occurs via coal seams or rock fabric discontinuities such as bedding planes and fractures. Groundwater in the Pottsville aquifer is commonly regarded as confined due to large permeability contrasts within the aquifer (Stricklin, 1989). Recharge to the Pottsville formation is largely through infiltration of precipitation and to a lesser extent, downward seepage of river water at hydraulically favored locations. Recharge is accommodated largely by fracture enhanced permeability. Major recharge zones to the Pottsville Formation are related to major geologic structures such as large fault zones or along systematic fold axes (Pashin, 2007).

3.3 Uppermost Aquifer

The Pottsville aquifer is the uppermost aquifer beneath the site. Groundwater occurs in the Mary Lee, Gillespy, and Pratt Coal Groups of the Lower Pottsville Formation beneath the site. The Mary Lee Coal Group is the uppermost aquifer north of the ash pond, the Gillespy Coal Group is the uppermost aquifer beneath the north-central portion of the ash pond, and the Pratt Coal Group is the uppermost aquifer beneath the southern portion of the pond. The primary sources of groundwater in the uppermost aquifer are: (1) coal seams, (2) rock fractures or zones of fracture enhanced permeability, and to a lesser extent (3) bedding planes. Wells were generally screened across coal seams or groundwater yielding fractures. Depth to groundwater producing zones were highly variable at the site and generally ranged from 30 to 300 feet BGS. Caliper, natural gamma, normal resistivity, fluid temperature, fluid resistivity logs, and heat pulse

Plant Miller Ash Pond
2018 Annual Groundwater Monitoring and Corrective Action Report

flowmeter logs were utilized to determine groundwater yielding zones. Packer testing was utilized in select borings to further enhance characterization.

Based on published data, groundwater quality produced from the Pottsville Formation can be characterized by high concentrations of sulfate, iron, and other trace metals (Jennings and Cook, 2010). Trace metals in Pottsville Formation groundwater are associated with sulfide minerals contained in organic-rich strata (e.g., Mudstones and Coal Seams) and siliceous/carbonate healed fractures and joints. Trace element enrichment is likely the result of migrating hydrothermal fluids generated during the late Paleozoic Allegheny orogeny (Diehl et al., 2005). Arsenic, antimony, molybdenum, selenium, copper, thallium, and mercury are elevated in Warrior Basin coal strata (Goldhaber et al., 2002).

4.0 GROUNDWATER MONITORING SYSTEM AND ACTIVITY

Pursuant to §257.91 and ADEM Admin. Code r. 335-13-15-.06(2), Plant Miller has installed a groundwater monitoring system to monitor groundwater within the uppermost aquifer. The PE-certified groundwater monitoring system for the Plant Miller Ash Pond is designed to monitor groundwater passing the waste boundary of the CCR unit within the uppermost aquifer. As required by §257.90(e) and ADEM Admin. Code r. 335-13-15-.06(1)(f), the following also describes monitoring-related activities performed during the preceding year.

4.1 Groundwater Monitoring System

The groundwater monitoring network is comprised of 21 monitoring wells and 1 piezometer well. Monitoring well locations are presented on **Figure 3, Monitoring Well Location Map. Table 1, Groundwater Monitoring Well Network Details**, summarizes the monitoring well construction details and design purpose for the Plant Miller Ash Pond.

Due to the radial nature of groundwater flow at the site, no truly upgradient wells could be sited or installed. Therefore, upgradient monitoring well locations GS-AP-MW-8, GS-AP-MW-13, MR-AP-MW-9S, and MR-AP-MW-13S serve as upgradient locations for Miller Ash Pond. Monitoring well locations MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3S, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-7S, MR-AP-MW-7D, MR-AP-MW-8S, MR-AP-MW-8D, MR-AP-MW-9D, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13D, MR-AP-MW-14, MR-AP-MW-15, and MR-AP-MW-16 are utilized as downgradient locations for the Ash Pond. Downgradient locations are located south of the Ash Pond as determined by water level monitoring and potentiometric surface maps constructed for the site.

Plant Miller Ash Pond
 2018 Annual Groundwater Monitoring and Corrective Action Report

Table 1. Groundwater Monitoring Well Network Details

| Well Name | Installation Date | Northing | Easting | Ground Elevation | Top of Casing Elevation | Top of Screen Elevation | Bottom of Screen Elevation | Purpose |
|--------------|-------------------|-------------|-------------|------------------|-------------------------|-------------------------|----------------------------|--------------|
| MR-AP-MW-1 | 4/18/2016 | 1315796.443 | 2101586.68 | 470.67 | 473.68 | 195.01 | 185.01 | Downgradient |
| MR-AP-MW-2 | 3/9/2016 | 1315515.68 | 2100270.201 | 478.83 | 482.33 | 258.64 | 248.64 | Downgradient |
| MR-AP-MW-3S | 4/16/2016 | 1314490.679 | 2101150.356 | 433.34 | 436.27 | 319.91 | 299.91 | Downgradient |
| MR-AP-MW-3D | 2/6/2016 | 1314503.233 | 2101142.734 | 433.94 | 437.06 | 290.15 | 270.15 | Downgradient |
| MR-AP-MW-4 | 2/7/2016 | 1313401.854 | 2101331.314 | 419.22 | 422.47 | 376.59 | 356.59 | Downgradient |
| MR-AP-MW-5 | 2/8/2016 | 1312237.966 | 2101237.427 | 276.15 | 279.22 | 231.22 | 221.22 | Downgradient |
| MR-AP-PZ-5 | 3/16/2016 | 1312254.516 | 2101252.269 | 277.22 | 279.66 | 53.66 | 43.66 | Downgradient |
| MR-AP-MW-6 | 2/9/2016 | 1311543.398 | 2101826.033 | 371.03 | 374.30 | 341.63 | 331.63 | Downgradient |
| MR-AP-MW-7S | 2/11/2016 | 1311085.053 | 2102441.432 | 338.25 | 341.75 | 311.32 | 301.32 | Downgradient |
| MR-AP-MW-7D | 4/19/2016 | 1311089.176 | 2102424.149 | 338.27 | 341.51 | 238.36 | 228.36 | Downgradient |
| MR-AP-MW-8S | 2/27/2016 | 1311324.702 | 2103319.766 | 455.03 | 458.06 | 417.40 | 407.40 | Downgradient |
| MR-AP-MW-8D | 2/26/2016 | 1311320.933 | 2103304.454 | 454.39 | 457.64 | 390.27 | 380.27 | Downgradient |
| MR-AP-MW-9S | 4/12/2016 | 1311448.066 | 2103706.868 | 446.35 | 449.63 | 417.54 | 407.54 | Upgradient |
| MR-AP-MW-9D | 12/10/2015 | 1311419.682 | 2103661.771 | 446.40 | 449.71 | 355.32 | 345.32 | Downgradient |
| MR-AP-MW-10 | 3/29/2016 | 1311111.833 | 2104370.288 | 538.09 | 541.74 | 374.22 | 364.22 | Downgradient |
| MR-AP-MW-11 | 3/30/2016 | 1311434.723 | 2105563.036 | 590.92 | 594.02 | 332.98 | 322.98 | Downgradient |
| MR-AP-MW-12 | 2/24/2016 | 1313191.812 | 2105182.709 | 501.46 | 504.53 | 395.72 | 385.72 | Downgradient |
| MR-AP-MW-13D | 2/25/2016 | 1314114.769 | 2104830.326 | 434.51 | 437.36 | 364.09 | 354.09 | Downgradient |
| MR-AP-MW-13S | 4/12/2016 | 1314110.288 | 2104848.862 | 434.76 | 437.74 | 406.73 | 396.73 | Upgradient |
| MR-AP-MW-14 | 2/26/2016 | 1314759.424 | 2104706.671 | 427.57 | 430.69 | 389.10 | 379.10 | Downgradient |
| MR-AP-MW-15 | 2/29/2016 | 1315249.573 | 2104131.684 | 410.46 | 413.65 | 386.11 | 376.11 | Downgradient |
| MR-AP-MW-16 | 2/17/2016 | 1315642.521 | 2103360.223 | 415.27 | 418.55 | 390.27 | 380.27 | Downgradient |
| GS-AP-MW-8 | 2/26/2016 | 1323405.23 | 2062398.47 | 431.63 | 434.61 | 390.63 | 370.63 | Upgradient |
| GS-AP-MW-13 | 2/4/2016 | 1319377.84 | 2064083.37 | 461.03 | 464.20 | 371.03 | 351.03 | Upgradient |

Notes:

1. Northing and easting are in feet relative to the State Plane Alabama West North America Datum of 1983.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.

4.2 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system in 2018; the network remained the same as in the 2017 (previous) reporting year. Monitoring well-related activities were limited to the following: Visual inspection of well conditions prior to sampling, recording the site conditions, and performing exterior maintenance to perform sampling under safe and clean conditions.

4.3 Assessment Monitoring

Based on results of the 2017 Annual Groundwater and Corrective Action Monitoring Report, Alabama Power initiated an assessment monitoring program on January 15, 2018. Pursuant to 40 CFR §257.95(a) and ADEM Admin. Code r. 335-13-15-.06(6)(a) monitoring wells were sampled for Appendix IV parameters in January 2018, within 90 days of initiating the assessment monitoring program. Pursuant to 40 CFR §257.95(d) and ADEM Admin. Code r. 335-13-15-.06(6)(d), monitoring wells were subsequently sampled for Appendix III and Appendix IV parameters in May and October 2018. The May 2018 event was conducted within 90 days of obtaining the results from the January 2018 sampling event. Samples were collected from wells in the Professional Engineer (PE)-certified monitoring systems shown on **Figure 3**. A summary of groundwater sampling events completed in 2018 is provided in **Table 2, Compliance Sampling Events Summary**.

Analytical data from the initial assessment and semi-annual monitoring events are included as **Appendix A, Groundwater Analytical Data**, in accordance with the requirements of §257.90(e)(3) and ADEM Admin. Code r. 335-13-15-.06(1)(f)3.

| Table 2. Compliance Sampling Events Summary | | | |
|--|-----------------------|-----------------------|-------------------------|
| | Sampling Purpose | Constituents Sampled | Laboratory Receipt Date |
| Compliance Event 1 | Initial Assessment | Appendix IV | 04/15/2018 |
| Compliance Event 2 | Assessment Monitoring | Appendices III and IV | 07/16/2018 |
| Compliance Event 3 | Assessment Monitoring | Appendices III and IV | 11/16/2018 |

4.4 Additional Groundwater Sampling

Additional groundwater sampling was performed in March and October. Groundwater samples were collected following the procedures described in Section 5.0. **Table 3, Additional Groundwater Sampling**

Plant Miller Ash Pond
2018 Annual Groundwater Monitoring and Corrective Action Report

Details, provides a list of wells and analytes. Analytical results are included in **Appendix A, Groundwater Analytical Data**.

Table 3. Additional Groundwater Sampling Details

| Well ID | MW-1 | MW-2 | MW-3S | MW-3D | MW-4 | MW-5 | PZ-5 | MW-6 | MW-7S | MW-7D | MW-8S | MW-8D | MW-9S | MW-9D | MW-10 | MW-11 | MW-12 | MW-13S | MW-13D | MW-14 | MW-15 | MW-16 | |
|------------------------|------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-----|
| Alkalinity, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Bicarbonate Alkalinity | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Boron-11 | | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | | Yes | | | | | | Yes |
| Calcium, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Carbonate Alkalinity | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Chloride | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Conductivity | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| CFC-11 | | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes | | Yes | | Yes | Yes | Yes |
| CFC-12 | | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes | | Yes | | Yes | Yes | Yes |
| CFS-113 | | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes | | Yes | | Yes | Yes | Yes |
| Dissolved Oxygen | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dissolved Solids | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Iron, Dissolved | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Iron, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Magnesium, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Manganese, Dissolved | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Manganese, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| ORP | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| pH | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| pH for Alkalinity | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Potassium, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sodium, Total | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sulfate | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Temperature | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Turbidity | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Tritium | | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes | | Yes | | Yes | Yes | Yes |

5.0 SAMPLING METHODOLOGY AND ANALYSIS

The following describes the methods used to conduct assessment monitoring at the Plant Miller Ash Pond.

5.1 Groundwater Flow Direction, Gradient, and Velocity

Prior to each sampling event, groundwater levels were measured and recorded to the nearest 0.01 foot within a 24-hour period from the certified well network and piezometers. Groundwater levels recorded during the monitoring events are summarized in **Table 4, Groundwater Elevations Summary 2018**. Groundwater levels and top of casing elevations were used to calculate groundwater elevation and develop the potentiometric surface elevation contour map provided as **Figures 4 through 6, Potentiometric Surface Contour Map(s)**. The principal direction of groundwater flow is towards the west with components of flow towards the northwest and southeast also observed.

Plant Miller Ash Pond
2018 Annual Groundwater Monitoring and Corrective Action Report

| Table 4 | | | | |
|--|---|-------------------------------|-----------------------|-----------------------|
| Groundwater Elevations Summary 2018 | | | | |
| Well ID | Top of Casing Elevation (ft MSL) | Groundwater Elevations | | |
| | | (feet MSL) | | |
| | | Jan-18 | May-18 | Oct-18 |
| MR-AP-MW-1 | 473.68 | 280.25 | 280.84 | 279.10 |
| MR-AP-MW-2 | 482.33 | 280.23 | 280.74 | 278.99 |
| MR-AP-MW-3D | 437.06 | 325.42 | 326.79 | 348.61 |
| MR-AP-MW-3S | 436.27 | 347.21 | 348.94 | 325.30 |
| MR-AP-MW-4 | 422.47 | 380.79 | 380.92 | 380.81 |
| MR-AP-MW-5 | 279.22 | +279.22 (Artesian) | +279.22 (Artesian) | +279.22 (Artesian) |
| MR-AP-PZ-5 | 279.66 | +279.66 (Artesian) | +279.22 (Artesian) | +279.66 (Artesian) |
| MR-AP-MW-6 | 374.3 | +359.17 (Artesian) | +374.30 (Artesian) | +374.30 (Artesian) |
| MR-AP-MW-7D | 341.51 | 302.80 | 258.41 | 257.77 |
| MR-AP-MW-7S | 341.75 | 258.27 | 327.60 | 327.43 |
| MR-AP-MW-8D | 457.64 | 413.37 | 413.79 | 413.50 |
| MR-AP-MW-8S | 458.06 | 413.79 | 419.67 | 419.28 |
| MR-AP-MW-9D | 449.71 | 412.81 | 412.88 | 412.74 |
| MR-AP-MW-9S | 449.63 | 423.90 | 422.17 | 420.54 |
| MR-AP-MW-10 | 541.74 | 414.62 | 415.20 | 415.14 |
| MR-AP-MW-11 | 594.02 | 365.43 | 367.88 | 366.28 |
| MR-AP-MW-12 | 504.53 | 416.45 | 416.59 | 416.32 |
| MR-AP-MW-13D | 437.36 | 403.54 | 400.75 | 395.85 |
| MR-AP-MW-13S | 437.74 | 423.60 | 424.43 | 423.44 |
| MR-AP-MW-14 | 430.69 | 410.82 | 411.32 | 410.02 |
| MR-AP-MW-15 | 413.65 | 401.50 | 402.17 | 400.04 |
| MR-AP-MW-16 | 418.55 | 388.34 | 389.69 | 388.90 |

Groundwater flow rates at the site were calculated based on hydraulic gradients, hydraulic conductivity from previous slug and packer testing results, and an estimated effective porosity of the screened horizon. Based on slug and packer test data at the site, hydraulic conductivity averages 6.15×10^{-4} cm/sec or 1.74 feet/day. An effective porosity of 10% was used. Horizontal flow velocity was 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 permeability of the aquifer $\left(\frac{\text{feet}}{\text{day}}\right)$

i = Horizontal hydraulic gradient

n_e = Effective porosity

Potentiometric surface lines from the most recent sampling event were utilized to calculate groundwater flow or “seepage” velocities. Groundwater seepage velocities for the bedrock aquifer were calculated using an average hydraulic conductivity value of 6.15×10^{-4} cm/sec or 1.74 feet/day and a conservative literature value for effective porosity of 10%. The groundwater flow velocity calculated for groundwater flowing southeast was 0.93 ft/day or 340 ft/year. The groundwater flow velocity calculated for groundwater flowing north-northwest was 0.37 ft/day or 135 ft/year. The groundwater flow velocity calculated for groundwater flowing west was 0.68 ft/day or 248 ft/year. Calculated gradients and flow rates do not consider vertical flow gradients. Flow velocities are consistent with historical observations.

5.2 Groundwater Sampling

Groundwater samples were collected in accordance with §257.93(a) and ADEM Admin. Code r. 335-13-15-.06(4)(a). All monitoring wells at Plant Miller are equipped with a dedicated pump. Monitoring wells were purged and sampled using low-flow sampling procedures whereby samples are collected when field water quality parameters (pH, turbidity, conductivity, and dissolved oxygen) were measured to determine stabilization. Groundwater samples were collected when the following stabilization criteria were met:

- 0.2 standard units for pH
- 5% for specific conductance
- 0.2 Mg/L or 10% for DO > 0.5 mg/l (whichever is greater)
- Turbidity measurements less than 5 NTU
- Temperature and ORP – record only, no stabilization criteria

During purging and sampling a SmarTroll instrument was used to monitor and record field parameters. Once stabilization was achieved, samples were collected and submitted to the laboratory following standard chain-of-custody (COC) protocol.

5.3 Laboratory Analysis

Laboratory analyses was performed by the APC Environmental Laboratory (APCEL) in Calera, Alabama or Test America, Inc. (TAL), of Pensacola, Florida and St. Louis, Missouri. Both APCEL and TAL are accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed. Groundwater data and chain of custody records for the monitoring events are presented in **Appendix A**.

5.4 Quality Assurance/Quality Control

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

Groundwater quality data for the most recent sampling event was validated for the most recent sampling event following guidance from the EPA Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (November 2001); the EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences, post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits.

Where appropriate, validation qualifiers and flags are applied to the data using the procedures in EPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance. Flagged data is identified in the statistical analysis reports.

6.0 STATISTICAL ANALYSIS

Statistical analysis of Appendix III and IV groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to 40 CFR §257.93 and ADEM Admin. Code r. 335-13-15-.06(4) and following the appropriate PE-certified method. The statistical method used at the site was developed by Groundwater Stats Consulting, LLC. (GSC), in accordance with 40 CFR §257.93(f) and ADEM Admin. Code r. 335-13-15-.06(4)(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, EPA 530/R-09-007 (USEPA, 2009).

6.1 Statistical Methods

The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations. Although Assessment Monitoring has been implemented, statistical evaluation of Appendix III constituents is performed to determine if constituents have returned to background conditions. Statistical analysis was performed using methods described in the PE-certified statistical analysis plan for the site.

6.1.1 Appendix III Constituents

Statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limit methods, combined with a 1-of-2 verification plan for each of the Appendix III parameters. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there has been an initial statistically significant increase (SSI) over background groundwater quality.

A summary table of the statistical limits accompanies the prediction limits in **Appendix B, Statistical Data Evaluation**.

6.1.2 Assessment Monitoring Statistics

Parametric tolerance limits were used to calculate 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 groundwater protection standard (GWPS).

As described in 40 CFR §257.95(h)(1)-(3) the GWPS is:

- (1) The maximum contaminant level established under §141.62 and 141.66 of this title (the “MCL”).
- (2) Where an MCL has not been established:
 - (i) Cobalt 6 micrograms per liter (ug/l);
 - (ii) Lead 15 ug/l;
 - (iii) Lithium 40 ug/l; and
 - (iv) Molybdenum 100 ug/l.
- (3) Background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

Existing ADEM Admin Code r. 335-13-15 includes boron as an Appendix IV assessment monitoring parameter; therefore, it is included in the statistical analysis for the site. As explained in the Preamble to the federal CCR rule, the GWPSs listed above for cobalt, lead, lithium, and molybdenum are USEPA-established “Regional Screening Levels” (RSLs) that are used where an MCL has not been established. Following the procedure used by USEPA for the federal CCR rule, the USEPA-established RSL for boron (4.0 mg/L) was used as a GWPS for statistical comparison of boron data. **Table 5, Summary of Background Levels and Groundwater Protection Standards**, summarizes the background limit established at each monitoring well and the GWPS.

| Table 5. Summary of Background Levels and Groundwater Protection Standards | | | |
|---|--------------|-------------------|-------------|
| Analyte | Units | Background | GWPS |
| Antimony | mg/L | 0.003 | 0.006 |
| Arsenic | mg/L | 0.005 | 0.01 |
| Barium | mg/L | 0.19 | 2 |
| Beryllium | mg/L | 0.003 | 0.004 |
| Boron | mg/L | 0.409, 0.44 | 4 |
| Cadmium | mg/L | 0.001 | 0.005 |
| Chromium | mg/L | 0.01 | 0.1 |
| Cobalt | mg/L | 0.0216, 0.022 | 0.006 |
| Fluoride | mg/L | 0.22 | 4 |
| Lead | mg/L | 0.005 | 0.015 |
| Lithium | mg/L | 0.1889, 0.19 | 0.04 |
| Mercury | mg/L | 0.0005 | 0.002 |
| Molybdenum | mg/L | 0.01 | 0.1 |
| Selenium | mg/L | 0.01 | 0.05 |
| Thallium | mg/L | 0.001 | 0.002 |
| Total Radium-226/228 | pCi/L | 5 | 5 |

Notes:

1. Where 2 numbers are present, they denote the different background levels and background-derived GWPS for each of the 2 semi-annual monitoring events in the order that they were determined.

6.2 Statistical Analysis Results

Analytical data from the 2018 semi-annual monitoring events in May and October were statistically analyzed in accordance with the PE-certified Statistical Analysis Plan (October 2017). Appendix III statistical analysis was performed to determine if constituents have returned to background levels. Appendix IV assessment monitoring parameters were evaluated to determine if concentrations statistically exceeded the established groundwater protection standard.

Based on review of the Appendix III statistical analysis presented in Appendix B, Appendix III constituents have not returned to background levels.

6.2.1 First Semi-Annual Groundwater Monitoring Event

Statistical analysis of Appendix IV data identified the following statistically significant levels (SSLs) over GWPS at the listed wells:

- MR-AP-MW-2: Cobalt
- MR-AP-MW-3D: Arsenic
- MR-AP-MW-4: Cobalt
- MR-AP-MW-5: Arsenic, Lithium
- MR-AP-MW-6: Cobalt

6.2.2 Second Semi-Annual Groundwater Monitoring Event

Statistical analysis of Appendix IV data identified the following statistically significant levels (SSLs) over GWPS at the listed wells:

- MR-AP-MW-2: Cobalt, Lithium
- MR-AP-MW-3D: Arsenic
- MR-AP-MW-4: Cobalt
- MR-AP-MW-5: Arsenic, Lithium
- MR-AP-MW-6: Cobalt

7.0 MONITORING PROGRAM STATUS

In accordance with §257.94(e) and ADEM Admin. Code r. 335-13-15-.06(5)(e), APC implemented assessment monitoring in January 2018. SSIs of Appendix III and SSLs of Appendix IV parameters were identified at the Plant Miller Ash Pond during sampling events conducted in 2018. Alternate Source Demonstrations (ASDs) have not been completed for every Appendix IV constituent exceeding the GWPS; therefore, in accordance with §257.95(g)(3)(i) and ADEM Admin. Code r. 335-13-15-.06(6)(g)4(i), APC will implement assessment of corrective measures as required by §257.96 and ADEM Admin. Code r. 335-13-15-.06(7).

8.0 CONCLUSIONS AND FUTURE ACTIONS

Based on results reported in the *2017 Annual Groundwater and Corrective Action Monitoring Report*, APC initiated an assessment monitoring program on January 15, 2018. Groundwater samples were subsequently collected from the certified well network and analyzed for Appendix IV parameters.

The certified compliance monitoring well network was resampled on a semi-annual basis, occurring in May and October 2018. The groundwater samples were analyzed for all Appendix III & IV parameters. The data from the semi-annual events were statistically evaluated relative to GWPS. Statistical evaluations of the May and October 2018 assessment monitoring data identified SSLs of Appendix IV constituents above the GWPS.

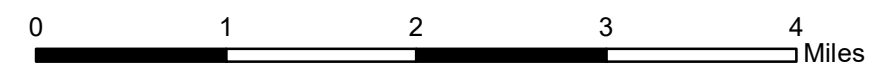
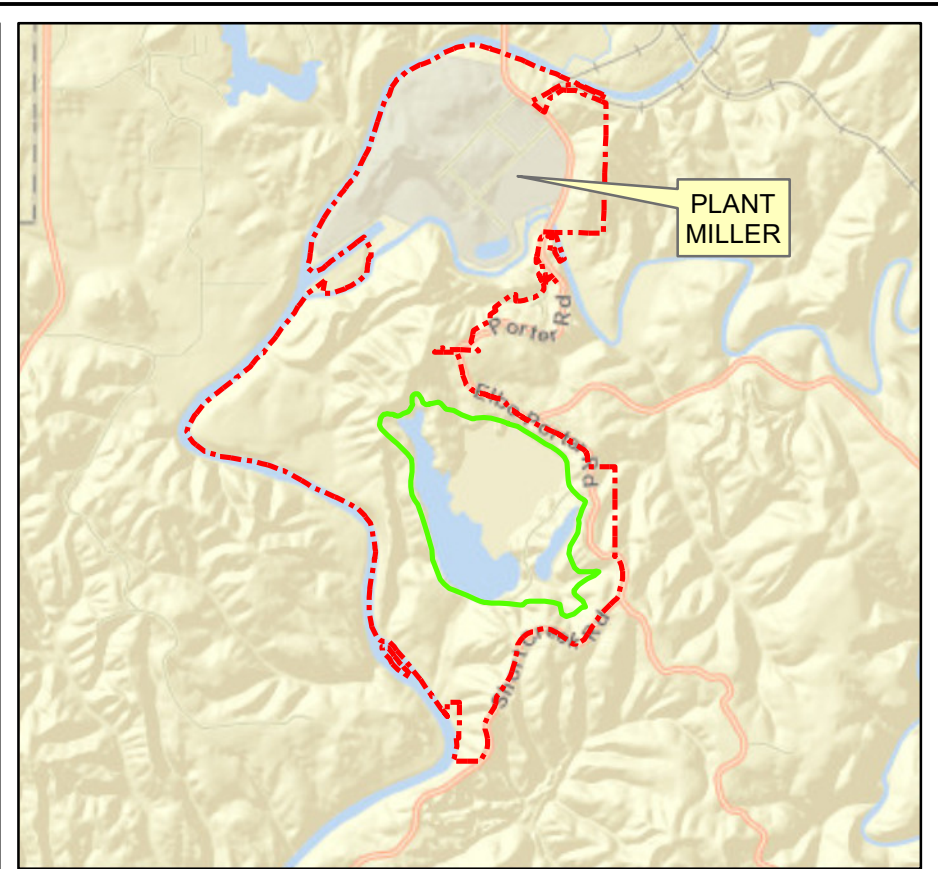
Additional groundwater samples were collected to further characterize groundwater quality. An ASD was not prepared to address the Appendix IV SSLs. APC will characterize the nature and extent of GWPS exceedances as required by §257.95(g)(1) and ADEM Admin. Code r. 335-13-15-.06(6)(g)2 and perform an assessment of corrective measures pursuant to §257.96 and ADEM Admin. Code r. 335-13-15-.06(7).

The first semi-annual assessment monitoring event is planned for April 2019.

9.0 REFERENCES

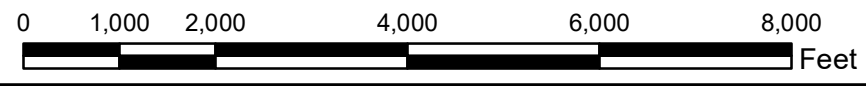
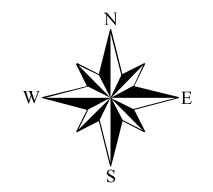
- ASTM Standard D5092, 2004(2010)e1, Standard Practice for Design and Installation of Groundwater Monitoring Wells, ASTM International, West Conshohocken, PA, DOI 10.1520/D5092-04R10E01, www.astm.org
- Geological Survey of Alabama (GSA), 2010b, Digital Geologic Map of Alabama, URL: <http://www.gsa.state.al.us/index.html>, accessed November, 2010.
- Goldhaber, M.B., Lee, R.C., Hatch, J.R., Pashin, J.C., and Treworgy, J., 2002, The role of large-scale fluid flow in subsurface arsenic enrichment, In: Welch, A., Stollenwerk, K (Eds.), *Arsenic in Ground Water: Occurrence and Geochemistry*, v. 5, p. 127-176
- Jennings, S.P., and Cook, M.R., 2010, A Report to the Hanceville Water Works and Sewer Board, Open File Report 1001
- Pashin, J.C., and Raymond, D.E., 2004, Glacial-eustatic control of coalbed methane reservoir distribution (Pottsville Formation; Lower Pennsylvanian) in the Black Warrior Basin of Alabama: Tuscaloosa, Alabama, University of Alabama College of Continuing Studies, 2004 International Coalbed Methane Symposium Proceedings, Paper 0413, 15 p.
- Pashin, J.C., 2007, Hydrodynamics of Coalbed Methane Reservoirs in the Black Warrior Basin: Key to Understanding Reservoir Performance and Environmental Issues, *Applied Geochemistry*, v. 22, I. 10, p. 2257-2272
- Raymond, D.E., Osborne, W.E., Copeland, C.W. Jr, and Neathery, T.L., 1988, Alabama Stratigraphy: Alabama Geological Survey Circular, v. 140, p. 1-97
- Sapp, C.D., and Emplaincourt, J., 1975, Physiographic regions of Alabama, Special Map 168, Geological Survey of Alabama
- Stricklin, V.E., 1989, Geohydrology and Susceptibility of Major Aquifers to Surface Contamination in Alabama: Area 3, U.S. Geological Survey, Water-Resources Investigations Report 88-4120
- U.S. Environmental Protection Agency (EPA), 2004, Evaluation of Sampling and Field-Filtration Methods for the Analysis of Trace Metals In Groundwater Project Summary, EPA/600/SR-94/119
- USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March
- USEPA. 2011. Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. September
- USEPA. 2014. National Functional Guidelines for Inorganic Superfund Data Review. Office of Superfund Remediation and Technology Innovation (OSRTI). August
- USEPA. 2015. Federal Register. Volume 80. No. 74. Friday April 17, 2015. Part II. Environmental Protection Agency. *40 CFR Parts 257 and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule*. [EPA-HQ-RCRA-2009-0640; FRL-9919-44-OSWER]. RIN-2050-AE81. April
- Ward II, W.E., Barnett, R.L., Rheams, L.J., 1989, Coal Resources of Walker County, Alabama, Geological Survey of Alabama, Special Map 205

Figures



Legend

- Ash Pond Boundary
- Property Boundary (Approximate)



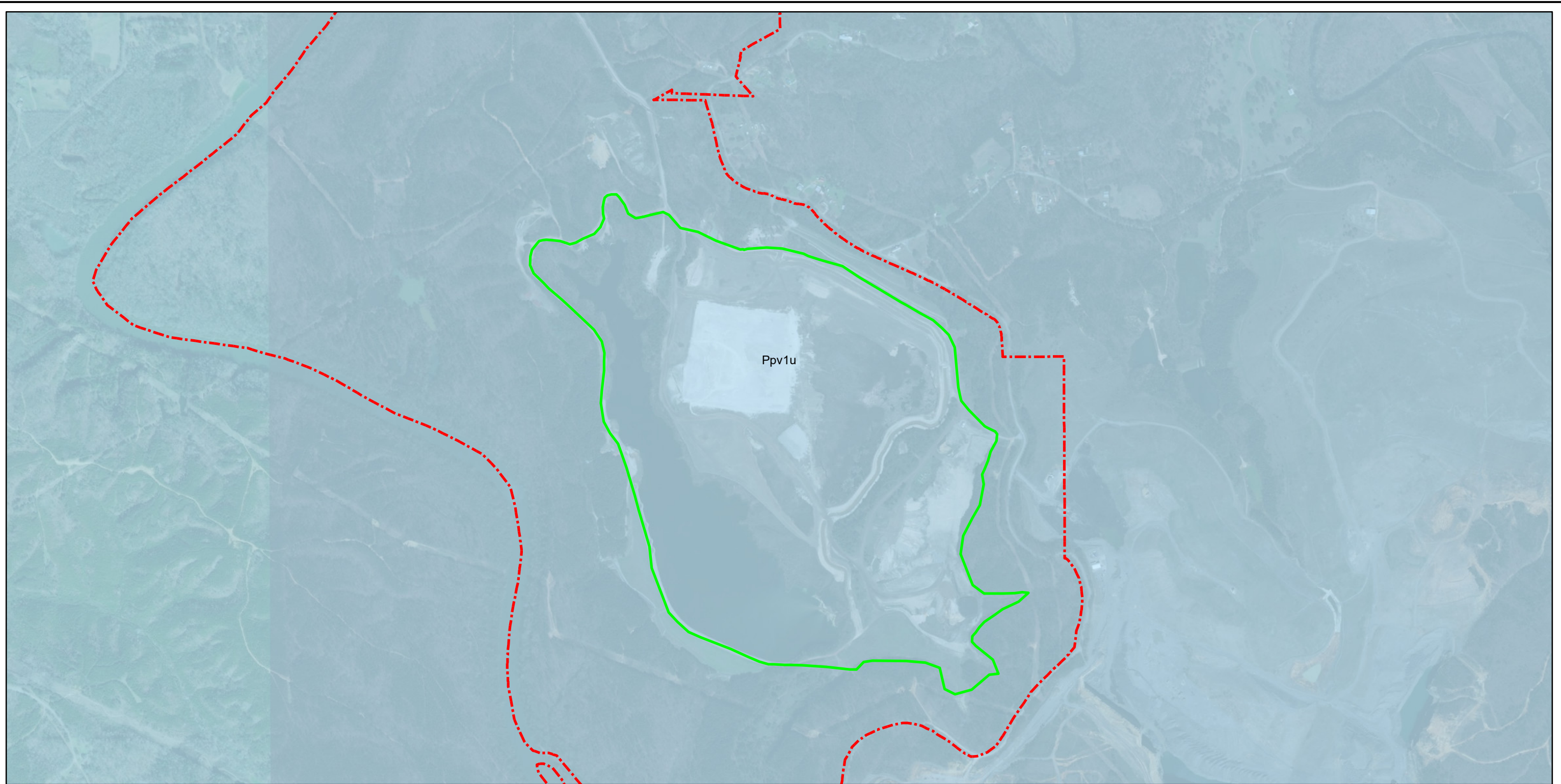
Copyright © 2018 Southern Company Services, Inc. All Rights Reserved. This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion is prohibited.

Southern Company Generation
Earth Science and Environmental Engineering

FOR

FIGURE 1
PLANT MILLER ASH POND
SITE LOCATION MAP

| | | | | | |
|------------------------------|------------|----------------|-------|--------|-----|
| Alabama Power Company | | | | | |
| SCALE | PROJ. I.D. | DRAWING NUMBER | SHEET | CONT'D | REV |
| 1:24k | | FIGURE 1 | 1 | | |



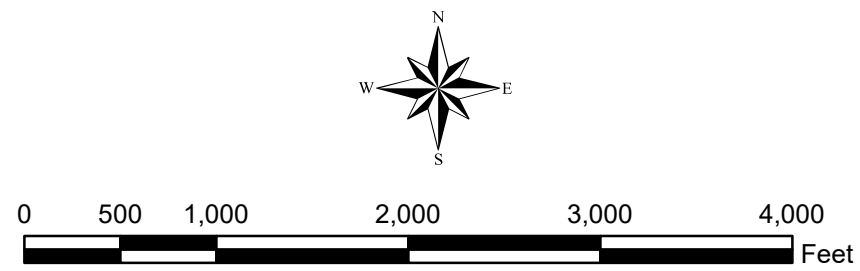
Legend

Ash Pond Boundary

Property Boundary (Approximate)

Geologic Units

Pottsville Formation (upper part), Appalachian Plateaus (Ppv1)



Copyright © 2018 Southern Company Services, Inc. All Rights Reserved. This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion is prohibited.

**Southern Company Generation
Earth Science and Environmental Engineering**

FOR

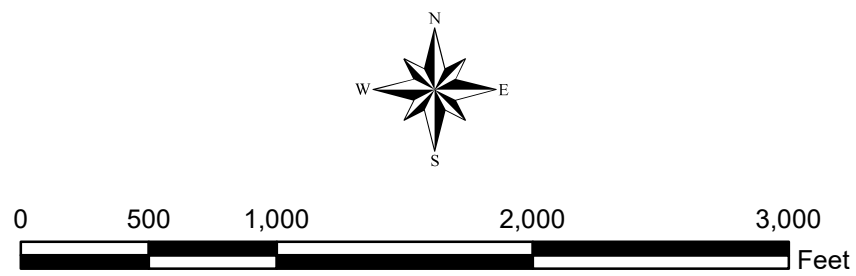
**FIGURE 2
SITE GEOLOGIC MAP
PLANT MILLER ASH POND**

| | | | | | |
|------------------------------|------------|----------------|-------|--------|-----|
| Alabama Power Company | | | | | |
| SCALE | PROJ. I.D. | DRAWING NUMBER | SHEET | CONT'D | REV |
| 1:12k | | FIGURE 2 | 1 | | |



Legend

- Monitoring Well Network
- Ash Pond Boundary
- Property Boundary (Approximate)



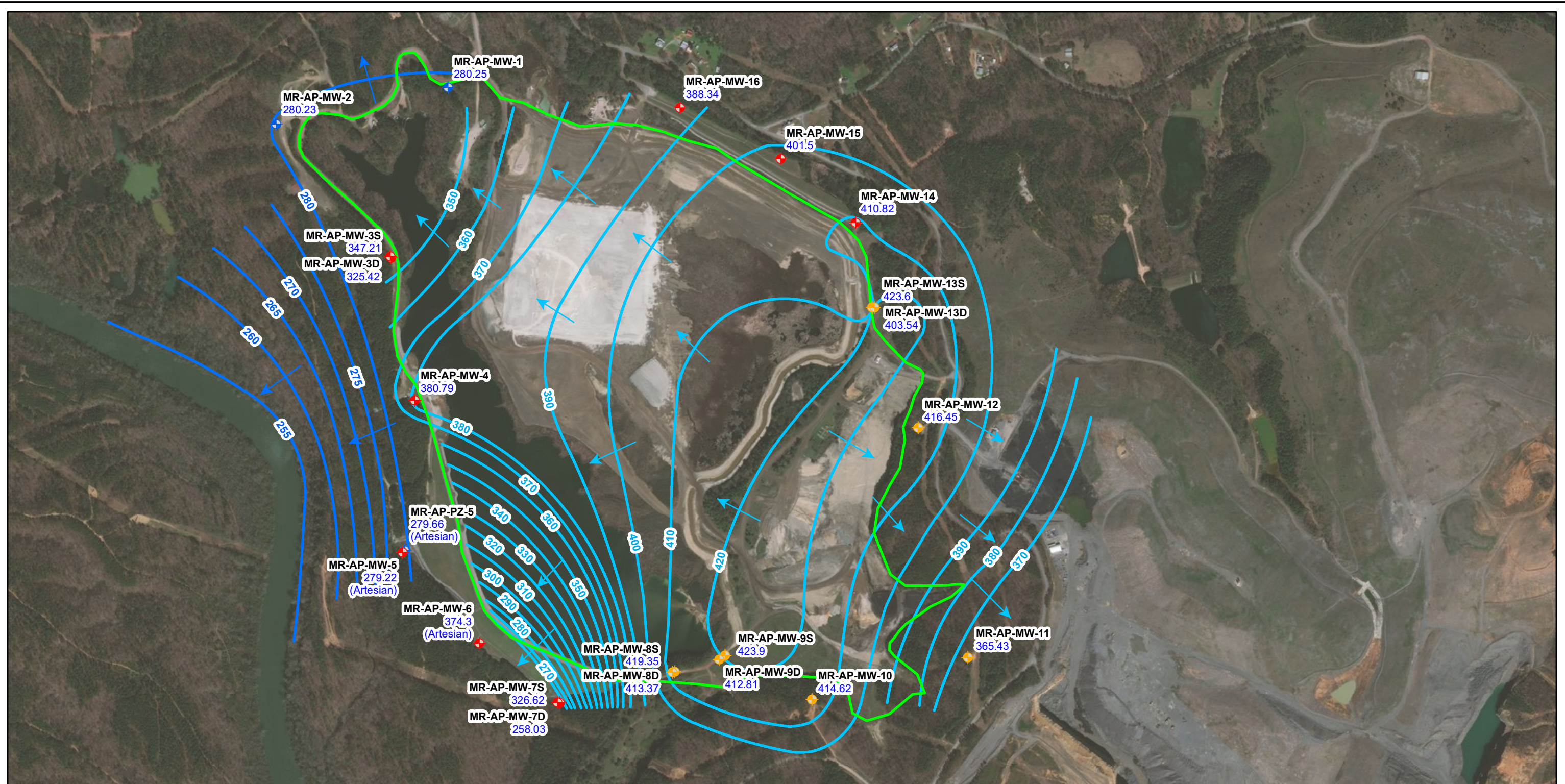
Copyright © 2018 Southern Company Services, Inc. All Rights Reserved. This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion is prohibited.

FIGURE 3
MONITORING WELL LOCATION MAP
PLANT MILLER ASH POND

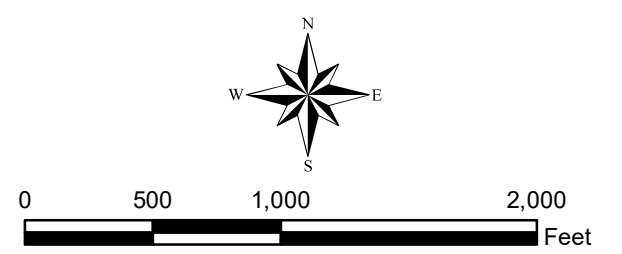
Southern Company Generation
Earth Science and Environmental Engineering

FOR

| | | | | | |
|------------------------------|-----------|----------------|-------|--------|-----|
| Alabama Power Company | | | | | |
| SCALE | PROJ I.D. | DRAWING NUMBER | SHEET | CONT'D | REV |
| 1:9k | | FIGURE 3 | 1 | | |



| Legend | | MR-AP-MW-1 | Well ID |
|--------|---|------------|-----------------------|
| | Monitoring Well (Gillespy Aquifer) | 280.25 | Groundwater Elevation |
| | Approximate Groundwater Flow Direction (Gillespy and Pratt Aquifers) | | |
| | Monitoring Well (Pratt Aquifer) | | |
| | Approximate Groundwater Flow Direction (Mary Lee Aquifer) | | |
| | Monitoring Well (Mary Lee Aquifer) | | |
| | Ash Pond Boundary | | |
| | Conceptual Potentiometric Surface Contour (Gillespy and Pratt Aquifers) | | |
| | Conceptual Potentiometric Surface Contour (Mary Lee Aquifer) | | |



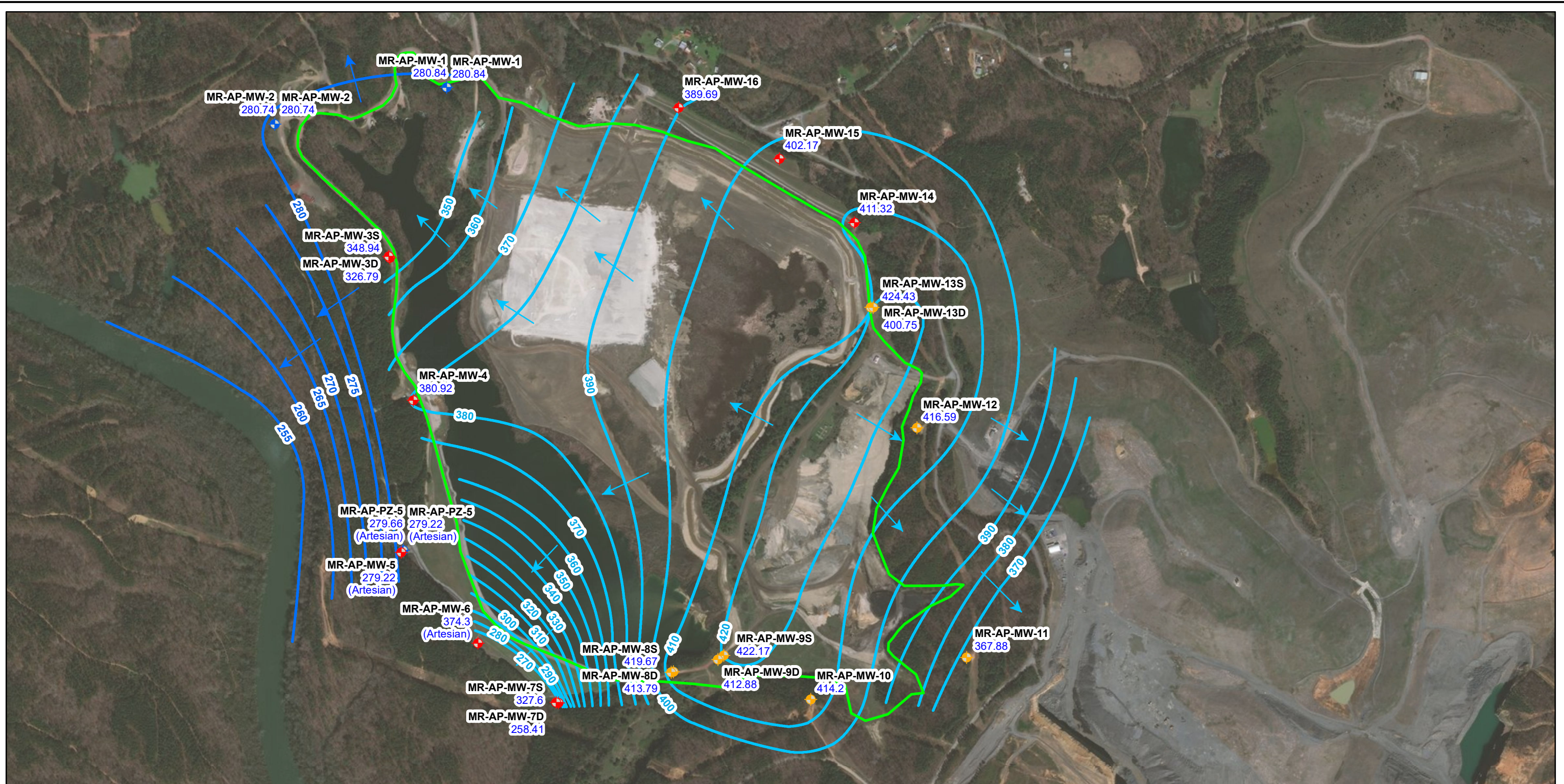
NOTE: NAVD88 indicates North American Vertical Datum of 1988.

Copyright © 2018 Southern Company Services, Inc. All Rights Reserved. This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion is prohibited.

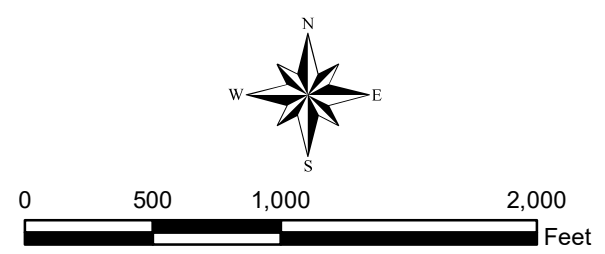
FIGURE 4
 POTENTIOMETRIC SURFACE MAP
 JANUARY 2018
 PLANT MILLER ASH POND

Southern Company Generation
 Earth Science and Environmental Engineering
 FOR

| | | | | | |
|------------------------------|------------|----------------|-------|--------|-----|
| Alabama Power Company | | | | | |
| SCALE | PROJ. I.D. | DRAWING NUMBER | SHEET | CONT'D | REV |
| 1:9k | | FIGURE 4 | 1 | | |



| Legend | | MR-AP-MW-1 | Well ID |
|--------|--|------------|-----------------------|
| | Monitoring Well (Gillespie Aquifer) | 280.84 | Groundwater Elevation |
| | Approximate Groundwater Flow Direction (Gillespie and Pratt Aquifers) | | |
| | Monitoring Well (Pratt Aquifer) | | |
| | Conceptual Potentiometric Surface Contour (Gillespie and Pratt Aquifers) | | |
| | Monitoring Well (Mary Lee Aquifer) | | |
| | Approximate Groundwater Flow Direction (Mary Lee Aquifer) | | |
| | Ash Pond Boundary | | |
| | Conceptual Potentiometric Surface Contour (Mary Lee Aquifer) | | |



NOTE: NAVD88 indicates North American Vertical Datum of 1988.

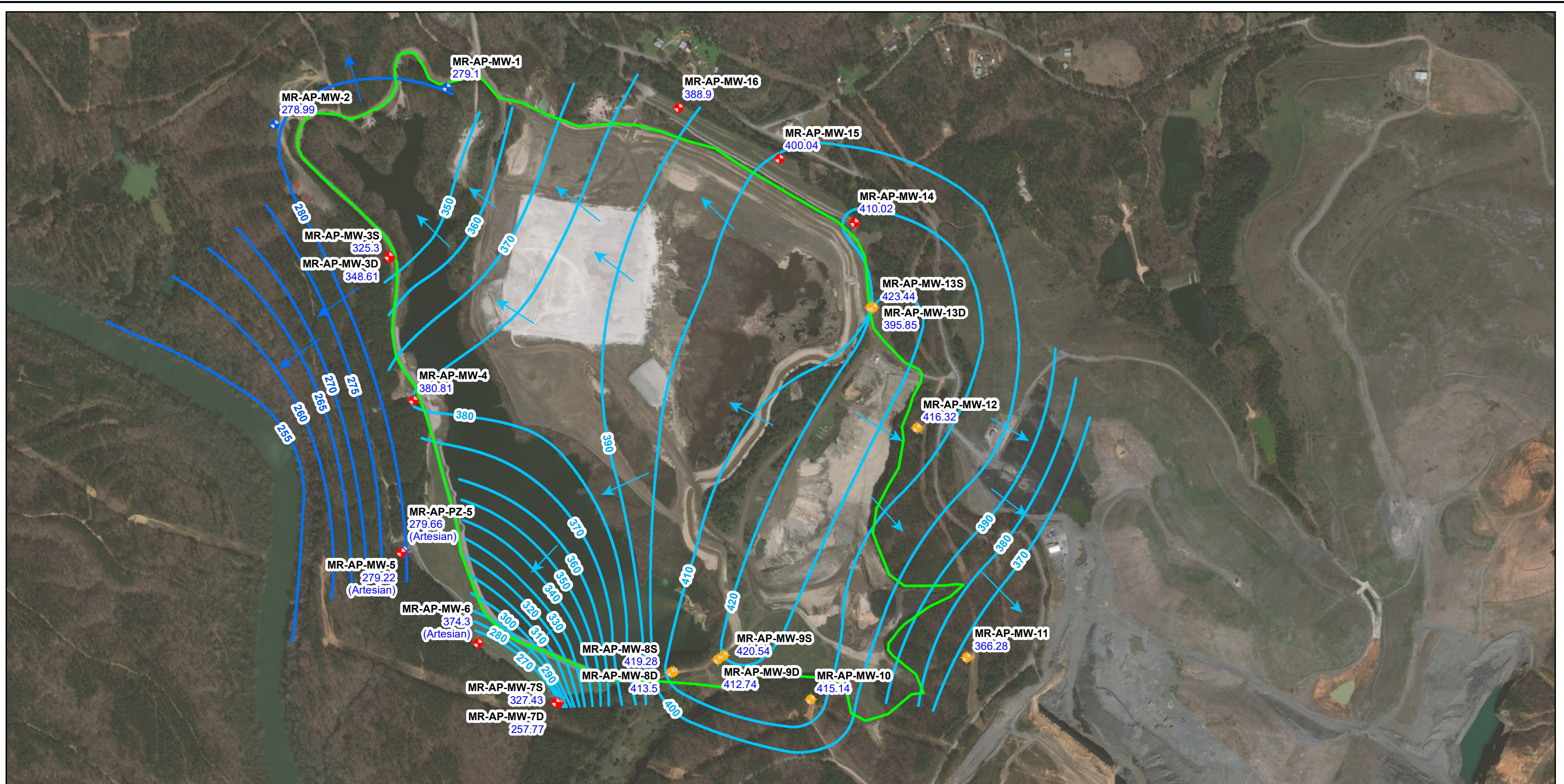
Copyright © 2018 Southern Company Services, Inc. All Rights Reserved. This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion is prohibited.

FIGURE 5
 POTENTIOMETRIC SURFACE MAP
 MAY 2018
 PLANT MILLER ASH POND

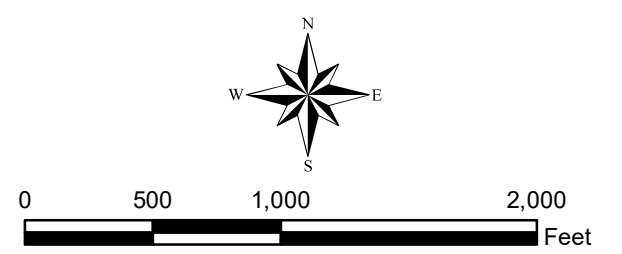
Southern Company Generation
 Earth Science and Environmental Engineering

FOR

| | | | | | |
|------------------------------|-----------|----------------|-------|--------|-----|
| Alabama Power Company | | | | | |
| SCALE | PROJ I.D. | DRAWING NUMBER | SHEET | CONT'D | REV |
| 1:9k | | FIGURE 5 | 1 | | |



| Legend | | MR-AP-MW-1 | Well ID |
|--------|---|------------|-----------------------|
| | Monitoring Well (Gillespy Aquifer) | 279.1 | Groundwater Elevation |
| | Monitoring Well (Pratt Aquifer) | | |
| | Monitoring Well (Mary Lee Aquifer) | | |
| | Ash Pond Boundary | | |
| | Approximate Groundwater Flow Direction (Gillespy and Pratt Aquifers) | | |
| | Approximate Groundwater Flow Direction (Mary Lee Aquifer) | | |
| | Conceptual Potentiometric Surface Contour (Gillespy and Pratt Aquifers) | | |
| | Conceptual Potentiometric Surface Contour (Mary Lee Aquifer) | | |



NOTE: NAVD88 indicates North American Vertical Datum of 1988.

Copyright © 2018 Southern Company Services, Inc. All Rights Reserved. This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion is prohibited.

FIGURE 6
POTENTIOMETRIC SURFACE MAP
OCTOBER 2018
PLANT MILLER ASH POND

Southern Company Generation
Earth Science and Environmental Engineering

FOR

| | | | | | |
|------------------------------|------------|----------------|-------|--------|-----|
| Alabama Power Company | | | | | |
| SCALE | PROJ. I.D. | DRAWING NUMBER | SHEET | CONT'D | REV |
| 1:9k | | FIGURE 6 | 1 | | |

Appendix A

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Field Case Narrative



Miller Ash Pond

Assessment Event 1

All samples were collected using methods defined in Alabama Power's Water Field Group Low-Flow Groundwater Sampling Procedure and the associated site-specific Sampling and Analysis Plan (SAP).

An additional dissolved set was collected at well PZ-5 after black suspended solids were visible in the turbidity vial while collecting readings. Turbidity readings were consistently less than 3 NTU while pumping and the turbidity meter was verified as accurate at the end of the day after sampling.

Field quality control procedures were performed as follows:

- Blanks and Sample Duplicates were collected as described in the SAP.
- Calibration verification for all required field parameters were performed daily, before and after sample collection.

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Analytical Report



Sample Group : WMWMILAP_1132

Project/Site : Miller Ash Pond
Quinton, AL 35130

For : Southern Company Services
42 Inverness Center Parkway
Birmingham, AL 35242

Attention : Dustin Brooks & Greg Dyer

Released By : Sarah Copeland
sgcopela@southernco.com
(205) 664-6121

The following data has been reviewed and approved by:

Quality Control: Sarah
Copeland

Digitally signed by Sarah Copeland
DN: cn=Sarah Copeland, o, ou,
email=sgcopela@southernco.com,
c=US
Date: 2018.03.08 11:39:22 -06'00'

Supervision: T. Durant
Maske

Digitally signed by T. Durant Maske
DN: cn=T. Durant Maske, o=Alabama
Power Company, ou=Environmental
Affairs, email=tdmaske@southernco.com,
c=US
Date: 2018.03.09 09:32:40 -06'00'

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Case Narrative

 Alabama Power



Fluoride

Miller Ash Pond

WMWMILAP_1132

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All samples were outsourced to Test America, Pensacola for analysis. There was no job narrative provided, as there were no issues to report.



Metals ICP

Miller Ash Pond

WMWMILAP_1132

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY02642 | 20180207BK | WMWMILAP_1132 |
| AY02643 | 20180207BK | WMWMILAP_1132 |
| AY02644 | 20180207BK | WMWMILAP_1132 |
| AY02645 | 20180207BK | WMWMILAP_1132 |
| AY02646 | 20180207BK | WMWMILAP_1132 |
| AY02647 | 20180207BK | WMWMILAP_1132 |
| AY02648 | 20180207BK | WMWMILAP_1132 |
| AY02649 | 20180207BK | WMWMILAP_1132 |
| AY02650 | 20180207BK | WMWMILAP_1132 |
| AY02651 | 20180207BK | WMWMILAP_1132 |
| AY02652 | 20180207CK | WMWMILAP_1132 |
| AY02653 | 20180207CK | WMWMILAP_1132 |
| AY02654 | 20180207CK | WMWMILAP_1132 |
| AY02655 | 20180207CK | WMWMILAP_1132 |
| AY02656 | 20180207CK | WMWMILAP_1132 |
| AY02657 | 20180207CK | WMWMILAP_1132 |
| AY02658 | 20180207CK | WMWMILAP_1132 |
| AY02659 | 20180207CK | WMWMILAP_1132 |
| AY02660 | 20180207CK | WMWMILAP_1132 |
| AY02661 | 20180207CK | WMWMILAP_1132 |
| AY02662 | 20180207DK | WMWMILAP_1132 |
| AY02663 | 20180207DK | WMWMILAP_1132 |
| AY02664 | 20180207DK | WMWMILAP_1132 |
| AY02665 | 20180207DK | WMWMILAP_1132 |
| AY02666 | 20180207DK | WMWMILAP_1132 |
| AY02667 | 20180207DK | WMWMILAP_1132 |
| AY02668 | 20180207DK | WMWMILAP_1132 |
| AY02669 | 20180207DK | WMWMILAP_1132 |
| AY02670 | 20180207DK | WMWMILAP_1132 |
| AY02671 | 20180207AK | WMWMILAP_1132 |



4. All of the above samples were analyzed by EPA 200.7 and prepared by EPA 1638.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and failed. Reanalysis of ICV passed and all criteria were met before sample analysis.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The spectral interference check associated with EPA 200.7 was analyzed and all acceptance criteria were met.
- All sample internal standard criteria were met.
- The high standard readbacks associated with EPA 200.7 were within acceptance criteria.
- It is noted that the QC summary page typically provides the QC results from the original batch analytical sequence. If dilutions were subsequently performed to bring sample concentrations within the calibration range, any additional QC data from the dilution analyses may need to be obtained from the laboratory. Any qualifications applied to original analyses or dilution re-analyses are based upon QC data available at the time of review.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.
7. All samples were analyzed at a x2.03 dilution to compensate for potential matrix effects.
 8. The raw data results include results corrected for dilution.



Metals ICPMS

Miller Ash Pond

WMWMILAP_1132

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY02642 | 611669 | WMWMILAP_1132 |
| AY02643 | 611669 | WMWMILAP_1132 |
| AY02644 | 611669 | WMWMILAP_1132 |
| AY02645 | 611669 | WMWMILAP_1132 |
| AY02646 | 611669 | WMWMILAP_1132 |
| AY02647 | 611669 | WMWMILAP_1132 |
| AY02648 | 611669 | WMWMILAP_1132 |
| AY02649 | 611669 | WMWMILAP_1132 |
| AY02650 | 611669 | WMWMILAP_1132 |
| AY02651 | 611669 | WMWMILAP_1132 |
| AY02652 | 611670 | WMWMILAP_1132 |
| AY02653 | 611670 | WMWMILAP_1132 |
| AY02654 | 611670 | WMWMILAP_1132 |
| AY02655 | 611670 | WMWMILAP_1132 |
| AY02656 | 611670 | WMWMILAP_1132 |
| AY02657 | 611670 | WMWMILAP_1132 |
| AY02658 | 611670 | WMWMILAP_1132 |
| AY02659 | 611670 | WMWMILAP_1132 |
| AY02660 | 611670 | WMWMILAP_1132 |
| AY02661 | 611670 | WMWMILAP_1132 |
| AY02662 | 611671 | WMWMILAP_1132 |
| AY02663 | 611671 | WMWMILAP_1132 |
| AY02664 | 611671 | WMWMILAP_1132 |
| AY02665 | 611671 | WMWMILAP_1132 |
| AY02666 | 611671 | WMWMILAP_1132 |
| AY02667 | 611671 | WMWMILAP_1132 |
| AY02668 | 611671 | WMWMILAP_1132 |
| AY02669 | 611671 | WMWMILAP_1132 |
| AY02670 | 611671 | WMWMILAP_1132 |
| AY02671 | 611927 | WMWMILAP_1132 |



4. All of the above samples were analyzed by EPA 200.8 and prepared by EPA 1638.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- All tune and calibration met criteria for all requested analytes.
- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch with the exception of batch 611927, which is a dissolved set.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The interference check samples associated with EPA 200.8 were analyzed and passed for all requested analytes.
- All sample internal standard criteria were met.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for precision were met.
7. All samples were analyzed at a dilution of 1 to 5 to compensate for any matrix effects.
 8. The raw data results are shown with dilution factors included.



Mercury

Miller Ash Pond

WMWMILAP_1132

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY02642 | 611850 | WMWMILAP_1132 |
| AY02643 | 611850 | WMWMILAP_1132 |
| AY02644 | 611850 | WMWMILAP_1132 |
| AY02645 | 611850 | WMWMILAP_1132 |
| AY02646 | 611850 | WMWMILAP_1132 |
| AY02647 | 611850 | WMWMILAP_1132 |
| AY02648 | 611850 | WMWMILAP_1132 |
| AY02649 | 611850 | WMWMILAP_1132 |
| AY02650 | 611850 | WMWMILAP_1132 |
| AY02651 | 611850 | WMWMILAP_1132 |
| AY02652 | 611851 | WMWMILAP_1132 |
| AY02653 | 611851 | WMWMILAP_1132 |
| AY02654 | 611851 | WMWMILAP_1132 |
| AY02655 | 611851 | WMWMILAP_1132 |
| AY02656 | 611851 | WMWMILAP_1132 |
| AY02657 | 611851 | WMWMILAP_1132 |
| AY02658 | 611851 | WMWMILAP_1132 |
| AY02659 | 611851 | WMWMILAP_1132 |
| AY02660 | 611851 | WMWMILAP_1132 |
| AY02661 | 611851 | WMWMILAP_1132 |
| AY02662 | 611852 | WMWMILAP_1132 |
| AY02663 | 611852 | WMWMILAP_1132 |
| AY02664 | 611852 | WMWMILAP_1132 |
| AY02665 | 611852 | WMWMILAP_1132 |
| AY02666 | 611852 | WMWMILAP_1132 |
| AY02667 | 611852 | WMWMILAP_1132 |
| AY02668 | 611852 | WMWMILAP_1132 |
| AY02669 | 611852 | WMWMILAP_1132 |
| AY02670 | 611852 | WMWMILAP_1132 |
| AY02671 | 612337 | WMWMILAP_1132 |



4. All of the above samples were analyzed and prepared by EPA 245.1.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the method detection limit for the requested analyte.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analyte.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analyte.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch was below the limit of quantitation for the requested analyte.
- All calibration met criteria for the requested analyte.
- All response signals were satisfactory.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.
7. All samples were analyzed without a dilution.
 8. The raw data results are shown with dilution factors included.

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY02642

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0119 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0282 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00548 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.110 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0236 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.35 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY02642

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|--------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | | 91.3 | 70 to 130 | 0.779 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | | 93.3 | 70 to 130 | 0.736 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY02642

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 29-Jan-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY02643

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00264 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.118 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.164 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0370 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.31 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY02643

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY02643

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY02644

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0137 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0171 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0852 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00273 | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.28 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY02644

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY02644

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-4 Dup

Laboratory ID Number: AY02645

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0134 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0165 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0847 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00247 | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.28 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-4 Dup

Laboratory ID Number: AY02645

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-4 Dup

Laboratory ID Number: AY02645

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02646

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | U <0.032 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02646

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | | Limit | Spike | | | | | Rec | Limit | | |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02646

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY02647

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00185 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0331 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.1000 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00815 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.10 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY02647

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 29-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY02647

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY02648

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q | Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|---|--------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J | 0.00254 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0381 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U | Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J | 0.00207 | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U | Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | | 0.140 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0320 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U | Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U | Not Detected | mg/L |
| General Characteristics | | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | | 0.21 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY02648

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY02648

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY02649

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0201 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0314 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0681 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.55 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY02649

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY02649

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY02650

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00161 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0379 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00272 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0419 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0330 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.35 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY02650

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY02650

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY02651

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q | Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|---|--------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J | 0.00230 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0148 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U | Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0157 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U | Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | | 0.0693 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U | Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U | Not Detected | mg/L |
| General Characteristics | | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | J | 0.090 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY02651

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02651 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.102 | 0.0999 | 0.0999 | 0.085 to 0.115 | 102 | 70 to 130 | 1.60 | 20 |
| AY02651 | Lithium, Total | mg/L | 0.00000217 | 0.022 | 0.20 | 0.274 | 0.276 | 0.184 | 0.17 to 0.23 | 102 | 70 to 130 | 0.598 | 20 |
| AY02651 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.103 | 0.105 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 1.75 | 20 |
| AY02651 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0959 | 0.0958 | 0.0943 | 0.085 to 0.115 | 95.9 | 70 to 130 | 0.0358 | 20 |
| AY02651 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0950 | 0.0946 | 0.0949 | 0.085 to 0.115 | 95.0 | 70 to 130 | 0.436 | 20 |
| AY02651 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0913 | 0.0906 | 0.100 | 0.085 to 0.115 | 91.3 | 70 to 130 | 0.779 | 20 |
| AY02651 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.110 | 0.110 | 0.0938 | 0.085 to 0.115 | 94.8 | 70 to 130 | 0.687 | 20 |
| AY02651 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0933 | 0.0926 | 0.0968 | 0.085 to 0.115 | 93.3 | 70 to 130 | 0.736 | 20 |
| AY02651 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.105 | 0.104 | 0.0924 | 0.085 to 0.115 | 89.2 | 70 to 130 | 0.527 | 20 |
| AY02651 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.0981 | 0.0994 | 0.0947 | 0.085 to 0.115 | 98.1 | 70 to 130 | 1.31 | 20 |
| AY02651 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0968 | 0.0978 | 0.0954 | 0.085 to 0.115 | 96.8 | 70 to 130 | 1.01 | 20 |
| AY02651 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.101 | 0.104 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 3.42 | 20 |
| AY02651 | Mercury, Total by CVAA | mg/L | 0.0000416 | 0.0005 | 0.004 | 0.00398 | 0.00396 | 0.00386 | 0.0034 to 0.0046 | 99.6 | 70 to 130 | 0.695 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY02651

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9D Dup

Laboratory ID Number: AY02652

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q | Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|---|--------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J | 0.00233 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0149 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U | Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0163 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U | Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | | 0.0688 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U | Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U | Not Detected | mg/L |
| General Characteristics | | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | J | 0.080 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9D Dup

Laboratory ID Number: AY02652

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | 95.2 | 70 to 130 | 1.25 | 20 | |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | 93.6 | 70 to 130 | 0.575 | 20 | |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.991 | 20 | |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | 99.7 | 70 to 130 | 1.28 | 20 | |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | 108 | 70 to 130 | 0.980 | 20 | |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | 103 | 70 to 130 | 0.638 | 20 | |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 2.05 | 20 | |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | 98.6 | 70 to 130 | 0.246 | 20 | |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | 88.5 | 70 to 130 | 1.64 | 20 | |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | 103 | 70 to 130 | 0.0462 | 20 | |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | 89.5 | 70 to 130 | 2.00 | 20 | |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | 97.9 | 70 to 130 | 0.723 | 20 | |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | 93.2 | 70 to 130 | 0.874 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9D Dup

Laboratory ID Number: AY02652

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 30-Jan-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY02653

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0188 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0577 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00357 | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.19 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY02653

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | 95.2 | 70 to 130 | 1.25 20 |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | 99.7 | 70 to 130 | 1.28 20 |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | 93.6 | 70 to 130 | 0.575 20 |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | 98.6 | 70 to 130 | 0.246 20 |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | 88.5 | 70 to 130 | 1.64 20 |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | 97.9 | 70 to 130 | 0.723 20 |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | 93.2 | 70 to 130 | 0.874 20 |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | 108 | 70 to 130 | 0.980 20 |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | 103 | 70 to 130 | 0.638 20 |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 2.05 20 |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | 103 | 70 to 130 | 0.0462 20 |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | 89.5 | 70 to 130 | 2.00 20 |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.991 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY02653

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 30-Jan-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY02654

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00189 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0224 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.178 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.113 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.69 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY02654

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | 95.2 | 70 to 130 | 1.25 | 20 | |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.991 | 20 | |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | 93.6 | 70 to 130 | 0.575 | 20 | |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | 99.7 | 70 to 130 | 1.28 | 20 | |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | 97.9 | 70 to 130 | 0.723 | 20 | |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | 93.2 | 70 to 130 | 0.874 | 20 | |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | 103 | 70 to 130 | 0.0462 | 20 | |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | 89.5 | 70 to 130 | 2.00 | 20 | |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | 98.6 | 70 to 130 | 0.246 | 20 | |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | 88.5 | 70 to 130 | 1.64 | 20 | |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | 108 | 70 to 130 | 0.980 | 20 | |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | 103 | 70 to 130 | 0.638 | 20 | |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 2.05 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 30-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY02654

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY02655

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00229 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0138 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.163 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0943 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.42 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY02655

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|--------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | | 95.2 | 70 to 130 | 1.25 | 20 |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | | 93.6 | 70 to 130 | 0.575 | 20 |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | | 99.7 | 70 to 130 | 1.28 | 20 |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | | 108 | 70 to 130 | 0.980 | 20 |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | | 103 | 70 to 130 | 0.638 | 20 |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | 2.05 | 20 |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | | 92.2 | 70 to 130 | 0.991 | 20 |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | | 97.9 | 70 to 130 | 0.723 | 20 |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | | 93.2 | 70 to 130 | 0.874 | 20 |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | | 98.6 | 70 to 130 | 0.246 | 20 |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | | 88.5 | 70 to 130 | 1.64 | 20 |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | | 103 | 70 to 130 | 0.0462 | 20 |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | | 89.5 | 70 to 130 | 2.00 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY02655

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY02656

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0700 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0169 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.10 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY02656

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|--------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | | |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | | 99.7 | 70 to 130 | | 1.28 | 20 |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | | 92.2 | 70 to 130 | | 0.991 | 20 |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | | 95.2 | 70 to 130 | | 1.25 | 20 |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | | 93.6 | 70 to 130 | | 0.575 | 20 |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | | 98.6 | 70 to 130 | | 0.246 | 20 |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | | 88.5 | 70 to 130 | | 1.64 | 20 |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | | 108 | 70 to 130 | | 0.980 | 20 |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | | 103 | 70 to 130 | | 0.638 | 20 |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | | 2.05 | 20 |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | | 103 | 70 to 130 | | 0.0462 | 20 |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | | 89.5 | 70 to 130 | | 2.00 | 20 |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | | 97.9 | 70 to 130 | | 0.723 | 20 |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | | 93.2 | 70 to 130 | | 0.874 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY02656

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | | |
|--------|----------|-------|-------|----|-------|-----|-----------|-----|-------|------|-------|------|-------|
| | | | Limit | | | | Duplicate | LCS | Limit | Rec | Limit | Prec | Limit |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-15 Dup

Laboratory ID Number: AY02657

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0708 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0167 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.10 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-15 Dup

Laboratory ID Number: AY02657

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|--------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | | 95.2 | 70 to 130 | | 1.25 | 20 |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | | 92.2 | 70 to 130 | | 0.991 | 20 |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | | 99.7 | 70 to 130 | | 1.28 | 20 |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | | 93.6 | 70 to 130 | | 0.575 | 20 |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | | 108 | 70 to 130 | | 0.980 | 20 |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | | 103 | 70 to 130 | | 0.638 | 20 |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | | 2.05 | 20 |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | | 103 | 70 to 130 | | 0.0462 | 20 |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | | 89.5 | 70 to 130 | | 2.00 | 20 |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | | 97.9 | 70 to 130 | | 0.723 | 20 |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | | 93.2 | 70 to 130 | | 0.874 | 20 |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | | 98.6 | 70 to 130 | | 0.246 | 20 |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | | 88.5 | 70 to 130 | | 1.64 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-15 Dup

Laboratory ID Number: AY02657

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY02658

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q | Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|---|--------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J | 0.00394 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0207 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U | Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0186 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U | Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | | 0.0725 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U | Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U | Not Detected | mg/L |
| General Characteristics | | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | J | 0.090 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY02658

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|--------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | | 95.2 | 70 to 130 | | 1.25 | 20 |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | | 92.2 | 70 to 130 | | 0.991 | 20 |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | | 99.7 | 70 to 130 | | 1.28 | 20 |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | | 98.6 | 70 to 130 | | 0.246 | 20 |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | | 88.5 | 70 to 130 | | 1.64 | 20 |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | | 103 | 70 to 130 | | 0.0462 | 20 |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | | 89.5 | 70 to 130 | | 2.00 | 20 |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | | 97.9 | 70 to 130 | | 0.723 | 20 |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | | 93.2 | 70 to 130 | | 0.874 | 20 |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | | 108 | 70 to 130 | | 0.980 | 20 |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | | 103 | 70 to 130 | | 0.638 | 20 |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | | 2.05 | 20 |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | | 93.6 | 70 to 130 | | 0.575 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY02658

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY02659

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00196 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0843 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0343 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.13 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY02659

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | 95.2 | 70 to 130 | 1.25 | 20 | |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.991 | 20 | |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | 93.6 | 70 to 130 | 0.575 | 20 | |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | 99.7 | 70 to 130 | 1.28 | 20 | |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | 98.6 | 70 to 130 | 0.246 | 20 | |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | 88.5 | 70 to 130 | 1.64 | 20 | |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | 103 | 70 to 130 | 0.0462 | 20 | |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | 89.5 | 70 to 130 | 2.00 | 20 | |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | 108 | 70 to 130 | 0.980 | 20 | |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | 103 | 70 to 130 | 0.638 | 20 | |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 2.05 | 20 | |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | 97.9 | 70 to 130 | 0.723 | 20 | |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | 93.2 | 70 to 130 | 0.874 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY02659

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02660

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | U <0.032 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02660

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|--------|----|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | | 95.2 | 70 to 130 | | 1.25 | 20 |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | | 93.6 | 70 to 130 | | 0.575 | 20 |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | | 92.2 | 70 to 130 | | 0.991 | 20 |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | | 99.7 | 70 to 130 | | 1.28 | 20 |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | | 97.9 | 70 to 130 | | 0.723 | 20 |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | | 93.2 | 70 to 130 | | 0.874 | 20 |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | | 98.6 | 70 to 130 | | 0.246 | 20 |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | | 88.5 | 70 to 130 | | 1.64 | 20 |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | | 103 | 70 to 130 | | 0.0462 | 20 |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | | 89.5 | 70 to 130 | | 2.00 | 20 |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | | 108 | 70 to 130 | | 0.980 | 20 |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | | 103 | 70 to 130 | | 0.638 | 20 |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | | 2.05 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 31-Jan-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02660

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 01-Feb-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY02661

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00284 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0814 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | J 0.000372 | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00287 | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.124 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0109 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.15 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY02661

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY02661 | Antimony, Total | mg/L | 0.0000539 | 0.00132 | 0.10 | 0.0997 | 0.0984 | 0.0954 | 0.085 to 0.115 | 99.7 | 70 to 130 | 1.28 | 20 | |
| AY02661 | Chromium, Total | mg/L | 0.0000287 | 0.0044 | 0.10 | 0.0980 | 0.0993 | 0.0943 | 0.085 to 0.115 | 95.2 | 70 to 130 | 1.25 | 20 | |
| AY02661 | Thallium, Total | mg/L | -0.0000127 | 0.00044 | 0.10 | 0.0922 | 0.0913 | 0.100 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.991 | 20 | |
| AY02661 | Beryllium, Total | mg/L | 0.00 | 0.00132 | 0.10 | 0.108 | 0.109 | 0.102 | 0.085 to 0.115 | 108 | 70 to 130 | 0.980 | 20 | |
| AY02661 | Lithium, Total | mg/L | 0.0000730 | 0.022 | 0.20 | 0.331 | 0.329 | 0.180 | 0.17 to 0.23 | 103 | 70 to 130 | 0.638 | 20 | |
| AY02661 | Mercury, Total by CVAA | mg/L | 0.0000395 | 0.0005 | 0.004 | 0.00396 | 0.00404 | 0.00385 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 2.05 | 20 | |
| AY02661 | Arsenic, Total | mg/L | 0.0000157 | 0.0022 | 0.10 | 0.106 | 0.106 | 0.102 | 0.085 to 0.115 | 103 | 70 to 130 | 0.0462 | 20 | |
| AY02661 | Cobalt, Total | mg/L | -0.00000409 | 0.0044 | 0.10 | 0.0895 | 0.0878 | 0.0924 | 0.085 to 0.115 | 89.5 | 70 to 130 | 2.00 | 20 | |
| AY02661 | Cadmium, Total | mg/L | 0.0000000157 | 0.00066 | 0.10 | 0.0983 | 0.0990 | 0.0999 | 0.085 to 0.115 | 97.9 | 70 to 130 | 0.723 | 20 | |
| AY02661 | Lead, Total | mg/L | 0.0000171 | 0.0022 | 0.10 | 0.0932 | 0.0924 | 0.0968 | 0.085 to 0.115 | 93.2 | 70 to 130 | 0.874 | 20 | |
| AY02661 | Molybdenum, Total | mg/L | 0.0000113 | 0.0044 | 0.10 | 0.109 | 0.109 | 0.0947 | 0.085 to 0.115 | 98.6 | 70 to 130 | 0.246 | 20 | |
| AY02661 | Selenium, Total | mg/L | 0.0000632 | 0.0044 | 0.10 | 0.0885 | 0.0871 | 0.0949 | 0.085 to 0.115 | 88.5 | 70 to 130 | 1.64 | 20 | |
| AY02661 | Barium, Total | mg/L | 0.0000173 | 0.0044 | 0.10 | 0.175 | 0.176 | 0.0938 | 0.085 to 0.115 | 93.6 | 70 to 130 | 0.575 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY02661

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY02662

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0366 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.229 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.12 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY02662

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 | |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 | |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 | |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 | |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 | |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 | |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 | |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 | |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 | |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 | |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 | |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY02662

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY02663

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00130 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0160 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0499 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.222 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.10 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY02663

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 | |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 | |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 | |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 | |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 | |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 | |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 | |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 | |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 | |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 | |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 | |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 | |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY02663

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 01-Feb-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY02664

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0289 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0260 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00829 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.12 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY02664

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | | | | | Limit | Prec | | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY02664

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
Sample Date: 01-Feb-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02665

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | U <0.032 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02665

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY02665

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|--------|----------|-------|----|----|-------|-------|-----|-----------|-----|-----|-------|-------|-----|-------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Rec | Limit | Prec | Limit |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY02666

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0772 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0183 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.17 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY02666

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 |
| AY02670 | Lead, Total | mg/L | 0.0000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY02666

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 01-Feb-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY02667

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00181 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.144 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.133 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 1.0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY02667

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 | |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 | |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 | |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 | |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 | |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 | |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 | |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 | |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 | |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 | |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 | |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 | |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY02667

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY02668

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0142 | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0162 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.221 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0760 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.35 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY02668

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|--------|-------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | | |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | | 98.6 | 70 to 130 | 1.06 | 20 |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | | 99.4 | 70 to 130 | 1.03 | 20 |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | | 91.2 | 70 to 130 | 0.406 | 20 |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | | 96.5 | 70 to 130 | 1.34 | 20 |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | | 88.0 | 70 to 130 | 0.107 | 20 |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | | 99.6 | 70 to 130 | 2.33 | 20 |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | | 96.0 | 70 to 130 | 1.49 | 20 |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | | 95.3 | 70 to 130 | 2.73 | 20 |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | | 92.2 | 70 to 130 | 0.0340 | 20 |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | | 91.0 | 70 to 130 | 0.108 | 20 |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | | 101 | 70 to 130 | 2.08 | 20 |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | | 109 | 70 to 130 | 18.3 | 20 |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | | 90.8 | 70 to 130 | 0.481 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY02668

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 01-Feb-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY02669

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0264 | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0564 | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0732 | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00656 | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 0.10 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY02669

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 |
| AY02670 | Lead, Total | mg/L | 0.0000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY02669

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Prec |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-------|------|
| | | | | | | | Duplicate | LCS | | Limit | Prec |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
Sample Date: 01-Feb-18
Customer ID:
Delivery Date: 01-Feb-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY02670

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 2/9/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 2/7/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 2/5/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Total, by Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | U <0.032 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY02670

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY02670 | Selenium, Total | mg/L | 0.0000408 | 0.0044 | 0.10 | 0.0912 | 0.0916 | 0.0942 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.406 | 20 |
| AY02670 | Mercury, Total by CVAA | mg/L | 0.0000405 | 0.0005 | 0.004 | 0.00397 | 0.00402 | 0.00389 | 0.0034 to 0.0046 | 99.4 | 70 to 130 | 1.03 | 20 |
| AY02670 | Molybdenum, Total | mg/L | 0.0000116 | 0.0044 | 0.10 | 0.0986 | 0.0996 | 0.0959 | 0.085 to 0.115 | 98.6 | 70 to 130 | 1.06 | 20 |
| AY02670 | Cadmium, Total | mg/L | 0.00000382 | 0.00066 | 0.10 | 0.0996 | 0.102 | 0.0977 | 0.085 to 0.115 | 99.6 | 70 to 130 | 2.33 | 20 |
| AY02670 | Chromium, Total | mg/L | 0.0000242 | 0.0044 | 0.10 | 0.0960 | 0.0974 | 0.0950 | 0.085 to 0.115 | 96.0 | 70 to 130 | 1.49 | 20 |
| AY02670 | Arsenic, Total | mg/L | 0.0000169 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 2.08 | 20 |
| AY02670 | Beryllium, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.109 | 0.0911 | 0.0975 | 0.085 to 0.115 | 109 | 70 to 130 | 18.3 | 20 |
| AY02670 | Lithium, Total | mg/L | 0.0000338 | 0.022 | 0.20 | 0.182 | 0.182 | 0.183 | 0.17 to 0.23 | 90.8 | 70 to 130 | 0.481 | 20 |
| AY02670 | Antimony, Total | mg/L | 0.0000458 | 0.00132 | 0.10 | 0.0965 | 0.0978 | 0.0966 | 0.085 to 0.115 | 96.5 | 70 to 130 | 1.34 | 20 |
| AY02670 | Cobalt, Total | mg/L | -0.00000261 | 0.0044 | 0.10 | 0.0880 | 0.0881 | 0.0901 | 0.085 to 0.115 | 88.0 | 70 to 130 | 0.107 | 20 |
| AY02670 | Barium, Total | mg/L | 0.0000162 | 0.0044 | 0.10 | 0.0953 | 0.0979 | 0.0945 | 0.085 to 0.115 | 95.3 | 70 to 130 | 2.73 | 20 |
| AY02670 | Lead, Total | mg/L | 0.00000535 | 0.0022 | 0.10 | 0.0922 | 0.0921 | 0.0961 | 0.085 to 0.115 | 92.2 | 70 to 130 | 0.0340 | 20 |
| AY02670 | Thallium, Total | mg/L | -0.0000186 | 0.00044 | 0.10 | 0.0910 | 0.0911 | 0.101 | 0.085 to 0.115 | 91.0 | 70 to 130 | 0.108 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY02670

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - PZ-5 Dissolved

Laboratory ID Number: AY02671

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-------------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.001 | 0.005 | J 0.00180 | mg/L |
| * Barium, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.002 | 0.01 | 0.138 | mg/L |
| * Beryllium, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cadmium, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Dissolved by CVAA | ABB | 2/14/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Dissolved | HRG | 2/7/2018 | EPA 200.7 | | 2.02 | 0.01 | 0.05 | 0.130 | mg/L |
| * Molybdenum, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.002 | 0.01 | J 0.00494 | mg/L |
| * Thallium, Dissolved | DLJ | 2/7/2018 | EPA 200.8 | | 5.025 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Fluoride, Diss, Test America | SGC | 2/13/2018 | SM 4500 F_C | | 1 | 0.032 | 0.10 | 1.0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - PZ-5 Dissolved

Laboratory ID Number: AY02671

| Sample | Analysis | Units | MB | MB | | | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit |
|---------|----------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----------|-----------|-------|------------|
| | | | | Limit | Spike | MS | | | | | Rec | Limit | |
| AY02671 | Mercury, Dissolved by CVAA | mg/L | 0.0000325 | 0.0005 | 0.004 | 0.00411 | 0.00415 | 0.00389 | 0.0034 to 0.0046 | 103 | 70 to 130 | 0.802 | 20 |
| AY02671 | Antimony, Dissolved | mg/L | 0.0000270 | 0.00132 | 0.10 | 0.0904 | 0.0910 | | | 90.4 | 70 to 130 | 0.685 | 20 |
| AY02671 | Beryllium, Dissolved | mg/L | 0.00000190 | 0.00132 | 0.10 | 0.0908 | 0.0927 | | | 90.8 | 70 to 130 | 2.11 | 20 |
| AY02671 | Thallium, Dissolved | mg/L | 0.00000471 | 0.00044 | 0.10 | 0.0991 | 0.100 | | | 99.1 | 70 to 130 | 1.12 | 20 |
| AY02671 | Barium, Dissolved | mg/L | 0.00000402 | 0.0044 | 0.10 | 0.234 | 0.228 | | | 96.5 | 70 to 130 | 2.59 | 20 |
| AY02671 | Lead, Dissolved | mg/L | 0.00000311 | 0.0022 | 0.10 | 0.0939 | 0.0944 | | | 93.9 | 70 to 130 | 0.583 | 20 |
| AY02671 | Cadmium, Dissolved | mg/L | 0.00000143 | 0.00044 | 0.10 | 0.102 | 0.102 | | | 102 | 70 to 130 | 0.480 | 20 |
| AY02671 | Chromium, Dissolved | mg/L | 0.00000706 | 0.0044 | 0.10 | 0.0967 | 0.0962 | | | 96.7 | 70 to 130 | 0.471 | 20 |
| AY02671 | Cobalt, Dissolved | mg/L | 0.00000343 | 0.0044 | 0.10 | 0.105 | 0.104 | | | 105 | 70 to 130 | 1.72 | 20 |
| AY02671 | Molybdenum, Dissolved | mg/L | 0.00000456 | 0.0044 | 0.10 | 0.0927 | 0.0932 | | | 92.7 | 70 to 130 | 0.609 | 20 |
| AY02671 | Arsenic, Dissolved | mg/L | -0.000000839 | 0.0022 | 0.10 | 0.0994 | 0.0990 | | | 97.6 | 70 to 130 | 0.330 | 20 |
| AY02671 | Lithium, Dissolved | mg/L | 0.000135 | 0.022 | 0.20 | 0.334 | 0.331 | 0.179 | 0.17 to 0.23 | 102 | 70 to 130 | 0.988 | 20 |
| AY02671 | Selenium, Dissolved | mg/L | -0.0000436 | 0.0044 | 0.10 | 0.0953 | 0.0944 | | | 90.4 | 70 to 130 | 0.994 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 01-Feb-18
 Customer ID:
 Delivery Date: 01-Feb-18

Description: Miller Ash Pond - PZ-5 Dissolved

Laboratory ID Number: AY02671

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Test America, Pensacola NELAP ID: E81010

CC:

Definitions



| Abbreviation | Description |
|--------------|---|
| DF | Dilution Factor |
| LCS | Lab Control Sample |
| LFM | Lab Fortified Matrix |
| MB | Method Blank |
| MDL | Method Detection Limit; minimum concentration of an analyte that can be determined with 99% confidence that the concentration is greater than zero. |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| Prec | Precision (% RPD) |
| Q | Qualifier; comment used to note deviations or additional information associated with analytical results. |
| QC | Quality Control |
| Rec | Recovery of Matrix Spike |
| RL | Reporting Limit; lowest concentration at which an analyte can be quantitatively measured. |
| Vio Spec | Violation Specification; regulatory limit which has been exceeded by the sample analyzed. |

| Qualifier | Description |
|-----------|---|
| B | Analyte found in reagent blank. Indicates possible reagent or background contamination. |
| E | Estimated reported value exceeded calibration range. |
| J | Reported value is an estimate because concentration is less than reporting limit. |
| N | Organic constituents tentatively identified. Confirmation is needed. |
| R | Matrix spike recovery is out of range. |
| U | Compound was analyzed, but not detected. |
| P | Precision is out of range. |
| C | Analyte was verified by re-analysis. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |
| L | Check standard is outside of the required specification limit. |
| D | All samples were stored at less than or equal to 6 °C and for no longer than 48 hours from time of sampling, unless otherwise noted. |
| F | Water Field Group (WFG) qualifier; see comments for more information |



Chain of Custody Groundwater

APC General Testing Laboratory
General Service Complex Building 8

- Field Complete
- Lab Complete

Lab ETA 01/31/2018 14:45

| | | | |
|-------------------------|---|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Ben Rothschadl | Location | Miller Ash Pond |
| Analysis Requested | Bottle 1 (500mL): Metals, Bottle 2 (250mL): Hg, Bottle 3 (250mL): Anions | | |
| Comments | There is no temperature preservation requirement for the analyses requested. Fluoride analysis outsourced to Test America, Pensacola. | | |

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|-----------|------------|-------|--------------|------------------|------------|---------|
| MW-3D | 01/29/2018 | 11:02 | 3 | Groundwater | | AY02642 |
| MW-3S | 01/29/2018 | 12:09 | 3 | Groundwater | | AY02643 |
| MW-4 | 01/29/2018 | 13:45 | 3 | Groundwater | | AY02644 |
| MW-4 DUP | 01/29/2018 | 13:45 | 3 | Sample Duplicate | | AY02645 |
| FB-1 | 01/29/2018 | 14:40 | 3 | Field Blank | | AY02646 |
| MW-7D | 01/29/2018 | 14:57 | 3 | Groundwater | | AY02647 |
| MW-7S | 01/30/2018 | 09:00 | 3 | Groundwater | | AY02648 |
| MW-8S | 01/30/2018 | 10:04 | 3 | Groundwater | | AY02649 |
| MW-8D | 01/30/2018 | 11:00 | 3 | Groundwater | | AY02650 |
| MW-9D | 01/30/2018 | 12:02 | 3 | Groundwater | | AY02651 |
| MW-9D DUP | 01/30/2018 | 12:02 | 3 | Sample Duplicate | | AY02652 |
| MW-9S | 01/30/2018 | 13:42 | 3 | Groundwater | | AY02653 |
| MW-12 | 01/30/2018 | 15:02 | 3 | Groundwater | | AY02654 |
| MW-10 | 01/31/2018 | 08:52 | 3 | Groundwater | | AY02655 |
| MW-15 | 01/31/2018 | 10:15 | 3 | Groundwater | | AY02656 |
| MW-15 DUP | 01/31/2018 | 10:15 | 3 | Sample Duplicate | | AY02657 |
| MW-13S | 01/31/2018 | 11:32 | 3 | Groundwater | | AY02658 |
| MW-13D | 01/31/2018 | 12:25 | 3 | Groundwater | | AY02659 |
| FB-3 | 01/31/2018 | 12:50 | 3 | Field Blank | | AY02660 |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|--|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernco.com, c=US Date: 2018.01.31 16:39:51 -0600</small> | 01/31/2018 16:39 |
| | | |
| | | |

| | | | |
|--------------|----------------|---|-------------------------------------|
| SmarTroll ID | 6496-34170-1-1 | All metals and radiological bottles have pH < 2 | <input checked="" type="checkbox"/> |
| Turbidity ID | 3901-20009-2-1 | Cooler Temp | NA |
| | | Thermometer ID | NA |
| | | pH Strip ID | 5881-30150-10-4 |



Chain of Custody
Groundwater
 APC General Testing Laboratory
 General Service Complex Building 8

- Field Complete
- Lab Complete

Lab ETA 01/31/2018 14:45

| | | | |
|-------------------------|---|--------------|---|
| Requested Complete Date | <input type="text" value="Routine"/> | Results To | <input type="text" value="Dustin Brooks, Greg Dyer"/> |
| Site Representative | <input type="text" value="Jeff K. Baker"/> | Requested By | <input type="text" value="Greg Dyer"/> |
| Collector | <input type="text" value="Ben Rothschadl"/> | Location | <input type="text" value="Miller Ash Pond"/> |
| Analysis Requested | <input type="text" value="Bottle 1 (1L): Radiological"/> | | |
| Comments | <input type="text" value="Radium Duplicate collected at MW-8S. No temperature preservation requirement for Radium."/> | | |

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|-----------|------------|-------|--------------|------------------|------------|---------|
| MW-3D | 01/29/2018 | 11:02 | 1 | Groundwater | | AY02672 |
| MW-3S | 01/29/2018 | 12:09 | 1 | Groundwater | | AY02673 |
| MW-4 | 01/29/2018 | 13:45 | 1 | Groundwater | | AY02674 |
| MW-4 DUP | 01/29/2018 | 13:45 | 1 | Sample Duplicate | | AY02675 |
| FB-1 | 01/29/2018 | 14:40 | 1 | Field Blank | | AY02676 |
| MW-7D | 01/29/2018 | 14:57 | 1 | Groundwater | | AY02677 |
| MW-7S | 01/30/2018 | 09:00 | 1 | Groundwater | | AY02678 |
| MW-8S | 01/30/2018 | 10:04 | 3 | Groundwater | | AY02679 |
| MW-8D | 01/30/2018 | 11:00 | 1 | Groundwater | | AY02680 |
| MW-9D | 01/30/2018 | 12:02 | 1 | Groundwater | | AY02681 |
| MW-9D DUP | 01/30/2018 | 12:02 | 1 | Sample Duplicate | | AY02682 |
| MW-9S | 01/30/2018 | 13:42 | 1 | Groundwater | | AY02683 |
| MW-12 | 01/30/2018 | 15:02 | 1 | Groundwater | | AY02684 |
| MW-10 | 01/31/2018 | 08:52 | 1 | Groundwater | | AY02685 |
| MW-15 | 01/31/2018 | 10:15 | 1 | Groundwater | | AY02686 |
| MW-15 DUP | 01/31/2018 | 10:15 | 1 | Sample Duplicate | | AY02687 |
| MW-13S | 01/31/2018 | 11:32 | 1 | Groundwater | | AY02688 |
| MW-13D | 01/31/2018 | 12:25 | 1 | Groundwater | | AY02689 |
| FB-3 | 01/31/2018 | 12:50 | 1 | Field Blank | | AY02690 |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|--|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernco.com, c=US Date: 2018.01.31 16:38:15 -0600</small> | 01/31/2018 16:38 |
| | | |
| | | |

| | | |
|--------------|---|---|
| SmarTroll ID | <input type="text" value="6496-34170-1-1"/> | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | <input type="text" value="3901-20009-2-1"/> | Cooler Temp |
| | | <input type="text" value="NA"/> |
| | | Thermometer ID |
| | | <input type="text" value="NA"/> |
| | | pH Strip ID |
| | | <input type="text" value="5881-30150-10-4"/> |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-149136-1

TestAmerica Sample Delivery Group: Miller Ash Pond 1132

Client Project/Site: CCR Plant Miller

For:

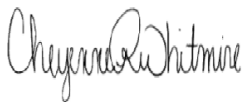
Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Sarah Copeland



Authorized for release by:

2/6/2018 4:23:33 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Detection Summary | 3 |
| Method Summary | 6 |
| Sample Summary | 7 |
| Client Sample Results | 8 |
| Definitions | 13 |
| Chronicle | 14 |
| QC Association | 19 |
| QC Sample Results | 20 |
| Chain of Custody | 22 |
| Receipt Checklists | 24 |
| Certification Summary | 25 |

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02642 MW-3D

Lab Sample ID: 400-149136-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.35 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02643 MW-3S

Lab Sample ID: 400-149136-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.31 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02644 MW-4

Lab Sample ID: 400-149136-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.28 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02645 MW-4 DUP

Lab Sample ID: 400-149136-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.28 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02646 FB-1

Lab Sample ID: 400-149136-5

No Detections.

Client Sample ID: AY02647 MW-7D

Lab Sample ID: 400-149136-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02648 MW-7S

Lab Sample ID: 400-149136-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.21 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02649 MW-8S

Lab Sample ID: 400-149136-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.55 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02650 MW-8D

Lab Sample ID: 400-149136-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.35 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02651 MW-9D

Lab Sample ID: 400-149136-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02652 MW-9D DUP

Lab Sample ID: 400-149136-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.080 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02653 MW-9S

Lab Sample ID: 400-149136-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.19 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02654 MW-12

Lab Sample ID: 400-149136-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.69 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02655 MW-10

Lab Sample ID: 400-149136-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.42 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02656 MW-15

Lab Sample ID: 400-149136-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02657 MW-15 DUP

Lab Sample ID: 400-149136-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02658 MW-13S

Lab Sample ID: 400-149136-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02659 MW-13D

Lab Sample ID: 400-149136-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02660 FB-3

Lab Sample ID: 400-149136-19

No Detections.

Client Sample ID: AY02661 MW-1

Lab Sample ID: 400-149136-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.15 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02662 MW-11

Lab Sample ID: 400-149136-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02663 MW-2

Lab Sample ID: 400-149136-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02664 MW-16

Lab Sample ID: 400-149136-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02665 FB-2

Lab Sample ID: 400-149136-24

No Detections.

Client Sample ID: AY02666 MW-14

Lab Sample ID: 400-149136-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.17 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02667 PZ-5

Lab Sample ID: 400-149136-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 1.0 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02668 MW-5

Lab Sample ID: 400-149136-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.35 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02669 MW-6

Lab Sample ID: 400-149136-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

Client Sample ID: AY02670 EB-1

Lab Sample ID: 400-149136-29

No Detections.

Client Sample ID: AY02671 PZ-5 DISS

Lab Sample ID: 400-149136-30

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Fluoride, Dissolved | 1.0 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

| Method | Method Description | Protocol | Laboratory |
|-------------|--------------------|----------|------------|
| SM 4500 F C | Fluoride | SM | TAL PEN |

Protocol References:

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 400-149136-1 | AY02642 MW-3D | Water | 01/29/18 11:02 | 02/02/18 16:00 |
| 400-149136-2 | AY02643 MW-3S | Water | 01/29/18 12:09 | 02/02/18 16:00 |
| 400-149136-3 | AY02644 MW-4 | Water | 01/29/18 13:45 | 02/02/18 16:00 |
| 400-149136-4 | AY02645 MW-4 DUP | Water | 01/29/18 13:45 | 02/02/18 16:00 |
| 400-149136-5 | AY02646 FB-1 | Water | 01/29/18 14:40 | 02/02/18 16:00 |
| 400-149136-6 | AY02647 MW-7D | Water | 01/29/18 14:57 | 02/02/18 16:00 |
| 400-149136-7 | AY02648 MW-7S | Water | 01/30/18 09:00 | 02/02/18 16:00 |
| 400-149136-8 | AY02649 MW-8S | Water | 01/30/18 10:04 | 02/02/18 16:00 |
| 400-149136-9 | AY02650 MW-8D | Water | 01/30/18 11:00 | 02/02/18 16:00 |
| 400-149136-10 | AY02651 MW-9D | Water | 01/30/18 12:02 | 02/02/18 16:00 |
| 400-149136-11 | AY02652 MW-9D DUP | Water | 01/30/18 12:02 | 02/02/18 16:00 |
| 400-149136-12 | AY02653 MW-9S | Water | 01/30/18 13:42 | 02/02/18 16:00 |
| 400-149136-13 | AY02654 MW-12 | Water | 01/30/18 15:02 | 02/02/18 16:00 |
| 400-149136-14 | AY02655 MW-10 | Water | 01/31/18 08:52 | 02/02/18 16:00 |
| 400-149136-15 | AY02656 MW-15 | Water | 01/31/18 10:15 | 02/02/18 16:00 |
| 400-149136-16 | AY02657 MW-15 DUP | Water | 01/31/18 10:15 | 02/02/18 16:00 |
| 400-149136-17 | AY02658 MW-13S | Water | 01/31/18 11:32 | 02/02/18 16:00 |
| 400-149136-18 | AY02659 MW-13D | Water | 01/31/18 12:25 | 02/02/18 16:00 |
| 400-149136-19 | AY02660 FB-3 | Water | 01/31/18 12:50 | 02/02/18 16:00 |
| 400-149136-20 | AY02661 MW-1 | Water | 01/29/18 15:15 | 02/02/18 16:00 |
| 400-149136-21 | AY02662 MW-11 | Water | 01/30/18 12:20 | 02/02/18 16:00 |
| 400-149136-22 | AY02663 MW-2 | Water | 01/30/18 14:16 | 02/02/18 16:00 |
| 400-149136-23 | AY02664 MW-16 | Water | 01/30/18 15:29 | 02/02/18 16:00 |
| 400-149136-24 | AY02665 FB-2 | Water | 01/30/18 15:18 | 02/02/18 16:00 |
| 400-149136-25 | AY02666 MW-14 | Water | 01/30/18 16:23 | 02/02/18 16:00 |
| 400-149136-26 | AY02667 PZ-5 | Water | 01/31/18 11:00 | 02/02/18 16:00 |
| 400-149136-27 | AY02668 MW-5 | Water | 01/31/18 12:20 | 02/02/18 16:00 |
| 400-149136-28 | AY02669 MW-6 | Water | 01/31/18 12:56 | 02/02/18 16:00 |
| 400-149136-29 | AY02670 EB-1 | Water | 01/31/18 13:00 | 02/02/18 16:00 |
| 400-149136-30 | AY02671 PZ-5 DISS | Water | 01/31/18 11:00 | 02/02/18 16:00 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02642 MW-3D

Lab Sample ID: 400-149136-1

Date Collected: 01/29/18 11:02

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.35 | | 0.10 | 0.032 | mg/L | | | 02/06/18 08:50 | 1 |

Client Sample ID: AY02643 MW-3S

Lab Sample ID: 400-149136-2

Date Collected: 01/29/18 12:09

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.31 | | 0.10 | 0.032 | mg/L | | | 02/06/18 08:53 | 1 |

Client Sample ID: AY02644 MW-4

Lab Sample ID: 400-149136-3

Date Collected: 01/29/18 13:45

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.28 | | 0.10 | 0.032 | mg/L | | | 02/06/18 08:56 | 1 |

Client Sample ID: AY02645 MW-4 DUP

Lab Sample ID: 400-149136-4

Date Collected: 01/29/18 13:45

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.28 | | 0.10 | 0.032 | mg/L | | | 02/06/18 09:00 | 1 |

Client Sample ID: AY02646 FB-1

Lab Sample ID: 400-149136-5

Date Collected: 01/29/18 14:40

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 09:04 | 1 |

Client Sample ID: AY02647 MW-7D

Lab Sample ID: 400-149136-6

Date Collected: 01/29/18 14:57

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 02/06/18 09:06 | 1 |

Client Sample ID: AY02648 MW-7S

Lab Sample ID: 400-149136-7

Date Collected: 01/30/18 09:00

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.21 | | 0.10 | 0.032 | mg/L | | | 02/06/18 09:09 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02649 MW-8S

Date Collected: 01/30/18 10:04

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-8

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.55 | | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:27 | 1 |

Client Sample ID: AY02650 MW-8D

Date Collected: 01/30/18 11:00

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-9

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.35 | | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:43 | 1 |

Client Sample ID: AY02651 MW-9D

Date Collected: 01/30/18 12:02

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-10

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:19 | 1 |

Client Sample ID: AY02652 MW-9D DUP

Date Collected: 01/30/18 12:02

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-11

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.080 | J | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:30 | 1 |

Client Sample ID: AY02653 MW-9S

Date Collected: 01/30/18 13:42

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-12

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.19 | | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:33 | 1 |

Client Sample ID: AY02654 MW-12

Date Collected: 01/30/18 15:02

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-13

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.69 | | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:35 | 1 |

Client Sample ID: AY02655 MW-10

Date Collected: 01/31/18 08:52

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-14

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.42 | | 0.10 | 0.032 | mg/L | - | | 02/06/18 09:37 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02656 MW-15

Lab Sample ID: 400-149136-15

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 02/06/18 09:41 | 1 |

Client Sample ID: AY02657 MW-15 DUP

Lab Sample ID: 400-149136-16

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:45 | 1 |

Client Sample ID: AY02658 MW-13S

Lab Sample ID: 400-149136-17

Date Collected: 01/31/18 11:32

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | | | 02/06/18 11:49 | 1 |

Client Sample ID: AY02659 MW-13D

Lab Sample ID: 400-149136-18

Date Collected: 01/31/18 12:25

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:51 | 1 |

Client Sample ID: AY02660 FB-3

Lab Sample ID: 400-149136-19

Date Collected: 01/31/18 12:50

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:55 | 1 |

Client Sample ID: AY02661 MW-1

Lab Sample ID: 400-149136-20

Date Collected: 01/29/18 15:15

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.15 | | 0.10 | 0.032 | mg/L | | | 02/06/18 08:38 | 1 |

Client Sample ID: AY02662 MW-11

Lab Sample ID: 400-149136-21

Date Collected: 01/30/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:58 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02663 MW-2

Lab Sample ID: 400-149136-22

Date Collected: 01/30/18 14:16

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:00 | 1 |

Client Sample ID: AY02664 MW-16

Lab Sample ID: 400-149136-23

Date Collected: 01/30/18 15:29

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:02 | 1 |

Client Sample ID: AY02665 FB-2

Lab Sample ID: 400-149136-24

Date Collected: 01/30/18 15:18

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:21 | 1 |

Client Sample ID: AY02666 MW-14

Lab Sample ID: 400-149136-25

Date Collected: 01/30/18 16:23

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.17 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:24 | 1 |

Client Sample ID: AY02667 PZ-5

Lab Sample ID: 400-149136-26

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 1.0 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:26 | 1 |

Client Sample ID: AY02668 MW-5

Lab Sample ID: 400-149136-27

Date Collected: 01/31/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.35 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:28 | 1 |

Client Sample ID: AY02669 MW-6

Lab Sample ID: 400-149136-28

Date Collected: 01/31/18 12:56

Matrix: Water

Date Received: 02/02/18 16:00

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:31 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02670 EB-1
Date Collected: 01/31/18 13:00
Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-29
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:36 | 1 |

Client Sample ID: AY02671 PZ-5 DISS
Date Collected: 01/31/18 11:00
Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-30
Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride, Dissolved | 1.0 | | 0.10 | 0.032 | mg/L | | | 02/06/18 12:11 | 1 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Qualifiers

General Chemistry

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

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02642 MW-3D

Date Collected: 01/29/18 11:02

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 08:50 | BAB | TAL PEN |

Client Sample ID: AY02643 MW-3S

Date Collected: 01/29/18 12:09

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 08:53 | BAB | TAL PEN |

Client Sample ID: AY02644 MW-4

Date Collected: 01/29/18 13:45

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 08:56 | BAB | TAL PEN |

Client Sample ID: AY02645 MW-4 DUP

Date Collected: 01/29/18 13:45

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:00 | BAB | TAL PEN |

Client Sample ID: AY02646 FB-1

Date Collected: 01/29/18 14:40

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:04 | BAB | TAL PEN |

Client Sample ID: AY02647 MW-7D

Date Collected: 01/29/18 14:57

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:06 | BAB | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02648 MW-7S

Date Collected: 01/30/18 09:00

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-7

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:09 | BAB | TAL PEN |

Client Sample ID: AY02649 MW-8S

Date Collected: 01/30/18 10:04

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-8

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:27 | BAB | TAL PEN |

Client Sample ID: AY02650 MW-8D

Date Collected: 01/30/18 11:00

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-9

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:43 | BAB | TAL PEN |

Client Sample ID: AY02651 MW-9D

Date Collected: 01/30/18 12:02

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-10

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:19 | BAB | TAL PEN |

Client Sample ID: AY02652 MW-9D DUP

Date Collected: 01/30/18 12:02

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-11

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:30 | BAB | TAL PEN |

Client Sample ID: AY02653 MW-9S

Date Collected: 01/30/18 13:42

Date Received: 02/02/18 16:00

Lab Sample ID: 400-149136-12

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:33 | BAB | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02654 MW-12

Lab Sample ID: 400-149136-13

Date Collected: 01/30/18 15:02

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:35 | BAB | TAL PEN |

Client Sample ID: AY02655 MW-10

Lab Sample ID: 400-149136-14

Date Collected: 01/31/18 08:52

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:37 | BAB | TAL PEN |

Client Sample ID: AY02656 MW-15

Lab Sample ID: 400-149136-15

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 09:41 | BAB | TAL PEN |

Client Sample ID: AY02657 MW-15 DUP

Lab Sample ID: 400-149136-16

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 11:45 | BAB | TAL PEN |

Client Sample ID: AY02658 MW-13S

Lab Sample ID: 400-149136-17

Date Collected: 01/31/18 11:32

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 11:49 | BAB | TAL PEN |

Client Sample ID: AY02659 MW-13D

Lab Sample ID: 400-149136-18

Date Collected: 01/31/18 12:25

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 11:51 | BAB | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02660 FB-3

Lab Sample ID: 400-149136-19

Date Collected: 01/31/18 12:50

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 11:55 | BAB | TAL PEN |

Client Sample ID: AY02661 MW-1

Lab Sample ID: 400-149136-20

Date Collected: 01/29/18 15:15

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385449 | 02/06/18 08:38 | BAB | TAL PEN |

Client Sample ID: AY02662 MW-11

Lab Sample ID: 400-149136-21

Date Collected: 01/30/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 11:58 | BAB | TAL PEN |

Client Sample ID: AY02663 MW-2

Lab Sample ID: 400-149136-22

Date Collected: 01/30/18 14:16

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:00 | BAB | TAL PEN |

Client Sample ID: AY02664 MW-16

Lab Sample ID: 400-149136-23

Date Collected: 01/30/18 15:29

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:02 | BAB | TAL PEN |

Client Sample ID: AY02665 FB-2

Lab Sample ID: 400-149136-24

Date Collected: 01/30/18 15:18

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:21 | BAB | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02666 MW-14

Lab Sample ID: 400-149136-25

Date Collected: 01/30/18 16:23

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:24 | BAB | TAL PEN |

Client Sample ID: AY02667 PZ-5

Lab Sample ID: 400-149136-26

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:26 | BAB | TAL PEN |

Client Sample ID: AY02668 MW-5

Lab Sample ID: 400-149136-27

Date Collected: 01/31/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:28 | BAB | TAL PEN |

Client Sample ID: AY02669 MW-6

Lab Sample ID: 400-149136-28

Date Collected: 01/31/18 12:56

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:31 | BAB | TAL PEN |

Client Sample ID: AY02670 EB-1

Lab Sample ID: 400-149136-29

Date Collected: 01/31/18 13:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 11:36 | BAB | TAL PEN |

Client Sample ID: AY02671 PZ-5 DISS

Lab Sample ID: 400-149136-30

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 F C | | 1 | 385450 | 02/06/18 12:11 | BAB | TAL PEN |

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
 SDG: Miller Ash Pond 1132

General Chemistry

Analysis Batch: 385449

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|-------------|------------|
| 400-149136-1 | AY02642 MW-3D | Total/NA | Water | SM 4500 F C | |
| 400-149136-2 | AY02643 MW-3S | Total/NA | Water | SM 4500 F C | |
| 400-149136-3 | AY02644 MW-4 | Total/NA | Water | SM 4500 F C | |
| 400-149136-4 | AY02645 MW-4 DUP | Total/NA | Water | SM 4500 F C | |
| 400-149136-5 | AY02646 FB-1 | Total/NA | Water | SM 4500 F C | |
| 400-149136-6 | AY02647 MW-7D | Total/NA | Water | SM 4500 F C | |
| 400-149136-7 | AY02648 MW-7S | Total/NA | Water | SM 4500 F C | |
| 400-149136-8 | AY02649 MW-8S | Total/NA | Water | SM 4500 F C | |
| 400-149136-9 | AY02650 MW-8D | Total/NA | Water | SM 4500 F C | |
| 400-149136-10 | AY02651 MW-9D | Total/NA | Water | SM 4500 F C | |
| 400-149136-11 | AY02652 MW-9D DUP | Total/NA | Water | SM 4500 F C | |
| 400-149136-12 | AY02653 MW-9S | Total/NA | Water | SM 4500 F C | |
| 400-149136-13 | AY02654 MW-12 | Total/NA | Water | SM 4500 F C | |
| 400-149136-14 | AY02655 MW-10 | Total/NA | Water | SM 4500 F C | |
| 400-149136-15 | AY02656 MW-15 | Total/NA | Water | SM 4500 F C | |
| 400-149136-20 | AY02661 MW-1 | Total/NA | Water | SM 4500 F C | |
| MB 400-385449/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 400-385449/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 400-149136-10 MS | AY02651 MW-9D | Total/NA | Water | SM 4500 F C | |
| 400-149136-10 MSD | AY02651 MW-9D | Total/NA | Water | SM 4500 F C | |
| 400-149136-20 MS | AY02661 MW-1 | Total/NA | Water | SM 4500 F C | |
| 400-149136-20 MSD | AY02661 MW-1 | Total/NA | Water | SM 4500 F C | |

Analysis Batch: 385450

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|-------------|------------|
| 400-149136-16 | AY02657 MW-15 DUP | Total/NA | Water | SM 4500 F C | |
| 400-149136-17 | AY02658 MW-13S | Total/NA | Water | SM 4500 F C | |
| 400-149136-18 | AY02659 MW-13D | Total/NA | Water | SM 4500 F C | |
| 400-149136-19 | AY02660 FB-3 | Total/NA | Water | SM 4500 F C | |
| 400-149136-21 | AY02662 MW-11 | Total/NA | Water | SM 4500 F C | |
| 400-149136-22 | AY02663 MW-2 | Total/NA | Water | SM 4500 F C | |
| 400-149136-23 | AY02664 MW-16 | Total/NA | Water | SM 4500 F C | |
| 400-149136-24 | AY02665 FB-2 | Total/NA | Water | SM 4500 F C | |
| 400-149136-25 | AY02666 MW-14 | Total/NA | Water | SM 4500 F C | |
| 400-149136-26 | AY02667 PZ-5 | Total/NA | Water | SM 4500 F C | |
| 400-149136-27 | AY02668 MW-5 | Total/NA | Water | SM 4500 F C | |
| 400-149136-28 | AY02669 MW-6 | Total/NA | Water | SM 4500 F C | |
| 400-149136-29 | AY02670 EB-1 | Total/NA | Water | SM 4500 F C | |
| 400-149136-30 | AY02671 PZ-5 DISS | Total/NA | Water | SM 4500 F C | |
| MB 400-385450/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 400-385450/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 400-149136-29 MS | AY02670 EB-1 | Total/NA | Water | SM 4500 F C | |
| 400-149136-29 MSD | AY02670 EB-1 | Total/NA | Water | SM 4500 F C | |
| 400-149136-30 MS | AY02671 PZ-5 DISS | Total/NA | Water | SM 4500 F C | |
| 400-149136-30 MSD | AY02671 PZ-5 DISS | Total/NA | Water | SM 4500 F C | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
 SDG: Miller Ash Pond 1132

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-385449/3
Matrix: Water
Analysis Batch: 385449

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 08:22 | 1 |

Lab Sample ID: LCS 400-385449/4
Matrix: Water
Analysis Batch: 385449

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Fluoride | 4.00 | 3.94 | | mg/L | | 99 | 90 - 110 |

Lab Sample ID: 400-149136-10 MS
Matrix: Water
Analysis Batch: 385449

Client Sample ID: AY02651 MW-9D
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.090 | J | 1.00 | 1.12 | | mg/L | | 103 | 75 - 125 |

Lab Sample ID: 400-149136-10 MSD
Matrix: Water
Analysis Batch: 385449

Client Sample ID: AY02651 MW-9D
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.090 | J | 1.00 | 1.10 | | mg/L | | 101 | 75 - 125 | 2 | 4 |

Lab Sample ID: 400-149136-20 MS
Matrix: Water
Analysis Batch: 385449

Client Sample ID: AY02661 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.15 | | 1.00 | 1.19 | | mg/L | | 104 | 75 - 125 |

Lab Sample ID: 400-149136-20 MSD
Matrix: Water
Analysis Batch: 385449

Client Sample ID: AY02661 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.15 | | 1.00 | 1.17 | | mg/L | | 102 | 75 - 125 | 2 | 4 |

Lab Sample ID: MB 400-385450/3
Matrix: Water
Analysis Batch: 385450

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:23 | 1 |
| Fluoride, Dissolved | <0.032 | | 0.10 | 0.032 | mg/L | | | 02/06/18 11:23 | 1 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
 SDG: Miller Ash Pond 1132

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 400-385450/4
Matrix: Water
Analysis Batch: 385450

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| Fluoride | 4.00 | 3.87 | | mg/L | | 97 | 90 - 110 |
| Fluoride, Dissolved | 4.00 | 3.87 | | mg/L | | 97 | 90 - 110 |

Lab Sample ID: 400-149136-29 MS
Matrix: Water
Analysis Batch: 385450

Client Sample ID: AY02670 EB-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | EB Result | EB Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | <0.032 | | 1.00 | 1.02 | | mg/L | | 102 | 75 - 125 |

Lab Sample ID: 400-149136-29 MSD
Matrix: Water
Analysis Batch: 385450

Client Sample ID: AY02670 EB-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | EB Result | EB Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|-----|-----------|
| Fluoride | <0.032 | | 1.00 | 1.02 | | mg/L | | 102 | 75 - 125 | 0 | 4 |

Lab Sample ID: 400-149136-30 MS
Matrix: Water
Analysis Batch: 385450

Client Sample ID: AY02671 PZ-5 DISS
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride, Dissolved | 1.0 | | 1.00 | 2.04 | | mg/L | | 100 | 75 - 125 |

Lab Sample ID: 400-149136-30 MSD
Matrix: Water
Analysis Batch: 385450

Client Sample ID: AY02671 PZ-5 DISS
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride, Dissolved | 1.0 | | 1.00 | 2.08 | | mg/L | | 104 | 75 - 125 | 2 | 4 |

TestAmerica Pensacola
 3355 McLemore Drive
 Pensacola, FL 32514
 Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record



Client Information
 Client Contact: Sarah Copeland
 Company: Alabama Power General Test Laboratory
 Address: 744 County Rd 87 GSC #8
 City: Calera
 State, Zip: AL, 35040
 Phone: 205-664-6121(Tel)
 Email: sgcopele@southernco.com
 Project Name: CCR
 Site: Miller Ash Pond 1132

Sampler: Ben Rothschild
 Phone: _____
 Lab P/N: Whitmire, Cheyenne R
 E-Mail: cheyenne.whitmire@testamericainc.com

Carrier Tracking No(s): 400-56525-24537.1
 Page: Page 1 of 2
 Job #: 400-149136

Analysis Requested

Due Date Requested: _____
 TAT Requested (days): Routine
 PO #: _____
 WO #: _____
 Project #: 40007143
 SSOV#: _____

Field Filtered Sample (Yes or No) N
 Perform MS/MSD (Yes or No) N
 SM 4500 F_C
 SM 4500 Cl_E
 SM 4500 SO4_E

Analysis Requested

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Other: _____

M - Hexane
 N - None
 O - AsNaO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2S2O3
 S - H2SO4
 T - 13P Dodecahydrate
 U - Acetone
 V - MCAA
 W - ph 4-5
 X - other (specify)

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (w/water, S=solid, O=seawater, BT=tissue, AA=air) | Preservation Code: | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SM 4500 F_C | SM 4500 Cl_E | SM 4500 SO4_E | Total Number of containers | Special Instructions/Note: |
|-----------------------|-------------|-------------|------------------------------|--|--------------------|-------------------------------------|-------------------------------------|-------------|--------------|---------------|----------------------------|------------------------------|
| AY02642 | 1/29/18 | 1102 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-3D |
| AY02643 | 1/29/18 | 1209 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-3S |
| AY02644 | 1/29/18 | 1345 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-4 |
| AY02645 | 1/29/18 | 1345 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-4 Dup (Sample Duplicate) |
| AY02646 | 1/29/18 | 1440 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | FB-1 |
| AY02647 | 1/29/18 | 1457 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-7D |
| AY02648 | 1/30/18 | 0900 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-7S |
| AY02649 | 1/30/18 | 1004 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-8S |
| AY02650 | 1/30/18 | 1100 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-8D |
| AY02651 | 1/30/18 | 1202 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-9D |
| AY02652 | 1/30/18 | 1202 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-9D Dup (Sample Duplicate) |
| AY02653 | 1/30/18 | 1342 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-9S |
| AY02654 | 1/30/18 | 1502 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-12 |
| AY02655 | 1/31/18 | 0852 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-10 |
| AY02656 | 1/31/18 | 1015 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 1 | MW-15 |

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Method of Shipment: _____
 Date/Time: _____
 Received by: _____ Company: _____
 Date/Time: 2/2/18 1600 Company: _____
 Received by: _____ Company: _____
 Date/Time: _____ Company: _____
 Received by: _____ Company: _____
 Date/Time: _____ Company: _____

Empty Kit Relinquished by: _____
 Relinquished by: Sarah Copeland
 Relinquished by: _____
 Relinquished by: _____

Custody Seals Intact: _____
 Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks: _____



Chain of Custody Record

| | | | | | | | | | | | | |
|--|---------|--|-------------|--|--|---|-------------------------|------------------------|-------------------------|--------------------------|----------------------------|------------------------------|
| Client Information | | Company: Alabama Power General Test Laboratory | | Lab PM: Whitmire, Cheyenne R | | Carrier Tracking No(s): 400-56525-24537.1 | | | | | | |
| Client Contact: Sarah Copeland | | Address: 744 County Rd 87 GSC #8 | | E-Mail: cheyenne.whitmire@testamericainc.com | | COC No: 400-56525-24537.1 | | | | | | |
| City: Calera | | State, Zip: AL, 35040 | | Phone: 205-664-6121(Tel) | | Page: Page 2 of 2 | | | | | | |
| Email: sgcopela@southernco.com | | Project #: 40007143 | | Due Date Requested: | | Job #: 400-149136 | | | | | | |
| CCR | | Site: Miller Ash Pond 1132 | | TAT Requested (days): Routine | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | | | | | | |
| Sample Identification | | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (w=water, s=solid, o=oil, BT=BIOS, AA=AI) | Field Filtered Sample (Yes or No) | Form MS/MSD (Yes or No) | SM 4500 F _C | SM 4500 Cl _F | SM 4500 SO4 _F | Total Number of Containers | Special Instructions/Note: |
| AY02657 | 1/31/18 | 1015 | G | Water | | X | | | | | 1 | MW-15 Dup (Sample Duplicate) |
| AY02658 | 1/31/18 | 1132 | G | Water | | X | | | | | 1 | MW-13S |
| AY02659 | 1/31/18 | 1225 | G | Water | | X | | | | | 1 | MW-13D |
| AY02660 | 1/31/18 | 1250 | G | Water | | X | | | | | 1 | FB-3 (Field Blank) |
| AY02661 | 1/29/18 | 1515 | G | Water | | Y | X | | | | 1 | MW-1 |
| AY02662 | 1/30/18 | 1220 | G | Water | | X | | | | | 1 | MW-11 |
| AY02663 | 1/30/18 | 1416 | G | Water | | X | | | | | 1 | MW-2 |
| AY02664 | 1/30/18 | 1529 | G | Water | | X | | | | | 1 | MW-16 |
| AY02665 | 1/30/18 | 1518 | G | Water | | X | | | | | 1 | FB-2 (Field Blank) |
| AY02666 | 1/30/18 | 1623 | G | Water | | X | | | | | 1 | MW-14 |
| AY02667 | 1/31/18 | 1100 | G | Water | | X | | | | | 1 | PZ-5 |
| AY02668 | 1/31/18 | 1220 | G | Water | | X | | | | | 1 | MW-5 |
| AY02669 | 1/31/18 | 1256 | G | Water | | X | | | | | 1 | MW-6 |
| AY02670 | 1/31/18 | 1300 | G | Water | | Y | X | | | | 1 | EB-1 (Equipment Blank) |
| AY02671 | 1/31/18 | 1100 | G | Water | | Y | X | | | | 1 | PZ-5 Diss (Dissolved Sample) |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | | | | | | | |
| Empty Kit Relinquished by: _____ Date: _____ Relinquished by: Sarah Copeland Date/Time: 2/5/2018: 1350 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Δ <input type="checkbox"/> Δ <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: | | | | | | | | | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: | | | | | | | | | | | | |
| Method of Shipment: _____ Received by: _____ Date/Time: 2/2/18 1600 Received by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Company: APC Company: _____ Company: _____ | | | | | | | | | | | | |



Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-149136-1
SDG Number: Miller Ash Pond 1132

Login Number: 149136

List Number: 1

Creator: Siddoway, Benjamin

List Source: TestAmerica Pensacola

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



Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149136-1
 SDG: Miller Ash Pond 1132

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-18 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-18 |
| California | ELAP | 9 | 2510 | 03-31-18 |
| Florida | NELAP | 4 | E81010 | 06-30-18 |
| Georgia | State Program | 4 | N/A | 06-30-18 |
| Illinois | NELAP | 5 | 200041 | 10-09-18 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-18 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| L-A-B | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Louisiana | NELAP | 6 | 30976 | 06-30-18 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-18 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-18 |
| Michigan | State Program | 5 | 9912 | 06-30-18 |
| New Jersey | NELAP | 2 | FL006 | 06-30-18 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-17 * |
| South Carolina | State Program | 4 | 96026 | 06-30-18 |
| Tennessee | State Program | 4 | TN02907 | 06-30-18 |
| Texas | NELAP | 6 | T104704286-17-12 | 09-30-18 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-18 |
| Washington | State Program | 10 | C915 | 05-15-18 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-18 |

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-149133-1

TestAmerica Sample Delivery Group: Miller Ash Pond 1132

Client Project/Site: CCR Plant Miller

For:

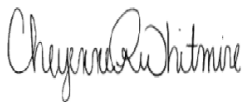
Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Sarah Copeland



Authorized for release by:

3/5/2018 5:13:00 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Case Narrative | 3 |
| Method Summary | 4 |
| Sample Summary | 5 |
| Client Sample Results | 6 |
| Definitions | 36 |
| Chronicle | 37 |
| QC Association | 45 |
| QC Sample Results | 47 |
| Chain of Custody | 51 |
| Receipt Checklists | 53 |
| Certification Summary | 55 |

Case Narrative

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Job ID: 400-149133-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-149133-1

RAD

Method(s) PrecSep_0: Radium 228 Prep Batch 160-350283. Samples smell of sulfur: AY02673 MW-3S (400-149133-2) and AY02691 MW-1 (400-149133-20).

Method(s) PrecSep_0: Radium 228 Prep Batch 160-350283. Sample aliquots reduced due to limited sample volume. AY02672 MW-3D (400-149133-1), AY02673 MW-3S (400-149133-2), AY02674 MW-4 (400-149133-3), AY02675 MW-4 DUP (400-149133-4), AY02676 FB-1 (400-149133-5), AY02677 MW-7D (400-149133-6), AY02678 MW-7S (400-149133-7), AY02679 MW-8S (400-149133-8), AY02679 MW-8S (400-149133-8[DUJ]), AY02680 MW-8D (400-149133-9), AY02681 MW-9D (400-149133-10), AY02682 MW-9D DUP (400-149133-11), AY02683 MW-9S (400-149133-12), AY02684 MW-12 (400-149133-13), AY02685 MW-10 (400-149133-14), AY02686 MW-15 (400-149133-15), AY02687 MW-15 DUP (400-149133-16), AY02688 MW-13S (400-149133-17), AY02689 MW-13D (400-149133-18), AY02690 FB-3 (400-149133-19) and AY02691 MW-1 (400-149133-20)

Method(s) PrecSep_0: Radium 228 Prep Batch 160-350287. Samples smell of sulfur: AY02697 PZ-5 (400-149133-26) and AY02701 PZ-5 DISS (400-149133-30).

Method(s) PrecSep_0: Radium 228 Prep Batch 160-350287. Sample aliquots reduced due to limited sample volume. AY02692 MW-11 (400-149133-21), AY02693 MW-2 (400-149133-22), AY02694 MW-16 (400-149133-23), AY02694 MW-16 (400-149133-23[DUJ]), AY02695 FB-2 (400-149133-24), AY02696 MW-14 (400-149133-25), AY02697 PZ-5 (400-149133-26), AY02698 MW-5 (400-149133-27), AY02699 MW-6 (400-149133-28), AY02700 EB-1 (400-149133-29) and AY02701 PZ-5 DISS (400-149133-30)

Method(s) PrecSep_0: Radium 228 Prep Batch 160-350287. Sample has a slight yellow tint: AY02693 MW-2 (400-149133-22).

Method(s) PrecSep-21: Radium 226 Prep Batch 160-350270. Sample aliquots reduced due to limited sample volume. AY02672 MW-3D (400-149133-1), AY02673 MW-3S (400-149133-2), AY02674 MW-4 (400-149133-3), AY02675 MW-4 DUP (400-149133-4), AY02676 FB-1 (400-149133-5), AY02677 MW-7D (400-149133-6), AY02678 MW-7S (400-149133-7), AY02679 MW-8S (400-149133-8), AY02679 MW-8S (400-149133-8[DUJ]), AY02680 MW-8D (400-149133-9), AY02681 MW-9D (400-149133-10), AY02682 MW-9D DUP (400-149133-11), AY02683 MW-9S (400-149133-12), AY02684 MW-12 (400-149133-13), AY02685 MW-10 (400-149133-14), AY02686 MW-15 (400-149133-15), AY02687 MW-15 DUP (400-149133-16), AY02688 MW-13S (400-149133-17), AY02689 MW-13D (400-149133-18), AY02690 FB-3 (400-149133-19) and AY02691 MW-1 (400-149133-20)

Method(s) PrecSep-21: Radium 226 Prep Batch 160-345270. Samples smell of sulfur: AY02673 MW-3S (400-149133-2) and AY02691 MW-1 (400-149133-20).

Method(s) PrecSep-21: Radium 226 Prep Batch 160-350285. Sample aliquots reduced due to limited sample volume. AY02692 MW-11 (400-149133-21), AY02693 MW-2 (400-149133-22), AY02694 MW-16 (400-149133-23), AY02694 MW-16 (400-149133-23[DUJ]), AY02695 FB-2 (400-149133-24), AY02696 MW-14 (400-149133-25), AY02697 PZ-5 (400-149133-26), AY02698 MW-5 (400-149133-27), AY02699 MW-6 (400-149133-28), AY02700 EB-1 (400-149133-29) and AY02701 PZ-5 DISS (400-149133-30)

Method(s) PrecSep-21: Radium 226 Prep Batch 160-350285. Samples smell of sulfur: AY02697 PZ-5 (400-149133-26) and AY02701 PZ-5 DISS (400-149133-30).

Method(s) PrecSep-21: Radium 226 Prep Batch 160-350285. Sample has a slight yellow tint: AY02693 MW-2 (400-149133-22).

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

| Method | Method Description | Protocol | Laboratory |
|-----------------|------------------------------------|----------|------------|
| 9315 | Radium-226 (GFPC) | SW846 | TAL SL |
| 9320 | Radium-228 (GFPC) | SW846 | TAL SL |
| Ra226_Ra228 | Combined Radium-226 and Radium-228 | TAL-STL | TAL SL |
| Ra226_Ra228 (D) | Combined Radium-226 and Radium-228 | TAL-STL | TAL SL |

Protocol References:

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 400-149133-1 | AY02672 MW-3D | Water | 01/29/18 11:02 | 02/02/18 16:00 |
| 400-149133-2 | AY02673 MW-3S | Water | 01/29/18 12:09 | 02/02/18 16:00 |
| 400-149133-3 | AY02674 MW-4 | Water | 01/29/18 13:45 | 02/02/18 16:00 |
| 400-149133-4 | AY02675 MW-4 DUP | Water | 01/29/18 13:45 | 02/02/18 16:00 |
| 400-149133-5 | AY02676 FB-1 | Water | 01/29/18 14:40 | 02/02/18 16:00 |
| 400-149133-6 | AY02677 MW-7D | Water | 01/29/18 14:57 | 02/02/18 16:00 |
| 400-149133-7 | AY02678 MW-7S | Water | 01/30/18 09:00 | 02/02/18 16:00 |
| 400-149133-8 | AY02679 MW-8S | Water | 01/30/18 10:04 | 02/02/18 16:00 |
| 400-149133-9 | AY02680 MW-8D | Water | 01/30/18 11:00 | 02/02/18 16:00 |
| 400-149133-10 | AY02681 MW-9D | Water | 01/30/18 12:02 | 02/02/18 16:00 |
| 400-149133-11 | AY02682 MW-9D DUP | Water | 01/30/18 12:02 | 02/02/18 16:00 |
| 400-149133-12 | AY02683 MW-9S | Water | 01/30/18 13:42 | 02/02/18 16:00 |
| 400-149133-13 | AY02684 MW-12 | Water | 01/30/18 15:02 | 02/02/18 16:00 |
| 400-149133-14 | AY02685 MW-10 | Water | 01/31/18 08:52 | 02/02/18 16:00 |
| 400-149133-15 | AY02686 MW-15 | Water | 01/31/18 10:15 | 02/02/18 16:00 |
| 400-149133-16 | AY02687 MW-15 DUP | Water | 01/31/18 10:15 | 02/02/18 16:00 |
| 400-149133-17 | AY02688 MW-13S | Water | 01/31/18 11:32 | 02/02/18 16:00 |
| 400-149133-18 | AY02689 MW-13D | Water | 01/31/18 12:25 | 02/02/18 16:00 |
| 400-149133-19 | AY02690 FB-3 | Water | 01/31/18 12:50 | 02/02/18 16:00 |
| 400-149133-20 | AY02691 MW-1 | Water | 01/29/18 15:15 | 02/02/18 16:00 |
| 400-149133-21 | AY02692 MW-11 | Water | 01/30/18 12:20 | 02/02/18 16:00 |
| 400-149133-22 | AY02693 MW-2 | Water | 01/30/18 14:16 | 02/02/18 16:00 |
| 400-149133-23 | AY02694 MW-16 | Water | 01/30/18 15:29 | 02/02/18 16:00 |
| 400-149133-24 | AY02695 FB-2 | Water | 01/30/18 15:18 | 02/02/18 16:00 |
| 400-149133-25 | AY02696 MW-14 | Water | 01/30/18 16:23 | 02/02/18 16:00 |
| 400-149133-26 | AY02697 PZ-5 | Water | 01/31/18 11:00 | 02/02/18 16:00 |
| 400-149133-27 | AY02698 MW-5 | Water | 01/31/18 12:20 | 02/02/18 16:00 |
| 400-149133-28 | AY02699 MW-6 | Water | 01/31/18 12:56 | 02/02/18 16:00 |
| 400-149133-29 | AY02700 EB-1 | Water | 01/31/18 13:00 | 02/02/18 16:00 |
| 400-149133-30 | AY02701 PZ-5 DISS | Water | 01/31/18 11:00 | 02/02/18 16:00 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02672 MW-3D

Lab Sample ID: 400-149133-1

Date Collected: 01/29/18 11:02

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0842 | U | 0.0716 | 0.0720 | 1.00 | 0.104 | pCi/L | 02/08/18 11:13 | 03/02/18 10:02 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:02 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.550 | | 0.305 | 0.309 | 1.00 | 0.453 | pCi/L | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Y Carrier | 88.6 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.634 | | 0.313 | 0.317 | 5.00 | 0.453 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02673 MW-3S

Lab Sample ID: 400-149133-2

Date Collected: 01/29/18 12:09

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.127 | | 0.0765 | 0.0773 | 1.00 | 0.0919 | pCi/L | 02/08/18 11:13 | 03/02/18 10:02 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:02 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.500 | | 0.310 | 0.313 | 1.00 | 0.473 | pCi/L | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Y Carrier | 89.0 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.627 | | 0.319 | 0.322 | 5.00 | 0.473 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02674 MW-4

Lab Sample ID: 400-149133-3

Date Collected: 01/29/18 13:45

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.132 | | 0.0718 | 0.0728 | 1.00 | 0.0717 | pCi/L | 02/08/18 11:13 | 03/02/18 10:02 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:02 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.654 | | 0.332 | 0.337 | 1.00 | 0.491 | pCi/L | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Y Carrier | 89.3 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.786 | | 0.340 | 0.345 | 5.00 | 0.491 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02675 MW-4 DUP

Lab Sample ID: 400-149133-4

Date Collected: 01/29/18 13:45

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0454 | U | 0.0570 | 0.0571 | 1.00 | 0.0923 | pCi/L | 02/08/18 11:13 | 03/02/18 10:02 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.2 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:02 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.559 | | 0.343 | 0.346 | 1.00 | 0.523 | pCi/L | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.2 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Y Carrier | 82.6 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.604 | | 0.348 | 0.351 | 5.00 | 0.523 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02676 FB-1

Lab Sample ID: 400-149133-5

Date Collected: 01/29/18 14:40

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0142 | U | 0.0518 | 0.0518 | 1.00 | 0.101 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0466 | U | 0.250 | 0.250 | 1.00 | 0.441 | pCi/L | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0608 | U | 0.255 | 0.255 | 5.00 | 0.441 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02677 MW-7D

Lab Sample ID: 400-149133-6

Date Collected: 01/29/18 14:57

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0350 | U | 0.0557 | 0.0558 | 1.00 | 0.0972 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.183 | U | 0.308 | 0.308 | 1.00 | 0.520 | pCi/L | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Y Carrier | 86.4 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.218 | U | 0.313 | 0.313 | 5.00 | 0.520 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02678 MW-7S

Lab Sample ID: 400-149133-7

Date Collected: 01/30/18 09:00

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.166 | | 0.0844 | 0.0857 | 1.00 | 0.0902 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.9 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.364 | U | 0.328 | 0.329 | 1.00 | 0.527 | pCi/L | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.9 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Y Carrier | 87.1 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.530 | | 0.339 | 0.340 | 5.00 | 0.527 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02679 MW-8S

Lab Sample ID: 400-149133-8

Date Collected: 01/30/18 10:04

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | -0.00416 | U | 0.0429 | 0.0429 | 1.00 | 0.0982 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.293 | U | 0.322 | 0.323 | 1.00 | 0.528 | pCi/L | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.289 | U | 0.325 | 0.326 | 5.00 | 0.528 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02680 MW-8D

Lab Sample ID: 400-149133-9

Date Collected: 01/30/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0470 | U | 0.0586 | 0.0587 | 1.00 | 0.0961 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.278 | U | 0.310 | 0.311 | 1.00 | 0.509 | pCi/L | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Y Carrier | 94.2 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.325 | U | 0.315 | 0.316 | 5.00 | 0.509 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02681 MW-9D

Lab Sample ID: 400-149133-10

Date Collected: 01/30/18 12:02

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.129 | | 0.0828 | 0.0836 | 1.00 | 0.109 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0554 | U | 0.277 | 0.277 | 1.00 | 0.503 | pCi/L | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |
| Y Carrier | 91.2 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0739 | U | 0.289 | 0.289 | 5.00 | 0.503 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02682 MW-9D DUP

Lab Sample ID: 400-149133-11

Date Collected: 01/30/18 12:02

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.148 | | 0.0816 | 0.0826 | 1.00 | 0.0942 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.479 | U | 0.334 | 0.337 | 1.00 | 0.521 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 84.9 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.627 | | 0.344 | 0.347 | 5.00 | 0.521 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02683 MW-9S

Lab Sample ID: 400-149133-12

Date Collected: 01/30/18 13:42

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0238 | U | 0.0518 | 0.0519 | 1.00 | 0.0961 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.138 | U | 0.276 | 0.277 | 1.00 | 0.472 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.162 | U | 0.281 | 0.282 | 5.00 | 0.472 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02684 MW-12

Lab Sample ID: 400-149133-13

Date Collected: 01/30/18 15:02

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0746 | U | 0.0678 | 0.0681 | 1.00 | 0.101 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.1 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.291 | U | 0.357 | 0.358 | 1.00 | 0.590 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.1 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 81.1 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.366 | U | 0.363 | 0.364 | 5.00 | 0.590 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02685 MW-10

Lab Sample ID: 400-149133-14

Date Collected: 01/31/18 08:52

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.222 | | 0.0984 | 0.100 | 1.00 | 0.0998 | pCi/L | 02/08/18 11:13 | 03/02/18 10:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.598 | | 0.326 | 0.331 | 1.00 | 0.487 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.820 | | 0.341 | 0.346 | 5.00 | 0.487 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02686 MW-15

Lab Sample ID: 400-149133-15

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0568 | U | 0.0613 | 0.0615 | 1.00 | 0.0971 | pCi/L | 02/08/18 11:13 | 03/02/18 10:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:05 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.459 | | 0.283 | 0.286 | 1.00 | 0.430 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 94.6 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.516 | | 0.290 | 0.293 | 5.00 | 0.430 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02687 MW-15 DUP

Lab Sample ID: 400-149133-16

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0974 | | 0.0671 | 0.0677 | 1.00 | 0.0864 | pCi/L | 02/08/18 11:13 | 03/02/18 10:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 100 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:05 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.224 | U | 0.346 | 0.347 | 1.00 | 0.580 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 100 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 84.9 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.321 | U | 0.352 | 0.354 | 5.00 | 0.580 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02688 MW-13S

Lab Sample ID: 400-149133-17

Date Collected: 01/31/18 11:32

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0892 | U | 0.0762 | 0.0767 | 1.00 | 0.114 | pCi/L | 02/08/18 11:13 | 03/02/18 10:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:05 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0856 | U | 0.267 | 0.267 | 1.00 | 0.466 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 84.1 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.175 | U | 0.278 | 0.278 | 5.00 | 0.466 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02689 MW-13D

Lab Sample ID: 400-149133-18

Date Collected: 01/31/18 12:25

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0940 | U | 0.0727 | 0.0732 | 1.00 | 0.103 | pCi/L | 02/08/18 11:13 | 03/02/18 10:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:05 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.367 | U | 0.280 | 0.282 | 1.00 | 0.440 | pCi/L | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |
| Y Carrier | 90.1 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 16:59 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.461 | | 0.289 | 0.291 | 5.00 | 0.440 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02690 FB-3

Lab Sample ID: 400-149133-19

Date Collected: 01/31/18 12:50

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | -0.00165 | U | 0.0520 | 0.0520 | 1.00 | 0.111 | pCi/L | 02/08/18 11:13 | 03/02/18 10:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:06 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.515 | U | 0.336 | 0.340 | 1.00 | 0.520 | pCi/L | 02/08/18 12:49 | 02/13/18 17:00 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 17:00 | 1 |
| Y Carrier | 86.4 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 17:00 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.513 | U | 0.340 | 0.344 | 5.00 | 0.520 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02691 MW-1

Lab Sample ID: 400-149133-20

Date Collected: 01/29/18 15:15

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.128 | | 0.0777 | 0.0786 | 1.00 | 0.0977 | pCi/L | 02/08/18 11:13 | 03/02/18 10:06 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.3 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:06 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.565 | | 0.331 | 0.335 | 1.00 | 0.499 | pCi/L | 02/08/18 12:49 | 02/13/18 17:01 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.3 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 17:01 | 1 |
| Y Carrier | 84.5 | | 40 - 110 | | | | | 02/08/18 12:49 | 02/13/18 17:01 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.693 | | 0.340 | 0.344 | 5.00 | 0.499 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02692 MW-11

Lab Sample ID: 400-149133-21

Date Collected: 01/30/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.181 | | 0.100 | 0.102 | 1.00 | 0.126 | pCi/L | 02/08/18 13:22 | 03/02/18 06:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 100 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:30 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.129 | U | 0.262 | 0.262 | 1.00 | 0.449 | pCi/L | 02/08/18 13:37 | 02/16/18 16:15 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 100 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:15 | 1 |
| Y Carrier | 89.3 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:15 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.310 | U | 0.280 | 0.281 | 5.00 | 0.449 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02693 MW-2

Lab Sample ID: 400-149133-22

Date Collected: 01/30/18 14:16

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.142 | | 0.0866 | 0.0875 | 1.00 | 0.108 | pCi/L | 02/08/18 13:22 | 03/02/18 06:30 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:30 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.969 | | 0.355 | 0.366 | 1.00 | 0.489 | pCi/L | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Y Carrier | 90.1 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 1.11 | | 0.365 | 0.376 | 5.00 | 0.489 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02694 MW-16

Lab Sample ID: 400-149133-23

Date Collected: 01/30/18 15:29

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.301 | | 0.123 | 0.126 | 1.00 | 0.126 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.4 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.746 | | 0.346 | 0.353 | 1.00 | 0.502 | pCi/L | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.4 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Y Carrier | 92.0 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 1.05 | | 0.367 | 0.375 | 5.00 | 0.502 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02695 FB-2

Lab Sample ID: 400-149133-24

Date Collected: 01/30/18 15:18

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.188 | | 0.104 | 0.105 | 1.00 | 0.124 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.0 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.513 | U | 0.354 | 0.357 | 1.00 | 0.552 | pCi/L | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.0 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Y Carrier | 90.5 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.701 | | 0.369 | 0.372 | 5.00 | 0.552 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02696 MW-14

Lab Sample ID: 400-149133-25

Date Collected: 01/30/18 16:23

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.165 | | 0.0941 | 0.0953 | 1.00 | 0.111 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.6 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.609 | | 0.349 | 0.353 | 1.00 | 0.527 | pCi/L | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.6 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Y Carrier | 92.3 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.774 | | 0.361 | 0.366 | 5.00 | 0.527 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02697 PZ-5

Lab Sample ID: 400-149133-26

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.150 | | 0.0944 | 0.0953 | 1.00 | 0.122 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 91.2 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.702 | | 0.381 | 0.386 | 1.00 | 0.574 | pCi/L | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 91.2 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |
| Y Carrier | 91.2 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:16 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.851 | | 0.393 | 0.398 | 5.00 | 0.574 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02698 MW-5

Lab Sample ID: 400-149133-27

Date Collected: 01/31/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0263 | U | 0.0623 | 0.0624 | 1.00 | 0.116 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.354 | U | 0.346 | 0.347 | 1.00 | 0.562 | pCi/L | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Y Carrier | 90.8 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.380 | U | 0.352 | 0.353 | 5.00 | 0.562 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02699 MW-6

Lab Sample ID: 400-149133-28

Date Collected: 01/31/18 12:56

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0492 | U | 0.0632 | 0.0633 | 1.00 | 0.104 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.384 | U | 0.354 | 0.356 | 1.00 | 0.573 | pCi/L | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Y Carrier | 90.5 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.433 | U | 0.360 | 0.362 | 5.00 | 0.573 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02700 EB-1

Lab Sample ID: 400-149133-29

Date Collected: 01/31/18 13:00

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.125 | | 0.0811 | 0.0818 | 1.00 | 0.101 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.477 | U | 0.353 | 0.356 | 1.00 | 0.555 | pCi/L | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.602 | | 0.362 | 0.365 | 5.00 | 0.555 | pCi/L | | 03/05/18 15:17 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02701 PZ-5 DISS

Lab Sample ID: 400-149133-30

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

Method: 9315 - Radium-226 (GFPC) - Dissolved

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0626 | U | 0.0682 | 0.0684 | 1.00 | 0.107 | pCi/L | 02/08/18 13:22 | 03/02/18 06:31 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:31 | 1 |

Method: 9320 - Radium-228 (GFPC) - Dissolved

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.292 | U | 0.345 | 0.346 | 1.00 | 0.569 | pCi/L | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |
| Y Carrier | 83.4 | | 40 - 110 | | | | | 02/08/18 13:37 | 02/16/18 16:17 | 1 |

Method: Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.355 | U | 0.352 | 0.353 | 5.00 | 0.569 | pCi/L | | 03/05/18 15:15 | 1 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Qualifiers

Rad

| Qualifier | Qualifier Description |
|-----------|---|
| U | Result is less than the sample detection limit. |

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02672 MW-3D

Lab Sample ID: 400-149133-1

Date Collected: 01/29/18 11:02

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:02 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:57 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02673 MW-3S

Lab Sample ID: 400-149133-2

Date Collected: 01/29/18 12:09

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:02 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:57 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02674 MW-4

Lab Sample ID: 400-149133-3

Date Collected: 01/29/18 13:45

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:02 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:57 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02675 MW-4 DUP

Lab Sample ID: 400-149133-4

Date Collected: 01/29/18 13:45

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:02 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:57 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02676 FB-1

Lab Sample ID: 400-149133-5

Date Collected: 01/29/18 14:40

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:58 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02677 MW-7D

Lab Sample ID: 400-149133-6

Date Collected: 01/29/18 14:57

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:58 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02678 MW-7S

Lab Sample ID: 400-149133-7

Date Collected: 01/30/18 09:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:58 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02679 MW-8S

Lab Sample ID: 400-149133-8

Date Collected: 01/30/18 10:04

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:58 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02680 MW-8D

Lab Sample ID: 400-149133-9

Date Collected: 01/30/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:58 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02681 MW-9D

Lab Sample ID: 400-149133-10

Date Collected: 01/30/18 12:02

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:58 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02682 MW-9D DUP

Lab Sample ID: 400-149133-11

Date Collected: 01/30/18 12:02

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02683 MW-9S

Lab Sample ID: 400-149133-12

Date Collected: 01/30/18 13:42

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02684 MW-12

Lab Sample ID: 400-149133-13

Date Collected: 01/30/18 15:02

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02685 MW-10

Lab Sample ID: 400-149133-14

Date Collected: 01/31/18 08:52

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353700 | 03/02/18 10:03 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02686 MW-15

Lab Sample ID: 400-149133-15

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353701 | 03/02/18 10:05 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02687 MW-15 DUP

Lab Sample ID: 400-149133-16

Date Collected: 01/31/18 10:15

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353701 | 03/02/18 10:05 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02688 MW-13S

Lab Sample ID: 400-149133-17

Date Collected: 01/31/18 11:32

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353701 | 03/02/18 10:05 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02689 MW-13D

Lab Sample ID: 400-149133-18

Date Collected: 01/31/18 12:25

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353701 | 03/02/18 10:05 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 16:59 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02690 FB-3

Lab Sample ID: 400-149133-19

Date Collected: 01/31/18 12:50

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353701 | 03/02/18 10:06 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350657 | 02/13/18 17:00 | KLS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02691 MW-1

Lab Sample ID: 400-149133-20

Date Collected: 01/29/18 15:15

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350270 | 02/08/18 11:13 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353701 | 03/02/18 10:06 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350283 | 02/08/18 12:49 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 350660 | 02/13/18 17:01 | RTM | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02692 MW-11

Lab Sample ID: 400-149133-21

Date Collected: 01/30/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:30 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:15 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02693 MW-2

Lab Sample ID: 400-149133-22

Date Collected: 01/30/18 14:16

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:30 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:16 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02694 MW-16

Lab Sample ID: 400-149133-23

Date Collected: 01/30/18 15:29

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:16 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02695 FB-2

Lab Sample ID: 400-149133-24

Date Collected: 01/30/18 15:18

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:16 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Client Sample ID: AY02696 MW-14

Lab Sample ID: 400-149133-25

Date Collected: 01/30/18 16:23

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:16 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02697 PZ-5

Lab Sample ID: 400-149133-26

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:16 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02698 MW-5

Lab Sample ID: 400-149133-27

Date Collected: 01/31/18 12:20

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:17 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02699 MW-6

Lab Sample ID: 400-149133-28

Date Collected: 01/31/18 12:56

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:17 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Client Sample ID: AY02700 EB-1

Lab Sample ID: 400-149133-29

Date Collected: 01/31/18 13:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:17 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 353982 | 03/05/18 15:17 | RTM | TAL SL |

Client Sample ID: AY02701 PZ-5 DISS

Lab Sample ID: 400-149133-30

Date Collected: 01/31/18 11:00

Matrix: Water

Date Received: 02/02/18 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Dissolved | Prep | PrecSep-21 | | | 350285 | 02/08/18 13:22 | SJC | TAL SL |
| Dissolved | Analysis | 9315 | | 1 | 353697 | 03/02/18 06:31 | RTM | TAL SL |
| Dissolved | Prep | PrecSep_0 | | | 350287 | 02/08/18 13:37 | SJC | TAL SL |
| Dissolved | Analysis | 9320 | | 1 | 351585 | 02/16/18 16:17 | CDR | TAL SL |
| Dissolved | Analysis | Ra226_Ra228 (D) | | 1 | 353981 | 03/05/18 15:15 | RTM | TAL SL |

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Rad

Prep Batch: 350270

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 400-149133-1 | AY02672 MW-3D | Total/NA | Water | PrecSep-21 | |
| 400-149133-2 | AY02673 MW-3S | Total/NA | Water | PrecSep-21 | |
| 400-149133-3 | AY02674 MW-4 | Total/NA | Water | PrecSep-21 | |
| 400-149133-4 | AY02675 MW-4 DUP | Total/NA | Water | PrecSep-21 | |
| 400-149133-5 | AY02676 FB-1 | Total/NA | Water | PrecSep-21 | |
| 400-149133-6 | AY02677 MW-7D | Total/NA | Water | PrecSep-21 | |
| 400-149133-7 | AY02678 MW-7S | Total/NA | Water | PrecSep-21 | |
| 400-149133-8 | AY02679 MW-8S | Total/NA | Water | PrecSep-21 | |
| 400-149133-9 | AY02680 MW-8D | Total/NA | Water | PrecSep-21 | |
| 400-149133-10 | AY02681 MW-9D | Total/NA | Water | PrecSep-21 | |
| 400-149133-11 | AY02682 MW-9D DUP | Total/NA | Water | PrecSep-21 | |
| 400-149133-12 | AY02683 MW-9S | Total/NA | Water | PrecSep-21 | |
| 400-149133-13 | AY02684 MW-12 | Total/NA | Water | PrecSep-21 | |
| 400-149133-14 | AY02685 MW-10 | Total/NA | Water | PrecSep-21 | |
| 400-149133-15 | AY02686 MW-15 | Total/NA | Water | PrecSep-21 | |
| 400-149133-16 | AY02687 MW-15 DUP | Total/NA | Water | PrecSep-21 | |
| 400-149133-17 | AY02688 MW-13S | Total/NA | Water | PrecSep-21 | |
| 400-149133-18 | AY02689 MW-13D | Total/NA | Water | PrecSep-21 | |
| 400-149133-19 | AY02690 FB-3 | Total/NA | Water | PrecSep-21 | |
| 400-149133-20 | AY02691 MW-1 | Total/NA | Water | PrecSep-21 | |
| MB 160-350270/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-350270/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 400-149133-8 DU | AY02679 MW-8S | Total/NA | Water | PrecSep-21 | |

Prep Batch: 350283

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 400-149133-1 | AY02672 MW-3D | Total/NA | Water | PrecSep_0 | |
| 400-149133-2 | AY02673 MW-3S | Total/NA | Water | PrecSep_0 | |
| 400-149133-3 | AY02674 MW-4 | Total/NA | Water | PrecSep_0 | |
| 400-149133-4 | AY02675 MW-4 DUP | Total/NA | Water | PrecSep_0 | |
| 400-149133-5 | AY02676 FB-1 | Total/NA | Water | PrecSep_0 | |
| 400-149133-6 | AY02677 MW-7D | Total/NA | Water | PrecSep_0 | |
| 400-149133-7 | AY02678 MW-7S | Total/NA | Water | PrecSep_0 | |
| 400-149133-8 | AY02679 MW-8S | Total/NA | Water | PrecSep_0 | |
| 400-149133-9 | AY02680 MW-8D | Total/NA | Water | PrecSep_0 | |
| 400-149133-10 | AY02681 MW-9D | Total/NA | Water | PrecSep_0 | |
| 400-149133-11 | AY02682 MW-9D DUP | Total/NA | Water | PrecSep_0 | |
| 400-149133-12 | AY02683 MW-9S | Total/NA | Water | PrecSep_0 | |
| 400-149133-13 | AY02684 MW-12 | Total/NA | Water | PrecSep_0 | |
| 400-149133-14 | AY02685 MW-10 | Total/NA | Water | PrecSep_0 | |
| 400-149133-15 | AY02686 MW-15 | Total/NA | Water | PrecSep_0 | |
| 400-149133-16 | AY02687 MW-15 DUP | Total/NA | Water | PrecSep_0 | |
| 400-149133-17 | AY02688 MW-13S | Total/NA | Water | PrecSep_0 | |
| 400-149133-18 | AY02689 MW-13D | Total/NA | Water | PrecSep_0 | |
| 400-149133-19 | AY02690 FB-3 | Total/NA | Water | PrecSep_0 | |
| 400-149133-20 | AY02691 MW-1 | Total/NA | Water | PrecSep_0 | |
| MB 160-350283/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-350283/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 400-149133-8 DU | AY02679 MW-8S | Total/NA | Water | PrecSep_0 | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Rad (Continued)

Prep Batch: 350285

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 400-149133-21 | AY02692 MW-11 | Total/NA | Water | PrecSep-21 | |
| 400-149133-22 | AY02693 MW-2 | Total/NA | Water | PrecSep-21 | |
| 400-149133-23 | AY02694 MW-16 | Total/NA | Water | PrecSep-21 | |
| 400-149133-24 | AY02695 FB-2 | Total/NA | Water | PrecSep-21 | |
| 400-149133-25 | AY02696 MW-14 | Total/NA | Water | PrecSep-21 | |
| 400-149133-26 | AY02697 PZ-5 | Total/NA | Water | PrecSep-21 | |
| 400-149133-27 | AY02698 MW-5 | Total/NA | Water | PrecSep-21 | |
| 400-149133-28 | AY02699 MW-6 | Total/NA | Water | PrecSep-21 | |
| 400-149133-29 | AY02700 EB-1 | Total/NA | Water | PrecSep-21 | |
| 400-149133-30 | AY02701 PZ-5 DISS | Dissolved | Water | PrecSep-21 | |
| MB 160-350285/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-350285/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 400-149133-23 DU | AY02694 MW-16 | Total/NA | Water | PrecSep-21 | |

Prep Batch: 350287

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 400-149133-21 | AY02692 MW-11 | Total/NA | Water | PrecSep_0 | |
| 400-149133-22 | AY02693 MW-2 | Total/NA | Water | PrecSep_0 | |
| 400-149133-23 | AY02694 MW-16 | Total/NA | Water | PrecSep_0 | |
| 400-149133-24 | AY02695 FB-2 | Total/NA | Water | PrecSep_0 | |
| 400-149133-25 | AY02696 MW-14 | Total/NA | Water | PrecSep_0 | |
| 400-149133-26 | AY02697 PZ-5 | Total/NA | Water | PrecSep_0 | |
| 400-149133-27 | AY02698 MW-5 | Total/NA | Water | PrecSep_0 | |
| 400-149133-28 | AY02699 MW-6 | Total/NA | Water | PrecSep_0 | |
| 400-149133-29 | AY02700 EB-1 | Total/NA | Water | PrecSep_0 | |
| 400-149133-30 | AY02701 PZ-5 DISS | Dissolved | Water | PrecSep_0 | |
| MB 160-350287/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-350287/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 400-149133-23 DU | AY02694 MW-16 | Total/NA | Water | PrecSep_0 | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-350270/1-A
Matrix: Water
Analysis Batch: 353700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350270

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.03751 | U | 0.0541 | 0.0543 | 1.00 | 0.0925 | pCi/L | 02/08/18 11:13 | 03/02/18 10:01 | 1 |
| Carrier | MB %Yield | MB Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 103 | | 40 - 110 | | | | | 02/08/18 11:13 | 03/02/18 10:01 | 1 |

Lab Sample ID: LCS 160-350270/2-A
Matrix: Water
Analysis Batch: 353700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350270

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|---------------|----------|-----------------------|------|--------|-------|------|--------------|
| Radium-226 | 15.7 | 12.74 | | 1.32 | 1.00 | 0.0931 | pCi/L | 81 | 68 - 137 |
| Carrier | LCS %Yield | LCS Qualifier | Limits | | | | | | |
| Ba Carrier | 104 | | 40 - 110 | | | | | | |

Lab Sample ID: 400-149133-8 DU
Matrix: Water
Analysis Batch: 353700

Client Sample ID: AY02679 MW-8S
Prep Type: Total/NA
Prep Batch: 350270

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|--------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-226 | -0.00416 | U | 0.008342 | U | 0.0522 | 1.00 | 0.106 | pCi/L | 0.13 | 1 |
| Carrier | DU %Yield | DU Qualifier | Limits | | | | | | | |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | | | |

Lab Sample ID: MB 160-350285/1-A
Matrix: Water
Analysis Batch: 353697

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350285

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.08661 | U | 0.0707 | 0.0711 | 1.00 | 0.100 | pCi/L | 02/08/18 13:22 | 03/02/18 06:30 | 1 |
| Carrier | MB %Yield | MB Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 109 | | 40 - 110 | | | | | 02/08/18 13:22 | 03/02/18 06:30 | 1 |

Lab Sample ID: LCS 160-350285/2-A
Matrix: Water
Analysis Batch: 353697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350285

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-226 | 15.7 | 16.31 | | 1.66 | 1.00 | 0.115 | pCi/L | 104 | 68 - 137 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-350285/2-A
Matrix: Water
Analysis Batch: 353697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350285

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|---------------|------------------|----------|
| Ba Carrier | 98.2 | | 40 - 110 |

Lab Sample ID: 400-149133-23 DU
Matrix: Water
Analysis Batch: 353697

Client Sample ID: AY02694 MW-16
Prep Type: Total/NA
Prep Batch: 350285

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|------------------|----------------|--------------|------------|-----------------------------|------|--------|-------|------|--------------|
| Radium-226 | 0.301 | | 0.3669 | | 0.129 | 1.00 | 0.0902 | pCi/L | 0.26 | 1 |

| Carrier | DU %Yield | DU Qualifier | Limits |
|------------|--------------|-----------------|----------|
| Ba Carrier | 93.8 | | 40 - 110 |

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-350283/1-A
Matrix: Water
Analysis Batch: 350657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350283

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------------|-----------------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.09233 | U | 0.268 | 0.268 | 1.00 | 0.465 | pCi/L | 02/08/18 12:49 | 02/13/18 16:57 | 1 |

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------|--------------|-----------------|----------|----------------|----------------|---------|
| Ba Carrier | 103 | | 40 - 110 | 02/08/18 12:49 | 02/13/18 16:57 | 1 |
| Y Carrier | 87.5 | | 40 - 110 | 02/08/18 12:49 | 02/13/18 16:57 | 1 |

Lab Sample ID: LCS 160-350283/2-A
Matrix: Water
Analysis Batch: 350657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350283

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|----------------|---------------|-------------|-----------------------------|------|-------|-------|------|-----------------|
| Radium-228 | 11.4 | 10.54 | | 1.25 | 1.00 | 0.461 | pCi/L | 92 | 56 - 140 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|---------------|------------------|----------|
| Ba Carrier | 104 | | 40 - 110 |
| Y Carrier | 86.7 | | 40 - 110 |

Lab Sample ID: 400-149133-8 DU
Matrix: Water
Analysis Batch: 350657

Client Sample ID: AY02679 MW-8S
Prep Type: Total/NA
Prep Batch: 350283

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|------------------|----------------|--------------|------------|-----------------------------|------|-------|-------|------|--------------|
| Radium-228 | 0.293 | U | 0.5703 | | 0.366 | 1.00 | 0.562 | pCi/L | 0.40 | 1 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 400-149133-8 DU
Matrix: Water
Analysis Batch: 350657

Client Sample ID: AY02679 MW-8S
Prep Type: Total/NA
Prep Batch: 350283

| | DU | DU | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 98.5 | | 40 - 110 |
| Y Carrier | 88.2 | | 40 - 110 |

Lab Sample ID: MB 160-350287/1-A
Matrix: Water
Analysis Batch: 351585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350287

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.8089 | | 0.320 | 0.328 | 1.00 | 0.445 | pCi/L | 02/08/18 13:37 | 02/16/18 16:15 | 1 |

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|----------|----------------|----------------|---------|
| Ba Carrier | 109 | | 40 - 110 | 02/08/18 13:37 | 02/16/18 16:15 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | 02/08/18 13:37 | 02/16/18 16:15 | 1 |

Lab Sample ID: LCS 160-350287/2-A
Matrix: Water
Analysis Batch: 351585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350287

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|-------------|
| Radium-228 | 11.4 | 12.16 | | 1.41 | 1.00 | 0.479 | pCi/L | 107 | 56 - 140 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|------------|---------------|----------|
| Ba Carrier | 98.2 | | 40 - 110 |
| Y Carrier | 90.5 | | 40 - 110 |

Lab Sample ID: 400-149133-23 DU
Matrix: Water
Analysis Batch: 351585

Client Sample ID: AY02694 MW-16
Prep Type: Total/NA
Prep Batch: 350287

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-228 | 0.746 | | 0.4966 | | 0.323 | 1.00 | 0.489 | pCi/L | 0.37 | 1 |

| Carrier | DU %Yield | DU Qualifier | Limits |
|------------|-----------|--------------|----------|
| Ba Carrier | 93.8 | | 40 - 110 |
| Y Carrier | 90.5 | | 40 - 110 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

Lab Sample ID: 400-149133-8 DU
Matrix: Water
Analysis Batch: 353982

Client Sample ID: AY02679 MW-8S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---------------------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Combined Radium 226 + 228 | 0.289 | U | 0.5786 | | 0.370 | 5.00 | 0.562 | pCi/L | 0.42 | |

Lab Sample ID: 400-149133-23 DU
Matrix: Water
Analysis Batch: 353982

Client Sample ID: AY02694 MW-16
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---------------------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Combined Radium 226 + 228 | 1.05 | | 0.8635 | | 0.348 | 5.00 | 0.489 | pCi/L | 0.25 | |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

TestAmerica Pensacola
 3355 McLemore Drive
 Pensacola, FL 32514
 Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record



| Client Information | | | | Lab PI#: | | Carrier Tracking Note(s): | | | |
|--|--|-------------|-------------|---|--------------------------------|-----------------------------------|----------------------------|----------------------------|------------------------------|
| Samp: Ben Rothschild | | | | Whitmore, Chelyenne R | | | | | |
| Phone: Sarah Copeland | | | | E-Mail: chelyenne.whitmore@testamericainc.com | | | | | |
| Company: Alabama Power General Test Laboratory | | | | | | | | | |
| Address: 744 County Rd 87 GSC #8 | | | | | | | | | |
| City: Calera | | | | | | | | | |
| State: AL, Zip: 35040 | | | | | | | | | |
| Phone: 205-664-6121(Tel) | | | | | | | | | |
| Email: sgcopelia@southernco.com | | | | | | | | | |
| Project #: 40007143 | | | | | | | | | |
| SSOWN: Miller Ash Pond 1132 | | | | | | | | | |
| Sample Identification | | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (Vendor, Sample, Other) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Total Number of Containers | Special Instructions/Note: |
| AY02672 | | 1/29/18 | 1102 | G | Water | X | D | 1 | MW-3D |
| AY02673 | | 1/29/18 | 1209 | G | Water | X | X | 1 | MW-3S |
| AY02674 | | 1/29/18 | 1345 | G | Water | X | X | 1 | MW-4 |
| AY02675 | | 1/29/18 | 1345 | G | Water | X | X | 1 | MW-4 Dup (Sample Duplicate) |
| AY02676 | | 1/29/18 | 1440 | G | Water | X | X | 1 | FB-1 (Field Blank) |
| AY02677 | | 1/29/18 | 1457 | G | Water | X | X | 1 | MW-7D |
| AY02678 | | 1/30/18 | 0900 | G | Water | X | X | 1 | MW-7S |
| AY02679 | | 1/30/18 | 1004 | G | Water | Y | X | 3 | MW-8S |
| AY02680 | | 1/30/18 | 1100 | G | Water | X | X | 1 | MW-8D |
| AY02681 | | 1/30/18 | 1202 | G | Water | X | X | 1 | MW-9D |
| AY02682 | | 1/30/18 | 1202 | G | Water | X | X | 1 | MW-9D Dup (Sample Duplicate) |
| AY02683 | | 1/30/18 | 1342 | G | Water | X | X | 1 | MW-9S |
| AY02684 | | 1/30/18 | 1502 | G | Water | X | X | 1 | MW-12 |
| AY02685 | | 1/31/18 | 0852 | G | Water | X | X | 1 | MW-10 |
| AY02686 | | 1/31/18 | 1015 | G | Water | X | X | 1 | MW-15 |

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

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

Empty Kit Relinquished by: Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Time: Date: 2/2/2018 16:00
 Relinquished by: Sarah Copeland
 Relinquished by: Company APC
 Relinquished by: Company
 Relinquished by: Company

Custody Seals Intact: Custody Seal No.: _____
 Yes No Δ



Cooler Temperature(s) °C and Other Remarks:



TestAmerica Pensacola
 3355 McLemore Drive
 Pensacola, FL 32514
 Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

| | | | | | | |
|---|---|---|---|---------------------------|--|-----------------------------------|
| Client Information Client Contact: Sarah Copeland Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6121 (Tel) Email: Sycopelia@southemco.com Project #: 40007143 CCR Site: Miller Ash Pond 1132 | Sampler: Ben Rothschild/ Anthony Goggins Phone: Lab PM: Whitire, Cheyenne R E-Mail: cheyenne.whitire@testamericainc.com Camera Tracking No(s): | Analysis Requested <div style="text-align: center;">  400-149133 COC </div> | COC No: 400-56825-24537.1 Page: Page 2 of 2 Job #: 400-149133 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amnibor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify) | | | |
| Analysis Requested | | | | | | |
| Due Date Requested: TAT Requested (days): Routine | | | | | | |
| PO #: WO #: Project #: CCR SSON#: | | | | | | |
| Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> D Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> D Total Number of Containers | | | | | | |
| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Preservation Code: | Matrix (Water, Soil, Sediment, Other) | Special Instructions/Note: |
| AY02687 | 1/31/18 | 1015 | G | Water | Water | MW-15 Dup (Sample Duplicate) |
| AY02688 | 1/31/18 | 1132 | G | Water | Water | MW-13S |
| AY02689 | 1/31/18 | 1225 | G | Water | Water | MW-13D |
| AY02690 | 1/31/18 | 1250 | G | Water | Water | FB-3 (Field Blank) |
| AY02691 | 1/28/18 | 1515 | G | Water | Water | MW-1 |
| AY02692 | 1/30/18 | 1220 | G | Water | Water | MW-11 |
| AY02693 | 1/30/18 | 1416 | G | Water | Water | MW-2 |
| AY02694 | 1/30/18 | 1529 | G | Water | Water | MW-16 |
| AY02695 | 1/30/18 | 1518 | G | Water | Water | FB-2 (Field Blank) |
| AY02696 | 1/30/18 | 1623 | G | Water | Water | MW-14 |
| AY02697 | 1/31/18 | 1100 | G | Water | Water | PZ-5 |
| AY02698 | 1/31/18 | 1220 | G | Water | Water | MW-5 |
| AY02699 | 1/31/18 | 1256 | G | Water | Water | MW-6 |
| AY02700 | 1/31/18 | 1300 | G | Water | Water | EB-1 (Equipment Blank) |
| AY02701 | 1/31/18 | 1100 | G | Water | Water | PZ-5 Diss (Dissolved Sample) |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | |
| Empty Kit Relinquished by: | | | | | | |
| Relinquished by: Sarah Copeland Date/Time: 2/05/2018; 1400 Company: APC | | | | | | |
| Relinquished by: | | | | | | |
| Relinquished by: | | | | | | |
| Relinquished by: | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: | | | | | | |
| Received by:  Date/Time: 2/2/2018 16:00 Company: | | | | | | |
| Received by: | | | | | | |
| Received by: | | | | | | |
| Cooler Temperature(s) °C and Other Remarks: 16.3 19.8 20.2 | | | | | | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-149133-1
SDG Number: Miller Ash Pond 1132

Login Number: 149133

List Number: 1

Creator: Siddoway, Benjamin

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|---|--------|---------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 19.8°C, 16.3°C IR-7 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-149133-1
SDG Number: Miller Ash Pond 1132

Login Number: 149133
List Number: 2
Creator: Clarke, Jill C

List Source: TestAmerica St. Louis
List Creation: 02/07/18 03:23 PM

| Question | Answer | Comment |
|--|--------|------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 18.0, 18.0 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
 SDG: Miller Ash Pond 1132

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-18 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-18 |
| California | ELAP | 9 | 2510 | 03-31-18 |
| Florida | NELAP | 4 | E81010 | 06-30-18 |
| Georgia | State Program | 4 | N/A | 06-30-18 |
| Illinois | NELAP | 5 | 200041 | 10-09-18 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-18 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| L-A-B | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Louisiana | NELAP | 6 | 30976 | 06-30-18 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-18 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-18 |
| Michigan | State Program | 5 | 9912 | 06-30-18 |
| New Jersey | NELAP | 2 | FL006 | 06-30-18 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-18 |
| Tennessee | State Program | 4 | TN02907 | 06-30-18 |
| Texas | NELAP | 6 | T104704286-17-12 | 09-30-18 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-18 |
| Washington | State Program | 10 | C915 | 05-15-18 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-18 |

Laboratory: TestAmerica St. Louis

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|----------------|---------------|------------|-----------------------|-----------------|
| Alaska | State Program | 10 | MO00054 | 06-30-18 |
| Arizona | State Program | 9 | AZ0813 | 12-08-18 |
| California | State Program | 9 | 2886 | 03-31-18 * |
| Connecticut | State Program | 1 | PH-0241 | 03-31-19 |
| Florida | NELAP | 4 | E87689 | 06-30-18 |
| Illinois | NELAP | 5 | 200023 | 11-30-18 |
| Iowa | State Program | 7 | 373 | 12-01-18 |
| Kansas | NELAP | 7 | E-10236 | 10-31-18 |
| Kentucky (DW) | State Program | 4 | 90125 | 12-31-18 |
| L-A-B | DoD ELAP | | L2305 | 04-06-19 |
| Louisiana | NELAP | 6 | 04080 | 06-30-18 |
| Louisiana (DW) | NELAP | 6 | LA180017 | 12-31-18 |
| Maryland | State Program | 3 | 310 | 09-30-18 |
| Missouri | State Program | 7 | 780 | 06-30-18 |
| Nevada | State Program | 9 | MO000542018-1 | 07-31-18 |
| New Jersey | NELAP | 2 | MO002 | 06-30-18 |

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

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-149133-1
SDG: Miller Ash Pond 1132

Laboratory: TestAmerica St. Louis (Continued)

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|---------------|------------|-----------------------|-----------------|
| New York | NELAP | 2 | 11616 | 03-31-18 * |
| North Dakota | State Program | 8 | R207 | 06-30-18 |
| NRC | NRC | | 24-24817-01 | 12-31-22 |
| Oklahoma | State Program | 6 | 9997 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00540 | 02-21-18 * |
| South Carolina | State Program | 4 | 85002001 | 06-30-18 |
| Texas | NELAP | 6 | T104704193-17-11 | 07-31-18 |
| US Fish & Wildlife | Federal | | 058448 | 08-31-18 |
| USDA | Federal | | P330-17-0028 | 02-02-20 |
| Utah | NELAP | 8 | MO000542016-8 | 07-31-18 |
| Virginia | NELAP | 3 | 460230 | 06-14-18 |
| Washington | State Program | 10 | C592 | 08-30-18 |
| West Virginia DEP | State Program | 3 | 381 | 08-31-18 |

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

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 1/29/2018 12:27 | 2920.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:27 | 196.63 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 12:27 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:27 | -86.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:27 | 12.01 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:27 | 16.29 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:27 | 3.35 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 12:32 | 2916.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:32 | 196.94 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 12:32 | 0.38 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:32 | -82.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:32 | 12.03 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:32 | 16.4 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:32 | 1.68 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 12:37 | 2864.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:37 | 197.13 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 12:37 | 0.38 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:37 | -80.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:37 | 12.03 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:37 | 16.48 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:37 | 1.36 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 12:42 | 2763.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:42 | 197.29 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 12:42 | 0.38 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:42 | -78.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:42 | 12.03 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:42 | 16.43 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:42 | 1.57 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 12:47 | 2637.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:47 | 197.47 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 12:47 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:47 | -75.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:47 | 12.02 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:47 | 16.36 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:47 | 1.75 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 12:52 | 2457.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:52 | 197.6 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 12:52 | 0.4 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:52 | -71.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:52 | 11.99 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:52 | 16.32 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:52 | 2.33 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 12:57 | 2223.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 12:57 | 197.75 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 1/29/2018 12:57 | 0.4 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 12:57 | -67.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 12:57 | 11.95 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 12:57 | 16.35 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 12:57 | 3.42 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:02 | 2029.8 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:02 | 197.84 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:02 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:02 | -63.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:02 | 11.91 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:02 | 16.41 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:02 | 7.26 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:07 | 1831.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:07 | 197.98 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:07 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:07 | -60.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:07 | 11.87 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:07 | 16.41 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:07 | 12.3 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:12 | 1664.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:12 | 198.1 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:12 | 0.38 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:12 | -56.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:12 | 11.83 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:12 | 16.4 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:12 | 19.4 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:17 | 1509.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:17 | 198.1 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:17 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:17 | -52.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:17 | 11.76 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:17 | 16.38 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:17 | 18.1 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:22 | 1409.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:22 | 198.1 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:22 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:22 | -49.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:22 | 11.7 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:22 | 16.37 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:22 | 22.4 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:27 | 1279.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:27 | 198.14 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:27 | 0.37 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:27 | -45.4 | mv | Oxidation Reduction Potential |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 1/29/2018 13:27 | 11.63 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:27 | 16.4 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:27 | 23 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:32 | 1257.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:32 | 198.2 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:32 | 0.37 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:32 | -44.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:32 | 11.57 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:32 | 16.4 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:32 | 23 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:37 | 1139.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:37 | 198.3 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:37 | 0.34 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:37 | -42.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:37 | 11.5 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:37 | 16.47 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:37 | 20.6 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:42 | 1064.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:42 | 198.36 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:42 | 0.31 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:42 | -40.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:42 | 11.38 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:42 | 16.52 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:42 | 18.7 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:47 | 1028.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:47 | 198.39 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:47 | 0.28 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:47 | -39.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:47 | 11.27 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:47 | 16.65 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:47 | 18.2 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:52 | 1027.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:52 | 198.48 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:52 | 0.25 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:52 | -39 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:52 | 11.21 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:52 | 16.69 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 13:52 | 18.6 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 13:57 | 987.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 13:57 | 198.5 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 13:57 | 0.23 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 13:57 | -38.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 13:57 | 11.13 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 13:57 | 16.61 | C | Temperature |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 1/29/2018 13:57 | 14.9 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:02 | 975.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:02 | 198.6 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:02 | 0.21 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:02 | -37.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:02 | 11.04 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:02 | 16.61 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:02 | 19.9 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:07 | 961.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:07 | 198.64 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:07 | 0.19 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:07 | -37.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:07 | 10.95 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:07 | 16.56 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:07 | 19.1 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:12 | 947.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:12 | 198.74 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:12 | 0.18 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:12 | -36.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:12 | 10.79 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:12 | 16.52 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:12 | 18.7 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:17 | 943.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:17 | 198.83 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:17 | 0.18 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:17 | -36.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:17 | 10.62 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:17 | 16.51 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:17 | 22.8 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:22 | 947.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:22 | 198.89 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:22 | 0.17 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:22 | -35.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:22 | 10.48 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:22 | 16.48 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:22 | 19 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:27 | 949.1 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:27 | 198.92 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:27 | 0.15 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:27 | -32.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:27 | 10.28 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:27 | 16.5 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:27 | 21.1 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:32 | 960 | uS/cm | Conductivity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 1/29/2018 14:32 | 198.97 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:32 | 0.14 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:32 | -31.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:32 | 10.07 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:32 | 16.51 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:32 | 18.7 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:37 | 968.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:37 | 198.87 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:37 | 0.14 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:37 | -31.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:37 | 9.91 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:37 | 16.54 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:37 | 18.5 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:42 | 973.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:42 | 198.67 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:42 | 0.17 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:42 | -29.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:42 | 9.79 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:42 | 16.27 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:42 | 17.1 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:48 | 995.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:48 | 198.69 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:48 | 0.15 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:48 | -26.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:48 | 9.63 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:48 | 16.38 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:48 | 15 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:53 | 1078.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:53 | 198.69 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:53 | 0.15 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:53 | -20.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:53 | 9.42 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:53 | 16.47 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:53 | 18.8 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 14:58 | 1137.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 14:58 | 198.69 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 14:58 | 0.14 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 14:58 | -22.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 14:58 | 9.16 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 14:58 | 16.57 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 14:58 | 8.99 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 15:03 | 1104.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 15:03 | 198.69 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 15:03 | 0.12 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-1 | 1/29/2018 15:03 | -46.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 15:03 | 9.01 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 15:03 | 16.7 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 15:03 | 9.29 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 15:08 | 1101 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 15:08 | 198.73 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 15:08 | 0.11 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 15:08 | -78.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 15:08 | 8.92 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 15:08 | 16.77 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 15:08 | 7.62 | NTU | Turbidity |
| MR-AP-MW-1 | 1/29/2018 15:13 | 1110.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 1/29/2018 15:13 | 198.73 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 1/29/2018 15:13 | 0.11 | mg/L | DO |
| MR-AP-MW-1 | 1/29/2018 15:13 | -124.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 1/29/2018 15:13 | 8.84 | pH | pH |
| MR-AP-MW-1 | 1/29/2018 15:13 | 16.64 | C | Temperature |
| MR-AP-MW-1 | 1/29/2018 15:13 | 8.38 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-2 | 1/30/2018 13:24 | 1542.6 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:24 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:24 | 1.74 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:24 | 49.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:24 | 5.71 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:24 | 17.01 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:24 | 6.83 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:29 | 1206.2 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:29 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:29 | 0.79 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:29 | 19.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:29 | 6 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:29 | 16.83 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:29 | 5.56 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:34 | 1291 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:34 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:34 | 0.66 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:34 | 14.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:34 | 6.04 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:34 | 16.38 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:34 | 2.48 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:39 | 1583.6 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:39 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:39 | 0.56 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:39 | 8.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:39 | 6.03 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:39 | 16.4 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:39 | 1.02 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:44 | 1973.7 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:44 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:44 | 0.49 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:44 | 0.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:44 | 6.01 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:44 | 16.2 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:44 | 0.88 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:49 | 2257 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:49 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:49 | 0.44 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:49 | -7.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:49 | 6.02 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:49 | 16.52 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:49 | 0.49 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:54 | 2428 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:54 | 203.05 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-2 | 1/30/2018 13:54 | 0.41 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:54 | -14.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:54 | 6.07 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:54 | 16.35 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:54 | 0.45 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 13:59 | 2512.6 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 13:59 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 13:59 | 0.4 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 13:59 | -19.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 13:59 | 6.11 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 13:59 | 16.34 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 13:59 | 0.4 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 14:04 | 2566.9 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 14:04 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 14:04 | 0.4 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 14:04 | -22.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 14:04 | 6.13 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 14:04 | 16.11 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 14:04 | 0.63 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 14:09 | 2583.5 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 14:09 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 14:09 | 0.39 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 14:09 | -24.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 14:09 | 6.15 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 14:09 | 16.2 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 14:09 | 0.61 | NTU | Turbidity |
| MR-AP-MW-2 | 1/30/2018 14:14 | 2587 | uS/cm | Conductivity |
| MR-AP-MW-2 | 1/30/2018 14:14 | 203.05 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 1/30/2018 14:14 | 0.39 | mg/L | DO |
| MR-AP-MW-2 | 1/30/2018 14:14 | -26.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 1/30/2018 14:14 | 6.17 | pH | pH |
| MR-AP-MW-2 | 1/30/2018 14:14 | 16.2 | C | Temperature |
| MR-AP-MW-2 | 1/30/2018 14:14 | 0.42 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-3D | 1/29/2018 10:28 | 1537.9 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:28 | 111.85 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 1/29/2018 10:28 | 0.89 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:28 | -122.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:28 | 6.99 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:28 | 17.36 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:28 | 11.1 | NTU | Turbidity |
| MR-AP-MW-3D | 1/29/2018 10:33 | 1549.2 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:33 | 111.85 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 1/29/2018 10:33 | 0.53 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:33 | -80.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:33 | 6.84 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:33 | 17.14 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:33 | 10.7 | NTU | Turbidity |
| MR-AP-MW-3D | 1/29/2018 10:38 | 1551.3 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:38 | 111.85 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 1/29/2018 10:38 | 0.46 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:38 | -66.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:38 | 6.81 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:38 | 17.09 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:38 | 8.96 | NTU | Turbidity |
| MR-AP-MW-3D | 1/29/2018 10:43 | 1553.1 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:43 | 111.85 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 1/29/2018 10:43 | 0.42 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:43 | -60.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:43 | 6.81 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:43 | 17.1 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:43 | 7.43 | NTU | Turbidity |
| MR-AP-MW-3D | 1/29/2018 10:48 | 1551.8 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:48 | 111.85 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 1/29/2018 10:48 | 0.42 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:48 | -57 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:48 | 6.81 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:48 | 17.09 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:48 | 6.05 | NTU | Turbidity |
| MR-AP-MW-3D | 1/29/2018 10:53 | 1554.8 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:53 | 111.85 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 1/29/2018 10:53 | 0.41 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:53 | -53.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:53 | 6.81 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:53 | 17.14 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:53 | 5.86 | NTU | Turbidity |
| MR-AP-MW-3D | 1/29/2018 10:59 | 1556.9 | uS/cm | Conductivity |
| MR-AP-MW-3D | 1/29/2018 10:59 | 111.85 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-3D | 1/29/2018 10:59 | 0.42 | mg/L | DO |
| MR-AP-MW-3D | 1/29/2018 10:59 | -52.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 1/29/2018 10:59 | 6.82 | pH | pH |
| MR-AP-MW-3D | 1/29/2018 10:59 | 17.21 | C | Temperature |
| MR-AP-MW-3D | 1/29/2018 10:59 | 4.66 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-3S | 1/29/2018 11:45 | 1018.8 | uS/cm | Conductivity |
| MR-AP-MW-3S | 1/29/2018 11:45 | 89.56 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 1/29/2018 11:45 | 0.37 | mg/L | DO |
| MR-AP-MW-3S | 1/29/2018 11:45 | -151.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 1/29/2018 11:45 | 9.95 | pH | pH |
| MR-AP-MW-3S | 1/29/2018 11:45 | 17.41 | C | Temperature |
| MR-AP-MW-3S | 1/29/2018 11:45 | 2.57 | NTU | Turbidity |
| MR-AP-MW-3S | 1/29/2018 11:50 | 1027.4 | uS/cm | Conductivity |
| MR-AP-MW-3S | 1/29/2018 11:50 | 89.63 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 1/29/2018 11:50 | 0.27 | mg/L | DO |
| MR-AP-MW-3S | 1/29/2018 11:50 | -107.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 1/29/2018 11:50 | 10 | pH | pH |
| MR-AP-MW-3S | 1/29/2018 11:50 | 17.32 | C | Temperature |
| MR-AP-MW-3S | 1/29/2018 11:50 | 2.11 | NTU | Turbidity |
| MR-AP-MW-3S | 1/29/2018 11:55 | 1019.3 | uS/cm | Conductivity |
| MR-AP-MW-3S | 1/29/2018 11:55 | 89.67 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 1/29/2018 11:55 | 0.23 | mg/L | DO |
| MR-AP-MW-3S | 1/29/2018 11:55 | -98 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 1/29/2018 11:55 | 9.89 | pH | pH |
| MR-AP-MW-3S | 1/29/2018 11:55 | 17.28 | C | Temperature |
| MR-AP-MW-3S | 1/29/2018 11:55 | 1.56 | NTU | Turbidity |
| MR-AP-MW-3S | 1/29/2018 12:00 | 1008.1 | uS/cm | Conductivity |
| MR-AP-MW-3S | 1/29/2018 12:00 | 89.71 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 1/29/2018 12:00 | 0.23 | mg/L | DO |
| MR-AP-MW-3S | 1/29/2018 12:00 | -93.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 1/29/2018 12:00 | 9.83 | pH | pH |
| MR-AP-MW-3S | 1/29/2018 12:00 | 17.27 | C | Temperature |
| MR-AP-MW-3S | 1/29/2018 12:00 | 1.62 | NTU | Turbidity |
| MR-AP-MW-3S | 1/29/2018 12:05 | 1000.3 | uS/cm | Conductivity |
| MR-AP-MW-3S | 1/29/2018 12:05 | 89.75 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 1/29/2018 12:05 | 0.22 | mg/L | DO |
| MR-AP-MW-3S | 1/29/2018 12:05 | -89.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 1/29/2018 12:05 | 9.76 | pH | pH |
| MR-AP-MW-3S | 1/29/2018 12:05 | 17.2 | C | Temperature |
| MR-AP-MW-3S | 1/29/2018 12:05 | 1.56 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-4 | 1/29/2018 13:01 | 1528.9 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:01 | 42.15 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:01 | 0.15 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:01 | 64.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:01 | 6.08 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:01 | 18.98 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:01 | 47.6 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:06 | 1515.7 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:06 | 42.2 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:06 | 0.13 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:06 | 75.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:06 | 5.96 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:06 | 18.97 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:06 | 18.2 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:11 | 1512.9 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:11 | 42.21 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:11 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:11 | 79.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:11 | 5.92 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:11 | 18.93 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:11 | 14.3 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:16 | 1511.2 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:16 | 42.21 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:16 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:16 | 80.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:16 | 5.9 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:16 | 18.97 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:16 | 11.5 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:21 | 1507.6 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:21 | 42.22 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:21 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:21 | 82.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:21 | 5.88 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:21 | 19.02 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:21 | 8.26 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:26 | 1507.7 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:26 | 42.22 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:26 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:26 | 83.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:26 | 5.88 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:26 | 19 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:26 | 6.95 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:31 | 1509 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:31 | 42.22 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-4 | 1/29/2018 13:31 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:31 | 83.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:31 | 5.88 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:31 | 18.97 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:31 | 5.99 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:36 | 1507.1 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:36 | 42.22 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:36 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:36 | 84.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:36 | 5.87 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:36 | 19.04 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:36 | 5.31 | NTU | Turbidity |
| MR-AP-MW-4 | 1/29/2018 13:41 | 1506.3 | uS/cm | Conductivity |
| MR-AP-MW-4 | 1/29/2018 13:41 | 42.22 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 1/29/2018 13:41 | 0.15 | mg/L | DO |
| MR-AP-MW-4 | 1/29/2018 13:41 | 85.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 1/29/2018 13:41 | 5.86 | pH | pH |
| MR-AP-MW-4 | 1/29/2018 13:41 | 19.07 | C | Temperature |
| MR-AP-MW-4 | 1/29/2018 13:41 | 4.91 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-5 | 1/31/2018 12:04 | 1682 | uS/cm | Conductivity |
| MR-AP-MW-5 | 1/31/2018 12:04 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 1/31/2018 12:04 | 0.05 | mg/L | DO |
| MR-AP-MW-5 | 1/31/2018 12:04 | -112.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 1/31/2018 12:04 | 7.29 | pH | pH |
| MR-AP-MW-5 | 1/31/2018 12:04 | 16.52 | C | Temperature |
| MR-AP-MW-5 | 1/31/2018 12:04 | 0.28 | NTU | Turbidity |
| MR-AP-MW-5 | 1/31/2018 12:09 | 1680.8 | uS/cm | Conductivity |
| MR-AP-MW-5 | 1/31/2018 12:09 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 1/31/2018 12:09 | 0.04 | mg/L | DO |
| MR-AP-MW-5 | 1/31/2018 12:09 | -110.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 1/31/2018 12:09 | 7.22 | pH | pH |
| MR-AP-MW-5 | 1/31/2018 12:09 | 16.31 | C | Temperature |
| MR-AP-MW-5 | 1/31/2018 12:09 | 0.21 | NTU | Turbidity |
| MR-AP-MW-5 | 1/31/2018 12:14 | 1688.4 | uS/cm | Conductivity |
| MR-AP-MW-5 | 1/31/2018 12:14 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 1/31/2018 12:14 | 0.04 | mg/L | DO |
| MR-AP-MW-5 | 1/31/2018 12:14 | -108.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 1/31/2018 12:14 | 7.16 | pH | pH |
| MR-AP-MW-5 | 1/31/2018 12:14 | 16.13 | C | Temperature |
| MR-AP-MW-5 | 1/31/2018 12:14 | 0.22 | NTU | Turbidity |
| MR-AP-MW-5 | 1/31/2018 12:19 | 1688.9 | uS/cm | Conductivity |
| MR-AP-MW-5 | 1/31/2018 12:19 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 1/31/2018 12:19 | 0.03 | mg/L | DO |
| MR-AP-MW-5 | 1/31/2018 12:19 | -107.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 1/31/2018 12:19 | 7.13 | pH | pH |
| MR-AP-MW-5 | 1/31/2018 12:19 | 15.98 | C | Temperature |
| MR-AP-MW-5 | 1/31/2018 12:19 | 0.19 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-PZ-5 | 1/31/2018 10:02 | 850.1 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:02 | 1.55 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:02 | 1.91 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:02 | -131.7 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:02 | 8.21 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:02 | 13.32 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:02 | 1.44 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:07 | 845.6 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:07 | 1.94 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:07 | 1.24 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:07 | -171.4 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:07 | 8.19 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:07 | 13.55 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:07 | 1.33 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:12 | 843.4 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:12 | 2.26 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:12 | 1.04 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:12 | -195.6 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:12 | 8.19 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:12 | 13.77 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:12 | 1.07 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:17 | 841.4 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:17 | 2.58 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:17 | 0.94 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:17 | -208.2 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:17 | 8.2 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:17 | 13.56 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:17 | 0.91 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:22 | 840.6 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:22 | 2.84 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:22 | 0.89 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:22 | -217.1 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:22 | 8.21 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:22 | 13.82 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:22 | 0.84 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:27 | 832 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:27 | 3.01 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:27 | 0.82 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:27 | -223.5 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:27 | 8.21 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:27 | 13.85 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:27 | 1.1 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:32 | 835.2 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:32 | 3.26 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-PZ-5 | 1/31/2018 10:32 | 0.83 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:32 | -227.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:32 | 8.22 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:32 | 13.72 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:32 | 0.97 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:37 | 832.9 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:37 | 3.4 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:37 | 0.8 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:37 | -231.4 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:37 | 8.23 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:37 | 13.03 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:37 | 2.85 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:42 | 835.3 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:42 | 3.47 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:42 | 0.8 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:42 | -234.7 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:42 | 8.23 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:42 | 12.97 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:42 | 0.83 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:48 | 833.1 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:48 | 3.6 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:48 | 0.77 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:48 | -237.7 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:48 | 8.23 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:48 | 13.04 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:48 | 0.57 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:53 | 828.2 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:53 | 3.72 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:53 | 0.74 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:53 | -240.2 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:53 | 8.24 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:53 | 13.02 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:53 | 0.66 | NTU | Turbidity |
| MR-AP-PZ-5 | 1/31/2018 10:58 | 831.2 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 1/31/2018 10:58 | 3.82 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 1/31/2018 10:58 | 0.74 | mg/L | DO |
| MR-AP-PZ-5 | 1/31/2018 10:58 | -242.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 1/31/2018 10:58 | 8.23 | pH | pH |
| MR-AP-PZ-5 | 1/31/2018 10:58 | 13.01 | C | Temperature |
| MR-AP-PZ-5 | 1/31/2018 10:58 | 0.5 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-6 | 1/31/2018 12:39 | 1142.3 | uS/cm | Conductivity |
| MR-AP-MW-6 | 1/31/2018 12:39 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 1/31/2018 12:39 | 0.08 | mg/L | DO |
| MR-AP-MW-6 | 1/31/2018 12:39 | -4.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 1/31/2018 12:39 | 6.2 | pH | pH |
| MR-AP-MW-6 | 1/31/2018 12:39 | 16.52 | C | Temperature |
| MR-AP-MW-6 | 1/31/2018 12:39 | 0.15 | NTU | Turbidity |
| MR-AP-MW-6 | 1/31/2018 12:44 | 1141.6 | uS/cm | Conductivity |
| MR-AP-MW-6 | 1/31/2018 12:44 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 1/31/2018 12:44 | 0.07 | mg/L | DO |
| MR-AP-MW-6 | 1/31/2018 12:44 | -2.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 1/31/2018 12:44 | 6.11 | pH | pH |
| MR-AP-MW-6 | 1/31/2018 12:44 | 16.48 | C | Temperature |
| MR-AP-MW-6 | 1/31/2018 12:44 | 0.23 | NTU | Turbidity |
| MR-AP-MW-6 | 1/31/2018 12:49 | 1141.9 | uS/cm | Conductivity |
| MR-AP-MW-6 | 1/31/2018 12:49 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 1/31/2018 12:49 | 0.07 | mg/L | DO |
| MR-AP-MW-6 | 1/31/2018 12:49 | -2.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 1/31/2018 12:49 | 6.07 | pH | pH |
| MR-AP-MW-6 | 1/31/2018 12:49 | 16.47 | C | Temperature |
| MR-AP-MW-6 | 1/31/2018 12:49 | 0.17 | NTU | Turbidity |
| MR-AP-MW-6 | 1/31/2018 12:54 | 1140.6 | uS/cm | Conductivity |
| MR-AP-MW-6 | 1/31/2018 12:54 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 1/31/2018 12:54 | 0.06 | mg/L | DO |
| MR-AP-MW-6 | 1/31/2018 12:54 | -1.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 1/31/2018 12:54 | 6.05 | pH | pH |
| MR-AP-MW-6 | 1/31/2018 12:54 | 16.47 | C | Temperature |
| MR-AP-MW-6 | 1/31/2018 12:54 | 0.26 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-7D | 1/29/2018 14:38 | 1064.1 | uS/cm | Conductivity |
| MR-AP-MW-7D | 1/29/2018 14:38 | 83.59 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 1/29/2018 14:38 | 0.32 | mg/L | DO |
| MR-AP-MW-7D | 1/29/2018 14:38 | -60.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 1/29/2018 14:38 | 6.76 | pH | pH |
| MR-AP-MW-7D | 1/29/2018 14:38 | 17.81 | C | Temperature |
| MR-AP-MW-7D | 1/29/2018 14:38 | 2.94 | NTU | Turbidity |
| MR-AP-MW-7D | 1/29/2018 14:43 | 1064.8 | uS/cm | Conductivity |
| MR-AP-MW-7D | 1/29/2018 14:43 | 83.6 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 1/29/2018 14:43 | 0.26 | mg/L | DO |
| MR-AP-MW-7D | 1/29/2018 14:43 | -58.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 1/29/2018 14:43 | 6.76 | pH | pH |
| MR-AP-MW-7D | 1/29/2018 14:43 | 17.77 | C | Temperature |
| MR-AP-MW-7D | 1/29/2018 14:43 | 1.67 | NTU | Turbidity |
| MR-AP-MW-7D | 1/29/2018 14:48 | 1058.6 | uS/cm | Conductivity |
| MR-AP-MW-7D | 1/29/2018 14:48 | 83.61 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 1/29/2018 14:48 | 0.24 | mg/L | DO |
| MR-AP-MW-7D | 1/29/2018 14:48 | -55.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 1/29/2018 14:48 | 6.76 | pH | pH |
| MR-AP-MW-7D | 1/29/2018 14:48 | 17.95 | C | Temperature |
| MR-AP-MW-7D | 1/29/2018 14:48 | 1.35 | NTU | Turbidity |
| MR-AP-MW-7D | 1/29/2018 14:53 | 1058.4 | uS/cm | Conductivity |
| MR-AP-MW-7D | 1/29/2018 14:53 | 83.61 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 1/29/2018 14:53 | 0.24 | mg/L | DO |
| MR-AP-MW-7D | 1/29/2018 14:53 | -51.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 1/29/2018 14:53 | 6.75 | pH | pH |
| MR-AP-MW-7D | 1/29/2018 14:53 | 17.97 | C | Temperature |
| MR-AP-MW-7D | 1/29/2018 14:53 | 1.02 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-7S | 1/30/2018 8:42 | 904.3 | uS/cm | Conductivity |
| MR-AP-MW-7S | 1/30/2018 8:42 | 15.43 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 1/30/2018 8:42 | 0.99 | mg/L | DO |
| MR-AP-MW-7S | 1/30/2018 8:42 | -63.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 1/30/2018 8:42 | 6.54 | pH | pH |
| MR-AP-MW-7S | 1/30/2018 8:42 | 15.62 | C | Temperature |
| MR-AP-MW-7S | 1/30/2018 8:42 | 1.46 | NTU | Turbidity |
| MR-AP-MW-7S | 1/30/2018 8:47 | 900.3 | uS/cm | Conductivity |
| MR-AP-MW-7S | 1/30/2018 8:47 | 15.56 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 1/30/2018 8:47 | 0.61 | mg/L | DO |
| MR-AP-MW-7S | 1/30/2018 8:47 | -63.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 1/30/2018 8:47 | 6.54 | pH | pH |
| MR-AP-MW-7S | 1/30/2018 8:47 | 16.16 | C | Temperature |
| MR-AP-MW-7S | 1/30/2018 8:47 | 1.19 | NTU | Turbidity |
| MR-AP-MW-7S | 1/30/2018 8:52 | 899.1 | uS/cm | Conductivity |
| MR-AP-MW-7S | 1/30/2018 8:52 | 15.6 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 1/30/2018 8:52 | 0.54 | mg/L | DO |
| MR-AP-MW-7S | 1/30/2018 8:52 | -62.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 1/30/2018 8:52 | 6.54 | pH | pH |
| MR-AP-MW-7S | 1/30/2018 8:52 | 16.16 | C | Temperature |
| MR-AP-MW-7S | 1/30/2018 8:52 | 1.14 | NTU | Turbidity |
| MR-AP-MW-7S | 1/30/2018 8:57 | 898.6 | uS/cm | Conductivity |
| MR-AP-MW-7S | 1/30/2018 8:57 | 15.65 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 1/30/2018 8:57 | 0.47 | mg/L | DO |
| MR-AP-MW-7S | 1/30/2018 8:57 | -60.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 1/30/2018 8:57 | 6.54 | pH | pH |
| MR-AP-MW-7S | 1/30/2018 8:57 | 16.16 | C | Temperature |
| MR-AP-MW-7S | 1/30/2018 8:57 | 1 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-8D | 1/30/2018 10:42 | 1027.2 | uS/cm | Conductivity |
| MR-AP-MW-8D | 1/30/2018 10:42 | 45.02 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 1/30/2018 10:42 | 0.46 | mg/L | DO |
| MR-AP-MW-8D | 1/30/2018 10:42 | -6.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 1/30/2018 10:42 | 6.59 | pH | pH |
| MR-AP-MW-8D | 1/30/2018 10:42 | 16.43 | C | Temperature |
| MR-AP-MW-8D | 1/30/2018 10:42 | 0.97 | NTU | Turbidity |
| MR-AP-MW-8D | 1/30/2018 10:47 | 1028.2 | uS/cm | Conductivity |
| MR-AP-MW-8D | 1/30/2018 10:47 | 45.12 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 1/30/2018 10:47 | 0.36 | mg/L | DO |
| MR-AP-MW-8D | 1/30/2018 10:47 | -4.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 1/30/2018 10:47 | 6.57 | pH | pH |
| MR-AP-MW-8D | 1/30/2018 10:47 | 16.5 | C | Temperature |
| MR-AP-MW-8D | 1/30/2018 10:47 | 1.01 | NTU | Turbidity |
| MR-AP-MW-8D | 1/30/2018 10:52 | 1035.6 | uS/cm | Conductivity |
| MR-AP-MW-8D | 1/30/2018 10:52 | 45.22 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 1/30/2018 10:52 | 0.32 | mg/L | DO |
| MR-AP-MW-8D | 1/30/2018 10:52 | -2.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 1/30/2018 10:52 | 6.5 | pH | pH |
| MR-AP-MW-8D | 1/30/2018 10:52 | 16.58 | C | Temperature |
| MR-AP-MW-8D | 1/30/2018 10:52 | 0.97 | NTU | Turbidity |
| MR-AP-MW-8D | 1/30/2018 10:57 | 1032.3 | uS/cm | Conductivity |
| MR-AP-MW-8D | 1/30/2018 10:57 | 45.28 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 1/30/2018 10:57 | 0.29 | mg/L | DO |
| MR-AP-MW-8D | 1/30/2018 10:57 | -0.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 1/30/2018 10:57 | 6.46 | pH | pH |
| MR-AP-MW-8D | 1/30/2018 10:57 | 16.92 | C | Temperature |
| MR-AP-MW-8D | 1/30/2018 10:57 | 1.11 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-8S | 1/30/2018 9:46 | 1091.1 | uS/cm | Conductivity |
| MR-AP-MW-8S | 1/30/2018 9:46 | 39.12 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 1/30/2018 9:46 | 0.73 | mg/L | DO |
| MR-AP-MW-8S | 1/30/2018 9:46 | -11.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 1/30/2018 9:46 | 6.8 | pH | pH |
| MR-AP-MW-8S | 1/30/2018 9:46 | 17.33 | C | Temperature |
| MR-AP-MW-8S | 1/30/2018 9:46 | 0.65 | NTU | Turbidity |
| MR-AP-MW-8S | 1/30/2018 9:51 | 1094.5 | uS/cm | Conductivity |
| MR-AP-MW-8S | 1/30/2018 9:51 | 39.17 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 1/30/2018 9:51 | 0.19 | mg/L | DO |
| MR-AP-MW-8S | 1/30/2018 9:51 | -8.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 1/30/2018 9:51 | 6.8 | pH | pH |
| MR-AP-MW-8S | 1/30/2018 9:51 | 17.52 | C | Temperature |
| MR-AP-MW-8S | 1/30/2018 9:51 | 0.67 | NTU | Turbidity |
| MR-AP-MW-8S | 1/30/2018 9:56 | 1099 | uS/cm | Conductivity |
| MR-AP-MW-8S | 1/30/2018 9:56 | 39.18 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 1/30/2018 9:56 | 0.17 | mg/L | DO |
| MR-AP-MW-8S | 1/30/2018 9:56 | -1.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 1/30/2018 9:56 | 6.79 | pH | pH |
| MR-AP-MW-8S | 1/30/2018 9:56 | 17.63 | C | Temperature |
| MR-AP-MW-8S | 1/30/2018 9:56 | 0.59 | NTU | Turbidity |
| MR-AP-MW-8S | 1/30/2018 10:01 | 1101.1 | uS/cm | Conductivity |
| MR-AP-MW-8S | 1/30/2018 10:01 | 39.18 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 1/30/2018 10:01 | 0.17 | mg/L | DO |
| MR-AP-MW-8S | 1/30/2018 10:01 | 5.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 1/30/2018 10:01 | 6.79 | pH | pH |
| MR-AP-MW-8S | 1/30/2018 10:01 | 17.59 | C | Temperature |
| MR-AP-MW-8S | 1/30/2018 10:01 | 0.58 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-9D | 1/30/2018 11:44 | 1059.6 | uS/cm | Conductivity |
| MR-AP-MW-9D | 1/30/2018 11:44 | 37.1 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 1/30/2018 11:44 | 0.21 | mg/L | DO |
| MR-AP-MW-9D | 1/30/2018 11:44 | -89.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 1/30/2018 11:44 | 5.87 | pH | pH |
| MR-AP-MW-9D | 1/30/2018 11:44 | 18.12 | C | Temperature |
| MR-AP-MW-9D | 1/30/2018 11:44 | 1.84 | NTU | Turbidity |
| MR-AP-MW-9D | 1/30/2018 11:49 | 1058.9 | uS/cm | Conductivity |
| MR-AP-MW-9D | 1/30/2018 11:49 | 37.1 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 1/30/2018 11:49 | 0.18 | mg/L | DO |
| MR-AP-MW-9D | 1/30/2018 11:49 | -49.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 1/30/2018 11:49 | 5.83 | pH | pH |
| MR-AP-MW-9D | 1/30/2018 11:49 | 18.17 | C | Temperature |
| MR-AP-MW-9D | 1/30/2018 11:49 | 1.54 | NTU | Turbidity |
| MR-AP-MW-9D | 1/30/2018 11:54 | 1057.8 | uS/cm | Conductivity |
| MR-AP-MW-9D | 1/30/2018 11:54 | 37.11 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 1/30/2018 11:54 | 0.17 | mg/L | DO |
| MR-AP-MW-9D | 1/30/2018 11:54 | -30.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 1/30/2018 11:54 | 5.81 | pH | pH |
| MR-AP-MW-9D | 1/30/2018 11:54 | 18.21 | C | Temperature |
| MR-AP-MW-9D | 1/30/2018 11:54 | 1.5 | NTU | Turbidity |
| MR-AP-MW-9D | 1/30/2018 11:59 | 1057.3 | uS/cm | Conductivity |
| MR-AP-MW-9D | 1/30/2018 11:59 | 37.12 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 1/30/2018 11:59 | 0.17 | mg/L | DO |
| MR-AP-MW-9D | 1/30/2018 11:59 | -19.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 1/30/2018 11:59 | 5.79 | pH | pH |
| MR-AP-MW-9D | 1/30/2018 11:59 | 18.22 | C | Temperature |
| MR-AP-MW-9D | 1/30/2018 11:59 | 1.36 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|-------|-------|-------------------------------|
| MR-AP-MW-9S | 1/30/2018 12:47 | 468.7 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 12:47 | 28.96 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 12:47 | 5.19 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 12:47 | 100.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 12:47 | 5.94 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 12:47 | 19.51 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 12:47 | 3.12 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 12:52 | 474.3 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 12:52 | 29.73 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 12:52 | 5.12 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 12:52 | 101.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 12:52 | 5.94 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 12:52 | 19.68 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 12:52 | 1.34 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 12:57 | 481.6 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 12:57 | 30.5 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 12:57 | 4.91 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 12:57 | 99.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 12:57 | 5.96 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 12:57 | 19.64 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 12:57 | 1 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:02 | 491.7 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:02 | 30.71 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:02 | 4.87 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:02 | 100.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:02 | 5.95 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:02 | 19.66 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:02 | 0.96 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:07 | 503.8 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:07 | 31.19 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:07 | 4.85 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:07 | 101.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:07 | 5.94 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:07 | 19.61 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:07 | 0.9 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:12 | 518.5 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:12 | 31.51 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:12 | 4.82 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:12 | 102.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:12 | 5.93 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:12 | 19.64 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:12 | 1.17 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:17 | 528.6 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:17 | 31.75 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|-------|-------|-------------------------------|
| MR-AP-MW-9S | 1/30/2018 13:17 | 4.73 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:17 | 102.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:17 | 5.92 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:17 | 19.7 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:17 | 0.91 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:22 | 540.8 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:22 | 31.96 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:22 | 4.64 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:22 | 102.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:22 | 5.91 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:22 | 19.71 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:22 | 0.89 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:27 | 552.8 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:27 | 32.13 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:27 | 4.49 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:27 | 102.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:27 | 5.9 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:27 | 19.7 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:27 | 0.89 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:32 | 563.1 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:32 | 32.27 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:32 | 4.36 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:32 | 102.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:32 | 5.89 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:32 | 19.64 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:32 | 1.01 | NTU | Turbidity |
| MR-AP-MW-9S | 1/30/2018 13:37 | 573.7 | uS/cm | Conductivity |
| MR-AP-MW-9S | 1/30/2018 13:37 | 32.41 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 1/30/2018 13:37 | 4.28 | mg/L | DO |
| MR-AP-MW-9S | 1/30/2018 13:37 | 101.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 1/30/2018 13:37 | 5.88 | pH | pH |
| MR-AP-MW-9S | 1/30/2018 13:37 | 19.64 | C | Temperature |
| MR-AP-MW-9S | 1/30/2018 13:37 | 0.83 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-10 | 1/31/2018 8:34 | 2001.8 | uS/cm | Conductivity |
| MR-AP-MW-10 | 1/31/2018 8:34 | 127.25 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 1/31/2018 8:34 | 0.53 | mg/L | DO |
| MR-AP-MW-10 | 1/31/2018 8:34 | -87.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 1/31/2018 8:34 | 6.85 | pH | pH |
| MR-AP-MW-10 | 1/31/2018 8:34 | 15.24 | C | Temperature |
| MR-AP-MW-10 | 1/31/2018 8:34 | 1.11 | NTU | Turbidity |
| MR-AP-MW-10 | 1/31/2018 8:39 | 2015.3 | uS/cm | Conductivity |
| MR-AP-MW-10 | 1/31/2018 8:39 | 127.25 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 1/31/2018 8:39 | 0.35 | mg/L | DO |
| MR-AP-MW-10 | 1/31/2018 8:39 | -75 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 1/31/2018 8:39 | 6.83 | pH | pH |
| MR-AP-MW-10 | 1/31/2018 8:39 | 15.44 | C | Temperature |
| MR-AP-MW-10 | 1/31/2018 8:39 | 0.81 | NTU | Turbidity |
| MR-AP-MW-10 | 1/31/2018 8:44 | 2006.1 | uS/cm | Conductivity |
| MR-AP-MW-10 | 1/31/2018 8:44 | 127.26 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 1/31/2018 8:44 | 0.32 | mg/L | DO |
| MR-AP-MW-10 | 1/31/2018 8:44 | -69.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 1/31/2018 8:44 | 6.82 | pH | pH |
| MR-AP-MW-10 | 1/31/2018 8:44 | 15.48 | C | Temperature |
| MR-AP-MW-10 | 1/31/2018 8:44 | 0.63 | NTU | Turbidity |
| MR-AP-MW-10 | 1/31/2018 8:49 | 1954.6 | uS/cm | Conductivity |
| MR-AP-MW-10 | 1/31/2018 8:49 | 127.26 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 1/31/2018 8:49 | 0.32 | mg/L | DO |
| MR-AP-MW-10 | 1/31/2018 8:49 | -63.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 1/31/2018 8:49 | 6.81 | pH | pH |
| MR-AP-MW-10 | 1/31/2018 8:49 | 15.48 | C | Temperature |
| MR-AP-MW-10 | 1/31/2018 8:49 | 0.58 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 1/30/2018 10:31 | 1417.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 10:31 | 230.47 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 10:31 | 2.59 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 10:31 | -56.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 10:31 | 7.09 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 10:31 | 14.85 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 10:31 | 1.87 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 10:36 | 1415.4 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 10:36 | 230.67 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 10:36 | 1.75 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 10:36 | -43.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 10:36 | 6.82 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 10:36 | 13.91 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 10:36 | 1.21 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 10:41 | 1441.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 10:41 | 230.97 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 10:41 | 0.91 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 10:41 | -41.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 10:41 | 6.67 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 10:41 | 13.72 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 10:41 | 0.99 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 10:46 | 1438 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 10:46 | 231.35 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 10:46 | 0.66 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 10:46 | -40.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 10:46 | 6.61 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 10:46 | 13.77 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 10:46 | 1.12 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 10:51 | 1441.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 10:51 | 231.85 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 10:51 | 0.53 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 10:51 | -39.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 10:51 | 6.58 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 10:51 | 13.88 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 10:51 | 0.64 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 10:56 | 1439.4 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 10:56 | 231.98 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 10:56 | 0.48 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 10:56 | -37.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 10:56 | 6.56 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 10:56 | 13.9 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 10:56 | 0.57 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:01 | 1440.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:01 | 232.31 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 1/30/2018 11:01 | 0.45 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:01 | -35.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:01 | 6.55 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:01 | 13.86 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:01 | 0.48 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:06 | 1440.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:06 | 232.55 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:06 | 0.44 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:06 | -34.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:06 | 6.54 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:06 | 13.79 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:06 | 0.39 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:11 | 1438.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:11 | 232.83 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:11 | 0.43 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:11 | -33.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:11 | 6.54 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:11 | 14.04 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:11 | 0.28 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:16 | 1439.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:16 | 233.12 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:16 | 0.42 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:16 | -32.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:16 | 6.53 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:16 | 13.99 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:16 | 0.26 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:21 | 1432.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:21 | 233.31 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:21 | 0.39 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:21 | -31.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:21 | 6.53 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:21 | 14.3 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:21 | 0.36 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:26 | 1436.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:26 | 233.5 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:26 | 0.39 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:26 | -30.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:26 | 6.53 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:26 | 14.02 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:26 | 0.3 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:31 | 1434.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:31 | 233.73 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:31 | 0.38 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:31 | -29.5 | mv | Oxidation Reduction Potential |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 1/30/2018 11:31 | 6.53 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:31 | 14.09 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:31 | 0.28 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:36 | 1434.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:36 | 233.92 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:36 | 0.36 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:36 | -28.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:36 | 6.52 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:36 | 14.05 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:36 | 0.25 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:41 | 1427 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:41 | 234.07 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:41 | 0.35 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:41 | -29 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:41 | 6.51 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:41 | 14.16 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:41 | 1.01 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:46 | 1403.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:46 | 234.23 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:46 | 0.36 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:46 | -33.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:46 | 6.51 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:46 | 14.16 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:46 | 4.45 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:51 | 1389.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:51 | 234.42 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:51 | 0.37 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:51 | -44.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:51 | 6.63 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:51 | 14.22 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:51 | 9.31 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 11:56 | 1385.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 11:56 | 234.58 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 11:56 | 0.37 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 11:56 | -59.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 11:56 | 6.8 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 11:56 | 14.07 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 11:56 | 7.2 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 12:01 | 1375 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 12:01 | 234.69 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 12:01 | 0.36 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 12:01 | -69.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 12:01 | 6.95 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 12:01 | 14.24 | C | Temperature |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-11 | 1/30/2018 12:01 | 6.94 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 12:07 | 1371.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 12:07 | 234.75 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 12:07 | 0.36 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 12:07 | -72.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 12:07 | 7.05 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 12:07 | 14.12 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 12:07 | 7.5 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 12:12 | 1372.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 12:12 | 234.77 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 12:12 | 0.37 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 12:12 | -70.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 12:12 | 7.09 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 12:12 | 13.68 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 12:12 | 6.1 | NTU | Turbidity |
| MR-AP-MW-11 | 1/30/2018 12:17 | 1374.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 1/30/2018 12:17 | 234.88 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 1/30/2018 12:17 | 0.33 | mg/L | DO |
| MR-AP-MW-11 | 1/30/2018 12:17 | -70.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 1/30/2018 12:17 | 7.09 | pH | pH |
| MR-AP-MW-11 | 1/30/2018 12:17 | 14.4 | C | Temperature |
| MR-AP-MW-11 | 1/30/2018 12:17 | 6.52 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-12 | 1/30/2018 14:23 | 2721.3 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:23 | 89.14 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:23 | 1.71 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:23 | -4.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:23 | 6.62 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:23 | 16.27 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:23 | 2.91 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:28 | 2707.9 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:28 | 89.57 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:28 | 0.94 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:28 | 6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:28 | 6.56 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:28 | 16.92 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:28 | 1.44 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:33 | 2677.6 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:33 | 89.95 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:33 | 0.71 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:33 | 5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:33 | 6.55 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:33 | 17.05 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:33 | 1.01 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:38 | 2564.4 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:38 | 90.21 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:38 | 0.62 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:38 | 1.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:38 | 6.55 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:38 | 17.19 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:38 | 0.81 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:43 | 2538.8 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:43 | 90.45 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:43 | 0.58 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:43 | -1.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:43 | 6.57 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:43 | 17.38 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:43 | 0.77 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:48 | 2566.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:48 | 90.61 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:48 | 0.6 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:48 | -2.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:48 | 6.59 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:48 | 17.22 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:48 | 0.79 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:53 | 2600.4 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:53 | 90.75 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-12 | 1/30/2018 14:53 | 0.63 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:53 | -3.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:53 | 6.59 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:53 | 17.46 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:53 | 0.71 | NTU | Turbidity |
| MR-AP-MW-12 | 1/30/2018 14:58 | 2635.8 | uS/cm | Conductivity |
| MR-AP-MW-12 | 1/30/2018 14:58 | 90.85 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 1/30/2018 14:58 | 0.63 | mg/L | DO |
| MR-AP-MW-12 | 1/30/2018 14:58 | -3.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 1/30/2018 14:58 | 6.59 | pH | pH |
| MR-AP-MW-12 | 1/30/2018 14:58 | 17.41 | C | Temperature |
| MR-AP-MW-12 | 1/30/2018 14:58 | 0.7 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-13D | 1/31/2018 12:06 | 502 | uS/cm | Conductivity |
| MR-AP-MW-13D | 1/31/2018 12:06 | 34.81 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 1/31/2018 12:06 | 0.2 | mg/L | DO |
| MR-AP-MW-13D | 1/31/2018 12:06 | -42.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 1/31/2018 12:06 | 6.81 | pH | pH |
| MR-AP-MW-13D | 1/31/2018 12:06 | 17.28 | C | Temperature |
| MR-AP-MW-13D | 1/31/2018 12:06 | 0.69 | NTU | Turbidity |
| MR-AP-MW-13D | 1/31/2018 12:11 | 501.8 | uS/cm | Conductivity |
| MR-AP-MW-13D | 1/31/2018 12:11 | 34.89 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 1/31/2018 12:11 | 0.15 | mg/L | DO |
| MR-AP-MW-13D | 1/31/2018 12:11 | -42.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 1/31/2018 12:11 | 6.81 | pH | pH |
| MR-AP-MW-13D | 1/31/2018 12:11 | 17.2 | C | Temperature |
| MR-AP-MW-13D | 1/31/2018 12:11 | 0.58 | NTU | Turbidity |
| MR-AP-MW-13D | 1/31/2018 12:16 | 501.7 | uS/cm | Conductivity |
| MR-AP-MW-13D | 1/31/2018 12:16 | 34.95 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 1/31/2018 12:16 | 0.14 | mg/L | DO |
| MR-AP-MW-13D | 1/31/2018 12:16 | -43.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 1/31/2018 12:16 | 6.82 | pH | pH |
| MR-AP-MW-13D | 1/31/2018 12:16 | 17.19 | C | Temperature |
| MR-AP-MW-13D | 1/31/2018 12:16 | 0.6 | NTU | Turbidity |
| MR-AP-MW-13D | 1/31/2018 12:21 | 502.4 | uS/cm | Conductivity |
| MR-AP-MW-13D | 1/31/2018 12:21 | 34.99 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 1/31/2018 12:21 | 0.14 | mg/L | DO |
| MR-AP-MW-13D | 1/31/2018 12:21 | -42.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 1/31/2018 12:21 | 6.81 | pH | pH |
| MR-AP-MW-13D | 1/31/2018 12:21 | 17.23 | C | Temperature |
| MR-AP-MW-13D | 1/31/2018 12:21 | 0.51 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-13S | 1/31/2018 11:12 | 442.5 | uS/cm | Conductivity |
| MR-AP-MW-13S | 1/31/2018 11:12 | 16.45 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 1/31/2018 11:12 | 0.15 | mg/L | DO |
| MR-AP-MW-13S | 1/31/2018 11:12 | 40.4 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13S | 1/31/2018 11:12 | 5.66 | pH | pH |
| MR-AP-MW-13S | 1/31/2018 11:12 | 17.76 | C | Temperature |
| MR-AP-MW-13S | 1/31/2018 11:12 | 4.28 | NTU | Turbidity |
| MR-AP-MW-13S | 1/31/2018 11:17 | 439.4 | uS/cm | Conductivity |
| MR-AP-MW-13S | 1/31/2018 11:17 | 16.72 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 1/31/2018 11:17 | 0.13 | mg/L | DO |
| MR-AP-MW-13S | 1/31/2018 11:17 | 39.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13S | 1/31/2018 11:17 | 5.66 | pH | pH |
| MR-AP-MW-13S | 1/31/2018 11:17 | 17.72 | C | Temperature |
| MR-AP-MW-13S | 1/31/2018 11:17 | 3.12 | NTU | Turbidity |
| MR-AP-MW-13S | 1/31/2018 11:22 | 429.8 | uS/cm | Conductivity |
| MR-AP-MW-13S | 1/31/2018 11:22 | 16.88 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 1/31/2018 11:22 | 0.12 | mg/L | DO |
| MR-AP-MW-13S | 1/31/2018 11:22 | 38.9 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13S | 1/31/2018 11:22 | 5.66 | pH | pH |
| MR-AP-MW-13S | 1/31/2018 11:22 | 17.73 | C | Temperature |
| MR-AP-MW-13S | 1/31/2018 11:22 | 1.58 | NTU | Turbidity |
| MR-AP-MW-13S | 1/31/2018 11:27 | 420 | uS/cm | Conductivity |
| MR-AP-MW-13S | 1/31/2018 11:27 | 16.97 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 1/31/2018 11:27 | 0.11 | mg/L | DO |
| MR-AP-MW-13S | 1/31/2018 11:27 | 38.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13S | 1/31/2018 11:27 | 5.67 | pH | pH |
| MR-AP-MW-13S | 1/31/2018 11:27 | 17.77 | C | Temperature |
| MR-AP-MW-13S | 1/31/2018 11:27 | 1.63 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-14 | 1/30/2018 16:06 | 348.5 | uS/cm | Conductivity |
| MR-AP-MW-14 | 1/30/2018 16:06 | 20.9 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 1/30/2018 16:06 | 0.1 | mg/L | DO |
| MR-AP-MW-14 | 1/30/2018 16:06 | -5.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 1/30/2018 16:06 | 6.4 | pH | pH |
| MR-AP-MW-14 | 1/30/2018 16:06 | 18.26 | C | Temperature |
| MR-AP-MW-14 | 1/30/2018 16:06 | 0.64 | NTU | Turbidity |
| MR-AP-MW-14 | 1/30/2018 16:11 | 344.6 | uS/cm | Conductivity |
| MR-AP-MW-14 | 1/30/2018 16:11 | 20.93 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 1/30/2018 16:11 | 0.1 | mg/L | DO |
| MR-AP-MW-14 | 1/30/2018 16:11 | -6.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 1/30/2018 16:11 | 6.4 | pH | pH |
| MR-AP-MW-14 | 1/30/2018 16:11 | 18.02 | C | Temperature |
| MR-AP-MW-14 | 1/30/2018 16:11 | 0.68 | NTU | Turbidity |
| MR-AP-MW-14 | 1/30/2018 16:16 | 340.2 | uS/cm | Conductivity |
| MR-AP-MW-14 | 1/30/2018 16:16 | 21.05 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 1/30/2018 16:16 | 0.09 | mg/L | DO |
| MR-AP-MW-14 | 1/30/2018 16:16 | -7.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 1/30/2018 16:16 | 6.4 | pH | pH |
| MR-AP-MW-14 | 1/30/2018 16:16 | 18.13 | C | Temperature |
| MR-AP-MW-14 | 1/30/2018 16:16 | 1.01 | NTU | Turbidity |
| MR-AP-MW-14 | 1/30/2018 16:21 | 338.2 | uS/cm | Conductivity |
| MR-AP-MW-14 | 1/30/2018 16:21 | 21.1 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 1/30/2018 16:21 | 0.09 | mg/L | DO |
| MR-AP-MW-14 | 1/30/2018 16:21 | -7.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 1/30/2018 16:21 | 6.4 | pH | pH |
| MR-AP-MW-14 | 1/30/2018 16:21 | 18.14 | C | Temperature |
| MR-AP-MW-14 | 1/30/2018 16:21 | 0.99 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|-------|-------|-------------------------------|
| MR-AP-MW-15 | 1/31/2018 9:46 | 409.3 | uS/cm | Conductivity |
| MR-AP-MW-15 | 1/31/2018 9:46 | 13.1 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 1/31/2018 9:46 | 0.19 | mg/L | DO |
| MR-AP-MW-15 | 1/31/2018 9:46 | -51.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 1/31/2018 9:46 | 6.46 | pH | pH |
| MR-AP-MW-15 | 1/31/2018 9:46 | 18.88 | C | Temperature |
| MR-AP-MW-15 | 1/31/2018 9:46 | 16.3 | NTU | Turbidity |
| MR-AP-MW-15 | 1/31/2018 9:51 | 402.4 | uS/cm | Conductivity |
| MR-AP-MW-15 | 1/31/2018 9:51 | 13.16 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 1/31/2018 9:51 | 0.17 | mg/L | DO |
| MR-AP-MW-15 | 1/31/2018 9:51 | -51.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 1/31/2018 9:51 | 6.47 | pH | pH |
| MR-AP-MW-15 | 1/31/2018 9:51 | 18.89 | C | Temperature |
| MR-AP-MW-15 | 1/31/2018 9:51 | 14.4 | NTU | Turbidity |
| MR-AP-MW-15 | 1/31/2018 9:56 | 394.4 | uS/cm | Conductivity |
| MR-AP-MW-15 | 1/31/2018 9:56 | 13.21 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 1/31/2018 9:56 | 0.17 | mg/L | DO |
| MR-AP-MW-15 | 1/31/2018 9:56 | -49.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 1/31/2018 9:56 | 6.48 | pH | pH |
| MR-AP-MW-15 | 1/31/2018 9:56 | 18.97 | C | Temperature |
| MR-AP-MW-15 | 1/31/2018 9:56 | 9.83 | NTU | Turbidity |
| MR-AP-MW-15 | 1/31/2018 10:01 | 389.3 | uS/cm | Conductivity |
| MR-AP-MW-15 | 1/31/2018 10:01 | 13.27 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 1/31/2018 10:01 | 0.18 | mg/L | DO |
| MR-AP-MW-15 | 1/31/2018 10:01 | -47.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 1/31/2018 10:01 | 6.49 | pH | pH |
| MR-AP-MW-15 | 1/31/2018 10:01 | 18.91 | C | Temperature |
| MR-AP-MW-15 | 1/31/2018 10:01 | 7.28 | NTU | Turbidity |
| MR-AP-MW-15 | 1/31/2018 10:06 | 385.1 | uS/cm | Conductivity |
| MR-AP-MW-15 | 1/31/2018 10:06 | 13.3 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 1/31/2018 10:06 | 0.19 | mg/L | DO |
| MR-AP-MW-15 | 1/31/2018 10:06 | -46.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 1/31/2018 10:06 | 6.49 | pH | pH |
| MR-AP-MW-15 | 1/31/2018 10:06 | 18.93 | C | Temperature |
| MR-AP-MW-15 | 1/31/2018 10:06 | 5.55 | NTU | Turbidity |
| MR-AP-MW-15 | 1/31/2018 10:11 | 382 | uS/cm | Conductivity |
| MR-AP-MW-15 | 1/31/2018 10:11 | 13.32 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 1/31/2018 10:11 | 0.21 | mg/L | DO |
| MR-AP-MW-15 | 1/31/2018 10:11 | -44.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 1/31/2018 10:11 | 6.5 | pH | pH |
| MR-AP-MW-15 | 1/31/2018 10:11 | 18.93 | C | Temperature |
| MR-AP-MW-15 | 1/31/2018 10:11 | 4.24 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-16 | 1/30/2018 15:13 | 1094.5 | uS/cm | Conductivity |
| MR-AP-MW-16 | 1/30/2018 15:13 | 30.37 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 1/30/2018 15:13 | 6.35 | mg/L | DO |
| MR-AP-MW-16 | 1/30/2018 15:13 | 143.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 1/30/2018 15:13 | 5.96 | pH | pH |
| MR-AP-MW-16 | 1/30/2018 15:13 | 20.12 | C | Temperature |
| MR-AP-MW-16 | 1/30/2018 15:13 | 0.83 | NTU | Turbidity |
| MR-AP-MW-16 | 1/30/2018 15:18 | 1094.8 | uS/cm | Conductivity |
| MR-AP-MW-16 | 1/30/2018 15:18 | 30.37 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 1/30/2018 15:18 | 6.29 | mg/L | DO |
| MR-AP-MW-16 | 1/30/2018 15:18 | 155.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 1/30/2018 15:18 | 5.96 | pH | pH |
| MR-AP-MW-16 | 1/30/2018 15:18 | 20.13 | C | Temperature |
| MR-AP-MW-16 | 1/30/2018 15:18 | 0.43 | NTU | Turbidity |
| MR-AP-MW-16 | 1/30/2018 15:23 | 1096.3 | uS/cm | Conductivity |
| MR-AP-MW-16 | 1/30/2018 15:23 | 30.37 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 1/30/2018 15:23 | 6.18 | mg/L | DO |
| MR-AP-MW-16 | 1/30/2018 15:23 | 158.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 1/30/2018 15:23 | 5.96 | pH | pH |
| MR-AP-MW-16 | 1/30/2018 15:23 | 20.19 | C | Temperature |
| MR-AP-MW-16 | 1/30/2018 15:23 | 0.35 | NTU | Turbidity |
| MR-AP-MW-16 | 1/30/2018 15:28 | 1097.5 | uS/cm | Conductivity |
| MR-AP-MW-16 | 1/30/2018 15:28 | 30.37 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 1/30/2018 15:28 | 6.02 | mg/L | DO |
| MR-AP-MW-16 | 1/30/2018 15:28 | 164.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 1/30/2018 15:28 | 5.95 | pH | pH |
| MR-AP-MW-16 | 1/30/2018 15:28 | 20.17 | C | Temperature |
| MR-AP-MW-16 | 1/30/2018 15:28 | 0.21 | NTU | Turbidity |

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Field Case Narrative



Miller Ash Pond

2018 Compliance Event 1

All samples were collected using methods defined in Alabama Power's Water Field Group Low-Flow Groundwater Sampling Procedure and the associated site-specific Sampling and Analysis Plan (SAP).

Field quality control procedures were performed as follows:

- Blanks and Sample Duplicates were collected as described in the SAP.
- Calibration verification for all required field parameters were performed daily, before and after sample collection.

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Analytical Report



Sample Group : WMWMILAP_1150
Project/Site : Miller Ash Pond
Quinton, AL 35130
For : Southern Company Services
3535 Colonnade Parkway
Birmingham, AL 35243
Attention : Dustin Brooks & Greg Dyer
Released By : Sarah Copeland
sgcopela@southernco.com
(205) 664-6121

The following data has been reviewed and approved by:

Quality Control: Sarah Copeland
Digitally signed by Sarah Copeland
DN: cn=Sarah Copeland, o, ou,
email=sgcopela@southernco.com,
c=US
Date: 2018.06.08 11:31:13 -05'00'

Supervision: T. Durant Maske
Digitally signed by T. Durant Maske
DN: cn=T. Durant Maske, o=Alabama
Power Company, ou=Environmental
Affairs, email=tdmaske@southernco.com,
c=US
Date: 2018.06.08 12:10:28 -05'00'



Metals ICP

Miller Ash Pond

WMWMILAP_1150

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY11116 | 20180522A | WMWMILAP_1150 |
| AY11117 | 20180522A | WMWMILAP_1150 |
| AY11118 | 20180522A | WMWMILAP_1150 |
| AY11119 | 20180522A | WMWMILAP_1150 |
| AY11120 | 20180522A | WMWMILAP_1150 |
| AY11121 | 20180522A | WMWMILAP_1150 |
| AY11122 | 20180522A | WMWMILAP_1150 |
| AY11123 | 20180522A | WMWMILAP_1150 |
| AY11124 | 20180522A | WMWMILAP_1150 |
| AY11125 | 20180522A | WMWMILAP_1150 |
| AY11126 | 20180522B | WMWMILAP_1150 |
| AY11127 | 20180522B | WMWMILAP_1150 |
| AY11128 | 20180522B | WMWMILAP_1150 |
| AY11129 | 20180522B | WMWMILAP_1150 |
| AY11130 | 20180522B | WMWMILAP_1150 |
| AY11131 | 20180522B | WMWMILAP_1150 |
| AY11132 | 20180522B | WMWMILAP_1150 |
| AY11133 | 20180522B | WMWMILAP_1150 |
| AY11134 | 20180522B | WMWMILAP_1150 |
| AY11135 | 20180522B | WMWMILAP_1150 |
| AY11136 | 20180522C | WMWMILAP_1150 |
| AY11137 | 20180522C | WMWMILAP_1150 |
| AY11138 | 20180522C | WMWMILAP_1150 |
| AY11139 | 20180522C | WMWMILAP_1150 |
| AY11140 | 20180522C | WMWMILAP_1150 |
| AY11141 | 20180522C | WMWMILAP_1150 |
| AY11142 | 20180522C | WMWMILAP_1150 |
| AY11143 | 20180522C | WMWMILAP_1150 |
| AY11144 | 20180522C | WMWMILAP_1150 |

4. All of the above samples were analyzed by EPA 200.7 and prepared by EPA 1638.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.



General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and passed, except for Calcium and Lithium. Analysis of new ICV was analyzed prior to sample analysis and passed all criteria.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The spectral interference check associated with EPA 200.7 was analyzed and all acceptance criteria were met.
- All sample internal standard criteria were met.
- The high standard readbacks associated with EPA 200.7 were within acceptance criteria.
- It is noted that the QC summary page typically provides the QC results from the original batch analytical sequence. If dilutions were subsequently performed to bring sample concentrations within the calibration range, any additional QC data from the dilution analyses may need to be obtained from the laboratory. Any qualifications applied to original analyses or dilution re-analyses are based upon QC data available at the time of review.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for accuracy were met, with the following exception:

| <u>Analyte</u> | <u>Sample ID</u> |
|----------------|------------------|
| Calcium | AY11144 |

The concentrations of the sample matrix spike/matrix spike duplicate added before digestion is less than 30 percent of the sample concentration, causing inaccurate spike recovery information. The laboratory control sample indicates that the digestion and analysis were in control.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.



7. All samples were analyzed at a x2.03 dilution to compensate for potential matrix effects. The following samples were diluted due to analyzed sample concentration over the high standard of the calibration curve.

| <u>Sample ID</u> | <u>Analyte</u> | <u>Dilution Factor</u> |
|------------------|----------------|------------------------|
| AY11117 | Calcium | x10.15 |
| AY11118 | Calcium | x10.15 |
| AY11124 | Calcium | x10.15 |
| AY11131 | Calcium | x10.15 |
| AY11132 | Calcium | x10.15 |
| AY11133 | Calcium | x10.15 |
| AY11134 | Calcium | x10.15 |
| AY11137 | Calcium | x10.15 |
| AY11138 | Calcium | x10.15 |
| AY11140 | Calcium | x10.15 |
| AY11141 | Calcium | x10.15 |
| AY11142 | Calcium | x10.15 |
| AY11144 | Calcium | x10.15 |
| AY11144MS | Calcium | x10.15 |
| AY11144MSD | Calcium | x10.15 |

8. The raw data results include results corrected for dilution.



Metals ICPMS

Miller Ash Pond

WMWMILAP_1150

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY11116 | 619955 | WMWMILAP_1150 |
| AY11117 | 619955 | WMWMILAP_1150 |
| AY11118 | 619955 | WMWMILAP_1150 |
| AY11119 | 619955 | WMWMILAP_1150 |
| AY11120 | 619955 | WMWMILAP_1150 |
| AY11121 | 619955 | WMWMILAP_1150 |
| AY11122 | 619955 | WMWMILAP_1150 |
| AY11123 | 619955 | WMWMILAP_1150 |
| AY11124 | 619955 | WMWMILAP_1150 |
| AY11125 | 619955 | WMWMILAP_1150 |
| AY11126 | 619956 | WMWMILAP_1150 |
| AY11127 | 619956 | WMWMILAP_1150 |
| AY11128 | 619956 | WMWMILAP_1150 |
| AY11129 | 619956 | WMWMILAP_1150 |
| AY11130 | 619956 | WMWMILAP_1150 |
| AY11131 | 619956 | WMWMILAP_1150 |
| AY11132 | 619956 | WMWMILAP_1150 |
| AY11133 | 619956 | WMWMILAP_1150 |
| AY11134 | 619956 | WMWMILAP_1150 |
| AY11135 | 619956 | WMWMILAP_1150 |
| AY11136 | 619957 | WMWMILAP_1150 |
| AY11137 | 619957 | WMWMILAP_1150 |
| AY11138 | 619957 | WMWMILAP_1150 |
| AY11139 | 619957 | WMWMILAP_1150 |
| AY11140 | 619957 | WMWMILAP_1150 |
| AY11141 | 619957 | WMWMILAP_1150 |
| AY11142 | 619957 | WMWMILAP_1150 |
| AY11143 | 619957 | WMWMILAP_1150 |
| AY11144 | 619957 | WMWMILAP_1150 |

4. All of the above samples were analyzed by EPA 200.8 and prepared by EPA 1638.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.



General Quality Control Procedures:

- All tune and calibration met criteria for all requested analytes.
- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The interference check samples associated with EPA 200.8 were analyzed and passed for all requested analytes.
- All sample internal standard criteria were met.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for precision were met.
7. All samples were analyzed at a dilution of 1 to 5 to compensate for any matrix effects.
 8. The raw data results are shown with dilution factors included.



Mercury

Miller Ash Pond

WMWMILAP_1150

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY11116 | 619965 | WMWMILAP_1150 |
| AY11117 | 619965 | WMWMILAP_1150 |
| AY11118 | 619965 | WMWMILAP_1150 |
| AY11119 | 619965 | WMWMILAP_1150 |
| AY11120 | 619965 | WMWMILAP_1150 |
| AY11121 | 619965 | WMWMILAP_1150 |
| AY11122 | 619965 | WMWMILAP_1150 |
| AY11123 | 619965 | WMWMILAP_1150 |
| AY11124 | 619965 | WMWMILAP_1150 |
| AY11125 | 619965 | WMWMILAP_1150 |
| AY11126 | 619966 | WMWMILAP_1150 |
| AY11127 | 619966 | WMWMILAP_1150 |
| AY11128 | 619966 | WMWMILAP_1150 |
| AY11129 | 619966 | WMWMILAP_1150 |
| AY11130 | 619966 | WMWMILAP_1150 |
| AY11131 | 619966 | WMWMILAP_1150 |
| AY11132 | 619966 | WMWMILAP_1150 |
| AY11133 | 619966 | WMWMILAP_1150 |
| AY11134 | 619966 | WMWMILAP_1150 |
| AY11135 | 619966 | WMWMILAP_1150 |
| AY11136 | 619967 | WMWMILAP_1150 |
| AY11137 | 619967 | WMWMILAP_1150 |
| AY11138 | 619967 | WMWMILAP_1150 |
| AY11139 | 619967 | WMWMILAP_1150 |
| AY11140 | 619967 | WMWMILAP_1150 |
| AY11141 | 619967 | WMWMILAP_1150 |
| AY11142 | 619967 | WMWMILAP_1150 |
| AY11143 | 619967 | WMWMILAP_1150 |
| AY11144 | 619967 | WMWMILAP_1150 |

4. All of the above samples were analyzed and prepared by EPA 245.1.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.



General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the method detection limit for the requested analyte.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analyte.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analyte.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch was below the limit of quantitation for the requested analyte.
- All calibration met criteria for the requested analyte.
- All response signals were satisfactory.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met except for AY11125. AY11125 matrix spike failed, but the matrix spike duplicate passed. AY11125 matrix spike was rerun to verify failure. No matrix interference suspected and all results reported since the LCS also passed.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met except for AY11125. Precision failed due to the matrix spike failure.
7. All samples were analyzed without a dilution.
 8. The raw data results are shown with dilution factors included.



TDS

Miller Ash Pond

WMWMILAP_1150

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY11116 | 619648 | WMWMILAP_1150 |
| AY11117 | 619648 | WMWMILAP_1150 |
| AY11118 | 619648 | WMWMILAP_1150 |
| AY11119 | 619649 | WMWMILAP_1150 |
| AY11120 | 619649 | WMWMILAP_1150 |
| AY11121 | 619649 | WMWMILAP_1150 |
| AY11122 | 619649 | WMWMILAP_1150 |
| AY11123 | 619649 | WMWMILAP_1150 |
| AY11124 | 619649 | WMWMILAP_1150 |
| AY11125 | 619649 | WMWMILAP_1150 |
| AY11126 | 619649 | WMWMILAP_1150 |
| AY11127 | 619649 | WMWMILAP_1150 |
| AY11128 | 619996 | WMWMILAP_1150 |
| AY11129 | 619996 | WMWMILAP_1150 |
| AY11130 | 619996 | WMWMILAP_1150 |
| AY11131 | 619996 | WMWMILAP_1150 |
| AY11132 | 619996 | WMWMILAP_1150 |
| AY11133 | 619996 | WMWMILAP_1150 |
| AY11134 | 619996 | WMWMILAP_1150 |
| AY11135 | 619996 | WMWMILAP_1150 |
| AY11136 | 619996 | WMWMILAP_1150 |
| AY11137 | 619996 | WMWMILAP_1150 |
| AY11138 | 619997 | WMWMILAP_1150 |
| AY11139 | 620079 | WMWMILAP_1150 |
| AY11140 | 619649 | WMWMILAP_1150 |
| AY11141 | 619997 | WMWMILAP_1150 |
| AY11142 | 619997 | WMWMILAP_1150 |
| AY11143 | 619997 | WMWMILAP_1150 |
| AY11144 | 619997 | WMWMILAP_1150 |

4. All of the above samples were analyzed by Standard Method 2540C.
5. All samples were analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.



General Quality Control Procedures:

- A blank was analyzed with each batch. All criteria were met.
- All final weights of samples, standards, and blanks agreed within 0.5mg of the previous weight.
- A sample duplicate was analyzed with each batch. RPD/2 was less than 5%.
- A laboratory control sample was analyzed with each batch. All criteria were met.
- All samples were between 2.5mg and 200mg residue except for AY11119, AY11127, AY11135 & AY11139, which were less than 2.5 mg residue. Maximum volume of 150 ml was filtered.

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY11116

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0710 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.258 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.4 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0187 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | 264 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY11116

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-----------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY11116

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11118 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 766 | 54.0 | 40 to 60 | | 1.32 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY11117

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0264 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 2.83 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 129 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0538 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0256 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00204 | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | J 0.000300 | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 50 | 742 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY11117

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|-----------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | | |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | | 92.2 | 70 to 130 | | 0.0436 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | | 98.7 | 70 to 130 | | 0.874 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | | 68.8 | 70 to 130 | | 33.2 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | | 96.7 | 70 to 130 | | 0.0099920 | |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | | 102 | 70 to 130 | | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | | 85.5 | 70 to 130 | | 1.23 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | | 101 | 70 to 130 | | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | | 99.2 | 70 to 130 | | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | | 96.6 | 70 to 130 | | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | | 99.5 | 70 to 130 | | 2.87 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | | 96.7 | 70 to 130 | | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | | 96.6 | 70 to 130 | | 1.70 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | | 91.8 | 70 to 130 | | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | | 92.4 | 70 to 130 | | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | | 87.8 | 70 to 130 | | 0.720 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY11117

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11118 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 766 | 54.0 | 40 to 60 | | 1.32 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-16 Dup

Laboratory ID Number: AY11118

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0257 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 2.83 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 127 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0537 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0264 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | J 0.000302 | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 50 | 746 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-16 Dup

Laboratory ID Number: AY11118

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|-----------|------------------|-------|------------|-----------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-16 Dup

Laboratory ID Number: AY11118

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | | |
|---------|-------------------|-------|------|-------|-------|-----|-----------|------|----------|------|-------|------|-------|
| | | | | Limit | | | Duplicate | LCS | Limit | Rec | Limit | Prec | Limit |
| AY11118 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 766 | 54.0 | 40 to 60 | | | 1.32 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11119

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11119

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 07-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11119

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|------|----|-------|-------|-----|-----------|------|-----|----------|-------|-------|-------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Limit | | | |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | | 25 | | | 1060 | 54.0 | | 40 to 60 | | | 0.657 | | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY11120

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0753 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.102 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 34.0 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0205 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | 224 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY11120

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|-----------|----|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | Limit | |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | | 99.5 | 70 to 130 | 2.87 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | | 85.5 | 70 to 130 | 1.23 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | | 96.6 | 70 to 130 | 1.70 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY11120

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY11121

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00227 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0780 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | J 0.0830 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 47.3 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0391 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | 326 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY11121

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|-----------|----|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | | |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | | 92.2 | 70 to 130 | | 0.0436 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | | 98.7 | 70 to 130 | | 0.874 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | | 68.8 | 70 to 130 | | 33.2 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | | 91.8 | 70 to 130 | | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | | 92.4 | 70 to 130 | | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | | 87.8 | 70 to 130 | | 0.720 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | | 101 | 70 to 130 | | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | | 99.2 | 70 to 130 | | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | | 96.6 | 70 to 130 | | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | | 99.5 | 70 to 130 | | 2.87 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | | 96.7 | 70 to 130 | | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | | 96.6 | 70 to 130 | | 1.70 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | | 96.7 | 70 to 130 | | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | | 102 | 70 to 130 | | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | | 85.5 | 70 to 130 | | 1.23 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY11121

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY11122

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00384 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0202 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.101 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 16.7 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0208 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0805 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | 326 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY11122

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY11122

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13S Dup

Laboratory ID Number: AY11123

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00402 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0205 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | J 0.0985 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 16.6 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0218 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0799 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | 332 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13S Dup

Laboratory ID Number: AY11123

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|-----------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-13S Dup

Laboratory ID Number: AY11123

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | LCS | Rec | Prec | Prec |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Limit | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY11124

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00222 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0194 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 5.61 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 173 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00211 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.199 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.119 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 125 | 2400 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY11124

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-----------|-------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | 20 |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY11124

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY11125

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0408 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.399 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 57.8 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.100 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 50 | 646 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Matrix spike recovery for Mercury failed. Matrix spike duplicate passed, so there is no indication of matrix effect. Due to failing MS, precision for Mercury is out of spec. SGC 6/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY11125

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-----------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11125 | Boron, Total | mg/L | -0.00810 | 0.044 | 1.00 | 1.39 | 1.40 | 0.979 | 0.85 to 1.15 | 98.7 | 70 to 130 | 0.874 | 20 |
| AY11125 | Calcium, Total | mg/L | 0.00104 | 0.22 | 5.00 | 62.4 | 62.4 | 4.84 | 4.25 to 5.75 | 92.2 | 70 to 130 | 0.0436 | 20 |
| AY11125 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00275 | 0.00385 | 0.00382 | 0.0034 to 0.0046 | 68.8 | 70 to 130 | 33.2 | 20 |
| AY11125 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0967 | 0.0967 | 0.0951 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.0099920 | |
| AY11125 | Lithium, Total | mg/L | 0.0000358 | 0.022 | 0.20 | 0.304 | 0.303 | 0.195 | 0.17 to 0.23 | 102 | 70 to 130 | 0.315 | 20 |
| AY11125 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0855 | 0.0845 | 0.0886 | 0.085 to 0.115 | 85.5 | 70 to 130 | 1.23 | 20 |
| AY11125 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0967 | 0.0973 | 0.0991 | 0.085 to 0.115 | 96.7 | 70 to 130 | 0.638 | 20 |
| AY11125 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0966 | 0.0982 | 0.0997 | 0.085 to 0.115 | 96.6 | 70 to 130 | 1.70 | 20 |
| AY11125 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0918 | 0.0915 | 0.0968 | 0.085 to 0.115 | 91.8 | 70 to 130 | 0.290 | 20 |
| AY11125 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.133 | 0.137 | 0.0954 | 0.085 to 0.115 | 92.4 | 70 to 130 | 2.76 | 20 |
| AY11125 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0878 | 0.0872 | 0.0905 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.720 | 20 |
| AY11125 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.103 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 1.58 | 20 |
| AY11125 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.0992 | 0.103 | 0.102 | 0.085 to 0.115 | 99.2 | 70 to 130 | 4.17 | 20 |
| AY11125 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0966 | 0.0986 | 0.0977 | 0.085 to 0.115 | 96.6 | 70 to 130 | 2.11 | 20 |
| AY11125 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0995 | 0.102 | 0.102 | 0.085 to 0.115 | 99.5 | 70 to 130 | 2.87 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Matrix spike recovery for Mercury failed. Matrix spike duplicate passed, so there is no indication of matrix effect. Due to failing MS, precision for Mercury is out of spec. SGC 6/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY11125

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|------|----|-------|-------|-----|-----------|------|-----|----------|-------|-------|-------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Limit | | | |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | | 25 | | | 1060 | 54.0 | | 40 to 60 | | | 0.657 | | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Matrix spike recovery for Mercury failed. Matrix spike duplicate passed, so there is no indication of matrix effect. Due to failing MS, precision for Mercury is out of spec. SGC 6/6/18

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY11126

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00211 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0124 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.722 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 64.6 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0179 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0738 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 50 | 810 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY11126

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------|------|-------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | | |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 | |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 | |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 | |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 | |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 | |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 | |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 | |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 | |
| AY11135 | Barium, Total | mg/L | -0.00000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 | |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 | |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 | |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 | |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 | |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 | |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY11126

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11127

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11127

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Barium, Total | mg/L | -0.00000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11127

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | 25 | | | 1060 | 54.0 | 40 to 60 | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY11128

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0195 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 1.05 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 48.6 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | J 0.000744 | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0282 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0259 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00359 | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 496 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY11128

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|------------------|------|-----------|------|------------|
| | | | MB | Limit | | | | | Rec | Limit | | |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY11128

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY11129

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q | Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|---|--------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J | 0.00168 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | | 0.0311 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | | 0.760 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | | 50.0 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U | Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U | Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J | 0.00503 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U | Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | | 0.0535 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J | 0.00842 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U | Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U | Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U | Not Detected | mg/L |
| General Characteristics | | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | | 672 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY11129

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------|------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 | |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 | |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 | |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 | |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 | |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 | |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 | |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 | |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 | |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 | |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 | |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 | |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 | |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 | |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY11129

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY11130

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00250 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0365 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.692 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 81.1 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.150 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0278 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 542 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY11130

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY11130

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY11131

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00148 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0320 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.727 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 110 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.107 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00604 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 730 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY11131

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY11131

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 09-May-18
Customer ID:
Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY11132

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0242 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.878 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 150 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0641 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0790 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00525 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 908 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY11132

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|-------|----|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | | | |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | | 87.4 | 70 to 130 | | 15.4 | 20 |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | | 98.7 | 70 to 130 | | 3.63 | 20 |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | | 98.5 | 70 to 130 | | 2.81 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | | 92.9 | 70 to 130 | | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | | 98.5 | 70 to 130 | | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | | 95.9 | 70 to 130 | | 3.51 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | | 101 | 70 to 130 | | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | | 98.6 | 70 to 130 | | 2.39 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | | 94.0 | 70 to 130 | | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | | 98.7 | 70 to 130 | | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | | 96.4 | 70 to 130 | | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | | 87.6 | 70 to 130 | | 1.95 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | | 101 | 70 to 130 | | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | | 98.1 | 70 to 130 | | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | | 96.4 | 70 to 130 | | 2.21 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY11132

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-6 Dup

Laboratory ID Number: AY11133

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0250 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.874 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 152 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0638 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0792 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00602 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 872 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-6 Dup

Laboratory ID Number: AY11133

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-6 Dup

Laboratory ID Number: AY11133

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY11134

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0142 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.433 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 212 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0128 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.0926 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 1040 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY11134

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | | 95.9 | 70 to 130 | 3.51 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | | 87.6 | 70 to 130 | 1.95 | 20 |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | | 98.7 | 70 to 130 | 3.63 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY11134

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11135

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11135

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY11135 | Boron, Total | mg/L | -0.00705 | 0.044 | 1.00 | 0.985 | 0.958 | 1.02 | 0.85 to 1.15 | 98.5 | 70 to 130 | 2.81 | 20 |
| AY11135 | Beryllium, Total | mg/L | 0.0000211 | 0.00132 | 0.10 | 0.0874 | 0.0749 | 0.0905 | 0.085 to 0.115 | 87.4 | 70 to 130 | 15.4 | 20 |
| AY11135 | Arsenic, Total | mg/L | 0.0000130 | 0.0022 | 0.10 | 0.101 | 0.105 | 0.101 | 0.085 to 0.115 | 101 | 70 to 130 | 3.49 | 20 |
| AY11135 | Chromium, Total | mg/L | 0.0000112 | 0.0044 | 0.10 | 0.0986 | 0.101 | 0.0951 | 0.085 to 0.115 | 98.6 | 70 to 130 | 2.39 | 20 |
| AY11135 | Cobalt, Total | mg/L | 0.0000164 | 0.0044 | 0.10 | 0.101 | 0.107 | 0.102 | 0.085 to 0.115 | 101 | 70 to 130 | 5.76 | 20 |
| AY11135 | Lithium, Total | mg/L | 0.0000179 | 0.022 | 0.20 | 0.196 | 0.191 | 0.198 | 0.17 to 0.23 | 98.1 | 70 to 130 | 2.52 | 20 |
| AY11135 | Mercury, Total by CVAA | mg/L | 0.0000110 | 0.0005 | 0.004 | 0.00385 | 0.00394 | 0.00391 | 0.0034 to 0.0046 | 96.4 | 70 to 130 | 2.21 | 20 |
| AY11135 | Antimony, Total | mg/L | 0.0000442 | 0.00132 | 0.10 | 0.0929 | 0.0950 | 0.0968 | 0.085 to 0.115 | 92.9 | 70 to 130 | 2.19 | 20 |
| AY11135 | Calcium, Total | mg/L | -0.000390 | 0.22 | 5.00 | 4.92 | 4.74 | 4.98 | 4.25 to 5.75 | 98.5 | 70 to 130 | 3.88 | 20 |
| AY11135 | Thallium, Total | mg/L | 0.00000918 | 0.00044 | 0.10 | 0.0959 | 0.0993 | 0.0997 | 0.085 to 0.115 | 95.9 | 70 to 130 | 3.51 | 20 |
| AY11135 | Barium, Total | mg/L | -0.000000506 | 0.0044 | 0.10 | 0.0940 | 0.0976 | 0.0954 | 0.085 to 0.115 | 94.0 | 70 to 130 | 3.82 | 20 |
| AY11135 | Cadmium, Total | mg/L | 0.0000152 | 0.00066 | 0.10 | 0.0987 | 0.102 | 0.0991 | 0.085 to 0.115 | 98.7 | 70 to 130 | 2.90 | 20 |
| AY11135 | Lead, Total | mg/L | 0.0000113 | 0.0022 | 0.10 | 0.0964 | 0.0994 | 0.0977 | 0.085 to 0.115 | 96.4 | 70 to 130 | 3.07 | 20 |
| AY11135 | Molybdenum, Total | mg/L | 0.0000140 | 0.0044 | 0.10 | 0.0876 | 0.0894 | 0.0886 | 0.085 to 0.115 | 87.6 | 70 to 130 | 1.95 | 20 |
| AY11135 | Selenium, Total | mg/L | -0.00000476 | 0.0044 | 0.10 | 0.0987 | 0.102 | 0.102 | 0.085 to 0.115 | 98.7 | 70 to 130 | 3.63 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY11135

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY11136

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00262 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.133 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.183 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 3.79 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.183 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0331 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 606 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY11136

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY11136

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY11137

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0111 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0243 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.425 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 219 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00529 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.112 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0219 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 1060 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY11137

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY11137

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11137 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 1090 | 47.0 | 40 to 60 | | 1.40 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY11138

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00215 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0142 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 3.04 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 132 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.178 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0690 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 100 | 1310 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY11138

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | | | | | Limit | Prec | | |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY11138

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11393 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 5130 | 47.0 | 40 to 60 | | 0.678 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY11139

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/19/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |
| Filter Completion Date | GMW | 5/19/2018 | SM 2540C | | 1 | | | 05/17/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY11139

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 10-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY11139

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|------|----|-------|-------|-----|-----------|------|-----|----------|-------|-------|-------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Limit | | | |
| AY11688 | Solids, Dissolved | mg/L | 5.00 | | 25 | | | 16000 | 51.0 | | 40 to 60 | | | 0.439 | | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY11140

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0347 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 132 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.246 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CES | 5/15/2018 | SM 2540C | | 1 | | 50 | 1070 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY11140

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY11140

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|------|----|-------|-------|-----|-----------|------|-----|----------|-----|-------|-------|-------|
| | | | | | | | | Duplicate | LCS | | | Rec | Limit | Prec | Limit |
| AY11140 | Solids, Dissolved | mg/L | 4.00 | | 25 | | | 1060 | 54.0 | | 40 to 60 | | | 0.657 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY11141

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00109 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.116 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | J 0.0437 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 141 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.166 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00618 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 1020 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY11141

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY11141

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY11393 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 5130 | 47.0 | 40 to 60 | 0.678 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
Sample Date: 09-May-18
Customer ID:
Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY11142

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00121 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0143 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.145 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 246 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0534 | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.237 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 2040 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY11142

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY11142

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11393 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 5130 | 47.0 | 40 to 60 | | 0.678 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY11143

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00291 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.131 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.406 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 13.8 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | J 0.00103 | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.139 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 50 | 486 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY11143

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | 105 | 70 to 130 | 0.759 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | 98.5 | 70 to 130 | 0.0997 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY11143

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY11393 | Solids, Dissolved | mg/L | -4.00 | 25 | | | 5130 | 47.0 | 40 to 60 | | 0.678 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY11144

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0114 | mg/L |
| * Barium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0144 | mg/L |
| * Beryllium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.851 | mg/L |
| * Calcium, Total | HRG | 5/22/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 265 | mg/L |
| * Cadmium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Chromium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | ABB | 5/18/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | HRG | 5/22/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.238 | mg/L |
| * Molybdenum, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0610 | mg/L |
| * Lead, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | DLJ | 5/17/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | GMW | 5/18/2018 | SM 2540C | | 1 | | 100 | 1430 | mg/L |
| Filter Completion Date | GMW | 5/18/2018 | SM 2540C | | 1 | | | 5/16/18 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Calcium is out of spec. Spike amount is less than 30% of the sample amount. SGC 6/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY11144

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|--------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY11144 | Mercury, Total by CVAA | mg/L | 0.0000116 | 0.0005 | 0.004 | 0.00385 | 0.00389 | 0.00388 | 0.0034 to 0.0046 | | 96.2 | 70 to 130 | 0.980 | 20 |
| AY11144 | Selenium, Total | mg/L | 0.0000554 | 0.0044 | 0.10 | 0.100 | 0.0951 | 0.103 | 0.085 to 0.115 | | 100 | 70 to 130 | 5.29 | 20 |
| AY11144 | Beryllium, Total | mg/L | 0.0000166 | 0.00132 | 0.10 | 0.0868 | 0.0856 | 0.0890 | 0.085 to 0.115 | | 86.8 | 70 to 130 | 1.37 | 20 |
| AY11144 | Boron, Total | mg/L | -0.00661 | 0.044 | 1.00 | 1.84 | 1.83 | 0.967 | 0.85 to 1.15 | | 98.5 | 70 to 130 | 0.0997 | 20 |
| AY11144 | Cadmium, Total | mg/L | -0.00000397 | 0.00066 | 0.10 | 0.0950 | 0.0905 | 0.0995 | 0.085 to 0.115 | | 95.0 | 70 to 130 | 4.78 | 20 |
| AY11144 | Thallium, Total | mg/L | 0.00000663 | 0.00044 | 0.10 | 0.0959 | 0.0970 | 0.102 | 0.085 to 0.115 | | 95.9 | 70 to 130 | 1.11 | 20 |
| AY11144 | Chromium, Total | mg/L | 0.0000129 | 0.0044 | 0.10 | 0.0942 | 0.0945 | 0.0961 | 0.085 to 0.115 | | 94.2 | 70 to 130 | 0.316 | 20 |
| AY11144 | Cobalt, Total | mg/L | 0.00000281 | 0.0044 | 0.10 | 0.0963 | 0.0962 | 0.103 | 0.085 to 0.115 | | 96.3 | 70 to 130 | 0.103 | 20 |
| AY11144 | Lead, Total | mg/L | 0.00000310 | 0.0022 | 0.10 | 0.0962 | 0.0967 | 0.1000 | 0.085 to 0.115 | | 96.2 | 70 to 130 | 0.556 | 20 |
| AY11144 | Antimony, Total | mg/L | 0.0000314 | 0.00132 | 0.10 | 0.0887 | 0.0903 | 0.0947 | 0.085 to 0.115 | | 88.7 | 70 to 130 | 1.71 | 20 |
| AY11144 | Calcium, Total | mg/L | -0.00134 | 0.22 | 5.00 | 265 | 274 | 4.81 | 4.25 to 5.75 | | 0.00 | 70 to 130 | 3.34 | 20 |
| AY11144 | Arsenic, Total | mg/L | 0.0000119 | 0.0022 | 0.10 | 0.111 | 0.110 | 0.103 | 0.085 to 0.115 | | 99.3 | 70 to 130 | 0.632 | 20 |
| AY11144 | Molybdenum, Total | mg/L | 0.0000102 | 0.0044 | 0.10 | 0.140 | 0.139 | 0.0865 | 0.085 to 0.115 | | 79.0 | 70 to 130 | 0.454 | 20 |
| AY11144 | Barium, Total | mg/L | 0.0000119 | 0.0044 | 0.10 | 0.108 | 0.108 | 0.0959 | 0.085 to 0.115 | | 94.0 | 70 to 130 | 0.717 | 20 |
| AY11144 | Lithium, Total | mg/L | 0.0000542 | 0.022 | 0.20 | 0.448 | 0.451 | 0.191 | 0.17 to 0.23 | | 105 | 70 to 130 | 0.759 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Calcium is out of spec. Spike amount is less than 30% of the sample amount. SGC 6/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-May-18
 Customer ID:
 Delivery Date: 10-May-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY11144

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|-------|----|-------|-------|-----|-----------|------|-----|----------|-----|-------|-------|-------|
| | | | | | | | | Duplicate | LCS | | | Rec | Limit | Prec | Limit |
| AY11393 | Solids, Dissolved | mg/L | -4.00 | | 25 | | | 5130 | 47.0 | | 40 to 60 | | | 0.678 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Calcium is out of spec. Spike amount is less than 30% of the sample amount. SGC 6/6/18

CC:

Definitions



| Abbreviation | Description |
|--------------|---|
| DF | Dilution Factor |
| LCS | Lab Control Sample |
| LFM | Lab Fortified Matrix |
| MB | Method Blank |
| MDL | Method Detection Limit; minimum concentration of an analyte that can be determined with 99% confidence that the concentration is greater than zero. |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| Prec | Precision (% RPD) |
| Q | Qualifier; comment used to note deviations or additional information associated with analytical results. |
| QC | Quality Control |
| Rec | Recovery of Matrix Spike |
| RL | Reporting Limit; lowest concentration at which an analyte can be quantitatively measured. |
| Vio Spec | Violation Specification; regulatory limit which has been exceeded by the sample analyzed. |

| Qualifier | Description |
|-----------|---|
| B | Analyte found in reagent blank. Indicates possible reagent or background contamination. |
| E | Estimated reported value exceeded calibration range. |
| J | Reported value is an estimate because concentration is less than reporting limit. |
| N | Organic constituents tentatively identified. Confirmation is needed. |
| R | Matrix spike recovery is out of range. |
| U | Compound was analyzed, but not detected. |
| P | Precision is out of range. |
| C | Analyte was verified by re-analysis. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |
| L | Check standard is outside of the required specification limit. |
| D | All samples were stored at less than or equal to 6 °C and for no longer than 48 hours from time of sampling, unless otherwise noted. |
| F | Water Field Group (WFG) qualifier; see comments for more information |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Submit

Lab ETA **05/10/2018 14:45**

| | | | |
|-------------------------|----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Ben Rothschild | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | TDS | 500 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Hg | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|------------|------------|-------|--------------|------------------|------------|---------|
| MW-15 | 5/7/18 | 13:04 | 3 | Groundwater | | AY11116 |
| MW-16 | 05/07/2018 | 14:26 | 3 | Groundwater | | AY11117 |
| MW-16 DUP | 05/07/2018 | 14:26 | 3 | Sample Duplicate | | AY11118 |
| FB-1 | 05/07/2018 | 15:00 | 3 | Field Blank | | AY11119 |
| MW-14 | 05/08/2018 | 09:05 | 3 | Groundwater | | AY11120 |
| MW-13D | 05/08/2018 | 10:10 | 3 | Groundwater | | AY11121 |
| MW-13S | 05/08/2018 | 11:18 | 3 | Groundwater | | AY11122 |
| MW-13S DUP | 05/08/2018 | 11:18 | 3 | Sample Duplicate | | AY11123 |
| MW-12 | 05/08/2018 | 12:50 | 3 | Groundwater | | AY11124 |
| MW-9S | 05/08/2018 | 14:45 | 3 | Groundwater | | AY11125 |
| MW-9D | 05/08/2018 | 15:45 | 3 | Groundwater | | AY11126 |
| FB-2 | 05/08/2018 | 16:15 | 3 | Field Blank | | AY11127 |
| MW-8S | 05/09/2018 | 09:20 | 3 | Groundwater | | AY11128 |
| MW-8D | 05/09/2018 | 10:30 | 3 | Groundwater | | AY11129 |
| MW-7S | 05/09/2018 | 11:55 | 3 | Groundwater | | AY11130 |
| MW-7D | 05/09/2018 | 12:50 | 3 | Groundwater | | AY11131 |
| MW-6 | 05/09/2018 | 13:50 | 3 | Groundwater | | AY11132 |
| MW-6 DUP | 05/09/2018 | 13:50 | 3 | Sample Duplicate | | AY11133 |
| MW-4 | 05/09/2018 | 15:08 | 3 | Groundwater | | AY11134 |
| FB-3 | 05/09/2018 | 15:35 | 3 | Field Blank | | AY11135 |
| MW-3S | 05/10/2018 | 09:07 | 3 | Groundwater | | AY11136 |

Relinquished By

Received By

Date/Time

B. Rothschild

Sarah Copeland

Digitally signed by Sarah Copeland
DN: cn=Sarah Copeland, o.ou.,
email=sgcopela@southernco.com, c=US
Date: 2018.05.10 14:33:14 -05'00'

05/10/2018 14:33

SmarTroll ID 6496-34170-1-1
Turbidity ID 4677-23343-4-2

All metals and radiological bottles have pH < 2

Cooler Temp 2.4 degrees C
Thermometer ID 6603-34819-1-1
pH Strip ID 5881-30154-10-8



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Submit

Lab ETA 05/10/2018 14:45

| | | | | | |
|-------------------------|---------------------|------------|--------------------------|--------------|-----------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer | | |
| | Site Representative | | Jeff K. Baker | Requested By | Greg Dyer |
| | Collector | | Ben Rothschild | | Location |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | TDS | 500 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Hg | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments:

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-----------------|------------|---------|
| MW-3D | 5/10/18 | 10:22 | 3 | Groundwater | | AY11137 |
| MW-10 | 05/10/2018 | 12:08 | 3 | Groundwater | | AY11138 |
| EB-1 | 05/10/2018 | 12:35 | 3 | Equipment Blank | | AY11139 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Relinquished By | Received By | Date/Time |
|-----------------|--|-------------------------|
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o=ou, email=sgcopela@southernco.com, c=US Date: 2018.05.10 14:37:38 -05'00'</small> | 05/10/2018 14:37 |
| | | |

| | | |
|--------------|----------------|---|
| SmarTroll ID | 6496-34170-1-1 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 4677-23343-4-2 | Cooler Temp |
| | | 2.4 degrees C |
| | | Thermometer ID |
| | | 6603-34819-1-1 |
| | | pH Strip ID |
| | | 5881-30154-10-8 |



Chain of Custody Groundwater

APC General Testing Laboratory

 Field Complete
 Lab Complete

 Outside Lab

Submit

Lab ETA

| | | | |
|-------------------------|-----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |

| Bottles | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------|--------|--------|-----|--------|-----|-----|-----|-----|
| | Metals | 500 mL | TDS | 500 mL | N/A | N/A | N/A | N/A |
| | Hg | 250 mL | N/A | N/A | N/A | N/A | N/A | N/A |

Comments: Time correction made to MW-5.

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-------------|------------|---------|
| MW-11 | 5/8/18 | 17:00 | 3 | Groundwater | | AY11140 |
| MW-1 | 05/09/2018 | 11:39 | 3 | Groundwater | | AY11141 |
| MW-2 | 05/09/2018 | 13:22 | 3 | Groundwater | | AY11142 |
| PZ-5 | 05/09/2018 | 16:21 | 3 | Groundwater | | AY11143 |
| MW-5 | 05/09/2018 | 17:27 | 3 | Groundwater | | AY11144 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|---|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou., email=sgcopela@southernco.com, c=US Date: 2018.05.10 14:40:10 -05'00'</small> | 05/10/2018 14:40 |
| | | |
| | | |

| | | |
|--------------|----------------|---|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | Cooler Temp |
| | | 2.8 degrees C |
| | | Thermometer ID |
| | | 6603-34819-1-1 |
| | | pH Strip ID |
| | | 5881-30154-10-8 |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete
 Lab Complete

Outside Lab

Submit

Lab ETA **05/10/2018 14:45**

| | | | |
|-------------------------|----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Ben Rothschild | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|-----|---|-----|-----|---|-----|-----|
| Bottles | 1 | Radium | 1 L | 3 | N/A | N/A | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Anions | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments: Radium Duplicate Collected at MW-14 and MW-8S. All samples outsourced to Test America.

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|------------|------------|-------|--------------|------------------|------------|---------|
| MW-15 | 5/7/18 | 13:04 | 2 | Groundwater | | AY11145 |
| MW-16 | 05/07/2018 | 14:26 | 2 | Groundwater | | AY11146 |
| MW-16 DUP | 05/07/2018 | 14:26 | 2 | Sample Duplicate | | AY11147 |
| FB-1 | 05/07/2018 | 15:00 | 2 | Field Blank | | AY11148 |
| MW-14 | 05/08/2018 | 09:05 | 4 | Groundwater | | AY11149 |
| MW-13D | 05/08/2018 | 10:10 | 2 | Groundwater | | AY11150 |
| MW-13S | 05/08/2018 | 11:18 | 2 | Groundwater | | AY11151 |
| MW-13S DUP | 05/08/2018 | 11:18 | 2 | Sample Duplicate | | AY11152 |
| MW-12 | 05/08/2018 | 12:50 | 2 | Groundwater | | AY11153 |
| MW-9S | 05/08/2018 | 14:45 | 2 | Groundwater | | AY11154 |
| MW-9D | 05/08/2018 | 15:45 | 2 | Groundwater | | AY11155 |
| FB-2 | 05/08/2018 | 16:15 | 2 | Field Blank | | AY11156 |
| MW-8S | 05/09/2018 | 09:20 | 4 | Groundwater | | AY11157 |
| MW-8D | 05/09/2018 | 10:30 | 2 | Groundwater | | AY11158 |
| MW-7S | 05/09/2018 | 11:55 | 2 | Groundwater | | AY11159 |
| MW-7D | 05/09/2018 | 12:50 | 2 | Groundwater | | AY11160 |
| MW-6 | 05/09/2018 | 13:50 | 2 | Groundwater | | AY11161 |
| MW-6 DUP | 05/09/2018 | 13:50 | 2 | Sample Duplicate | | AY11162 |
| MW-4 | 05/09/2018 | 15:08 | 2 | Groundwater | | AY11163 |
| FB-3 | 05/09/2018 | 15:35 | 2 | Field Blank | | AY11164 |
| MW-3S | 05/10/2018 | 09:07 | 2 | Groundwater | | AY11165 |

| | | |
|-----------------|--|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernco.com, c=US Date: 2018.05.10 14:34:52 -05'00'</small> | 05/10/2018 14:34 |
| | | |
| | | |

SmarTroll ID 6496-34170-1-1
Turbidity ID 4677-23343-4-2

All metals and radiological bottles have pH < 2
Cooler Temp 2.4 degrees C
Thermometer ID 6603-34819-1-1
pH Strip ID 5881-30154-10-8



Chain of Custody Groundwater

APC General Testing Laboratory

 Field Complete
 Lab Complete

 Outside Lab

Submit

Lab ETA **05/10/2018 14:45**

| | | | |
|-------------------------|----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Ben Rothschild | Location | Miller Ash Pond |

| | | | | | | | | |
|---------|----------|--------|-------|-----|-------|-----|-------|-----|
| Bottles | 1 Radium | 1 L | 3 N/A | N/A | 5 N/A | N/A | 7 N/A | N/A |
| | 2 Anions | 250 mL | 4 N/A | N/A | 6 N/A | N/A | 8 N/A | N/A |

Comments: All samples outsourced to Test America.

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-----------------|------------|---------|
| MW-3D | 5/10/18 | 10:22 | 2 | Groundwater | | AY11166 |
| MW-10 | 05/10/2018 | 12:08 | 2 | Groundwater | | AY11167 |
| EB-1 | 05/10/2018 | 12:35 | 2 | Equipment Blank | | AY11168 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|--|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernco.com, c=US Date: 2018.05.10 14:36:31 -05'00'</small> | 05/10/2018 14:36 |
| | | |
| | | |

| | | |
|----------------|-----------------|---|
| SmarTroll ID | 6496-34170-1-1 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 4677-23343-4-2 | |
| Cooler Temp | 2.4 degrees C | |
| Thermometer ID | 6603-34819-1-1 | |
| pH Strip ID | 5881-30154-10-8 | |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Submit

Lab ETA

| | | | |
|-------------------------|-----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |

| | | | | | | | | |
|---------|----------|--------|-------|-----|-------|-----|-------|-----|
| Bottles | 1 Radium | 1 L | 3 N/A | N/A | 5 N/A | N/A | 7 N/A | N/A |
| | 2 Anions | 250 mL | 4 N/A | N/A | 6 N/A | N/A | 8 N/A | N/A |

Comments: All samples outsourced to Test America. Time correction made on MW-5.

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-------------|------------|---------|
| MW-11 | 5/8/18 | 17:00 | 2 | Groundwater | | AY11169 |
| MW-1 | 05/09/2018 | 11:39 | 2 | Groundwater | | AY11170 |
| MW-2 | 05/09/2018 | 13:22 | 2 | Groundwater | | AY11171 |
| PZ-5 | 05/09/2018 | 16:21 | 2 | Groundwater | | AY11172 |
| MW-5 | 05/09/2018 | 17:27 | 2 | Groundwater | | AY11173 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|--|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou. email=sgcopela@southernco.com, c=US Date: 2018.05.10 14:39:02 -05'00'</small> | 05/10/2018 14:39 |
| | | |
| | | |

| | | |
|----------------|-----------------|---|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | |
| Cooler Temp | 2.8 degrees C | |
| Thermometer ID | 6603-34819-1-1 | |
| pH Strip ID | 5881-30154-10-8 | |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-153669-1

TestAmerica Sample Delivery Group: Miller Ash Pond 1150

Client Project/Site: CCR Plant Miller

For:

Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Sarah Copeland



Authorized for release by:

5/30/2018 2:41:26 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Case Narrative | 3 |
| Detection Summary | 4 |
| Method Summary | 8 |
| Sample Summary | 9 |
| Client Sample Results | 10 |
| Definitions | 16 |
| Chronicle | 17 |
| QC Association | 23 |
| QC Sample Results | 26 |
| Chain of Custody | 32 |
| Receipt Checklists | 34 |
| Certification Summary | 35 |

Case Narrative

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Job ID: 400-153669-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-153669-1

General Chemistry

Method(s) SM 4500 F C: The method blank for analytical batch 397826 contained Flouride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 398820 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: AY11145 MW-15 (400-153669-1), AY11146 MW-16 (400-153669-2), AY11147 MW-16 DUP (400-153669-3), AY11149 MW-14 (400-153669-5), AY11150 MW-13D (400-153669-6), AY11151 MW-13S (400-153669-7), AY11152 MW-13S DUP (400-153669-8), AY11153 MW-12 (400-153669-9), AY11154 MW-9S (400-153669-10), AY11155 MW-9D (400-153669-11), AY11157 MW-8S (400-153669-13), AY11158 MW-8D (400-153669-14), AY11159 MW-7S (400-153669-15), AY11160 MW-7D (400-153669-16), AY11161 MW-6 (400-153669-17), AY11162 MW-6 DUP (400-153669-18), AY11169 MW-11 (400-153669-25), (400-153669-B-1 MS), (400-153669-B-1 MSD), (400-153669-B-10 MS) and (400-153669-B-10 MSD). Elevated reporting limits (RLs) are provided.

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 398855 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: AY11163 MW-4 (400-153669-19), AY11165 MW-3S (400-153669-21), AY11166 MW-3D (400-153669-22), AY11167 MW-10 (400-153669-23), AY11170 MW-1 (400-153669-26), AY11171 MW-2 (400-153669-27), (400-153669-B-19 MS), (400-153669-B-19 MSD) and AY11173 MW-5 (400-153669-29). Elevated reporting limits (RLs) are provided.

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11145 MW-15

Lab Sample ID: 400-153669-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 20 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.11 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 77 | F1 | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11146 MW-16

Lab Sample ID: 400-153669-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 16 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.16 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 430 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11147 MW-16 DUP

Lab Sample ID: 400-153669-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 16 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.16 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 430 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11148 FB-1

Lab Sample ID: 400-153669-4

No Detections.

Client Sample ID: AY11149 MW-14

Lab Sample ID: 400-153669-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 7.6 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.18 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 42 | | 10 | 2.8 | mg/L | 2 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11150 MW-13D

Lab Sample ID: 400-153669-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 14 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.14 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 70 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11151 MW-13S

Lab Sample ID: 400-153669-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 11 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 120 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11152 MW-13S DUP

Lab Sample ID: 400-153669-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 11 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 130 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11153 MW-12

Lab Sample ID: 400-153669-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 6.8 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.65 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 1400 | | 250 | 70 | mg/L | 50 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11154 MW-9S

Lab Sample ID: 400-153669-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 4.2 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.22 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 360 | F1 | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11155 MW-9D

Lab Sample ID: 400-153669-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 12 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.050 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 440 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11156 FB-2

Lab Sample ID: 400-153669-12

No Detections.

Client Sample ID: AY11157 MW-8S

Lab Sample ID: 400-153669-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 3.2 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.48 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 240 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11158 MW-8D

Lab Sample ID: 400-153669-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 10 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.26 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 370 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11159 MW-7S

Lab Sample ID: 400-153669-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 25 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.21 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 210 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11160 MW-7D

Lab Sample ID: 400-153669-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 27 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 340 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11161 MW-6

Lab Sample ID: 400-153669-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 32 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 500 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11162 MW-6 DUP

Lab Sample ID: 400-153669-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 32 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 510 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11163 MW-4

Lab Sample ID: 400-153669-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 39 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.28 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 600 | F1 | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11164 FB-3

Lab Sample ID: 400-153669-20

No Detections.

Client Sample ID: AY11165 MW-3S

Lab Sample ID: 400-153669-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 34 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.31 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 120 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11166 MW-3D

Lab Sample ID: 400-153669-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 37 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.37 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 540 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11167 MW-10

Lab Sample ID: 400-153669-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 7.4 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.42 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 680 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11168 EB-1

Lab Sample ID: 400-153669-24

No Detections.

Client Sample ID: AY11169 MW-11

Lab Sample ID: 400-153669-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 7.3 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11169 MW-11 (Continued)

Lab Sample ID: 400-153669-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 550 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11170 MW-1

Lab Sample ID: 400-153669-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 11 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.17 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 460 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11171 MW-2

Lab Sample ID: 400-153669-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 8.7 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 1300 | | 250 | 70 | mg/L | 50 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11172 PZ-5

Lab Sample ID: 400-153669-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 31 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 1.1 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 29 | | 5.0 | 1.4 | mg/L | 1 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY11173 MW-5

Lab Sample ID: 400-153669-29

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 45 | | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.36 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 790 | | 200 | 56 | mg/L | 40 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

| Method | Method Description | Protocol | Laboratory |
|---------------|--------------------|----------|------------|
| SM 4500 Cl- E | Chloride, Total | SM | TAL PEN |
| SM 4500 F C | Fluoride | SM | TAL PEN |
| SM 4500 SO4 E | Sulfate, Total | SM | TAL PEN |

Protocol References:

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--------------------|--------|----------------|----------------|
| 400-153669-1 | AY11145 MW-15 | Water | 05/07/18 13:04 | 05/15/18 09:10 |
| 400-153669-2 | AY11146 MW-16 | Water | 05/07/18 14:26 | 05/15/18 09:10 |
| 400-153669-3 | AY11147 MW-16 DUP | Water | 05/07/18 14:26 | 05/15/18 09:10 |
| 400-153669-4 | AY11148 FB-1 | Water | 05/07/18 15:00 | 05/15/18 09:10 |
| 400-153669-5 | AY11149 MW-14 | Water | 05/08/18 09:05 | 05/15/18 09:10 |
| 400-153669-6 | AY11150 MW-13D | Water | 05/08/18 10:10 | 05/15/18 09:10 |
| 400-153669-7 | AY11151 MW-13S | Water | 05/08/18 11:18 | 05/15/18 09:10 |
| 400-153669-8 | AY11152 MW-13S DUP | Water | 05/08/18 11:18 | 05/15/18 09:10 |
| 400-153669-9 | AY11153 MW-12 | Water | 05/08/18 12:50 | 05/15/18 09:10 |
| 400-153669-10 | AY11154 MW-9S | Water | 05/08/18 14:45 | 05/15/18 09:10 |
| 400-153669-11 | AY11155 MW-9D | Water | 05/08/18 15:45 | 05/15/18 09:10 |
| 400-153669-12 | AY11156 FB-2 | Water | 05/08/18 16:15 | 05/15/18 09:10 |
| 400-153669-13 | AY11157 MW-8S | Water | 05/09/18 09:20 | 05/15/18 09:10 |
| 400-153669-14 | AY11158 MW-8D | Water | 05/09/18 10:30 | 05/15/18 09:10 |
| 400-153669-15 | AY11159 MW-7S | Water | 05/09/18 11:55 | 05/15/18 09:10 |
| 400-153669-16 | AY11160 MW-7D | Water | 05/09/18 12:50 | 05/15/18 09:10 |
| 400-153669-17 | AY11161 MW-6 | Water | 05/09/18 13:50 | 05/15/18 09:10 |
| 400-153669-18 | AY11162 MW-6 DUP | Water | 05/09/18 13:50 | 05/15/18 09:10 |
| 400-153669-19 | AY11163 MW-4 | Water | 05/09/18 15:08 | 05/15/18 09:10 |
| 400-153669-20 | AY11164 FB-3 | Water | 05/09/18 15:35 | 05/15/18 09:10 |
| 400-153669-21 | AY11165 MW-3S | Water | 05/10/18 09:07 | 05/15/18 09:10 |
| 400-153669-22 | AY11166 MW-3D | Water | 05/10/18 10:22 | 05/15/18 09:10 |
| 400-153669-23 | AY11167 MW-10 | Water | 05/10/18 12:08 | 05/15/18 09:10 |
| 400-153669-24 | AY11168 EB-1 | Water | 05/10/18 12:35 | 05/15/18 09:10 |
| 400-153669-25 | AY11169 MW-11 | Water | 05/08/18 17:00 | 05/15/18 09:10 |
| 400-153669-26 | AY11170 MW-1 | Water | 05/09/18 11:39 | 05/15/18 09:10 |
| 400-153669-27 | AY11171 MW-2 | Water | 05/09/18 13:22 | 05/15/18 09:10 |
| 400-153669-28 | AY11172 PZ-5 | Water | 05/09/18 16:21 | 05/15/18 09:10 |
| 400-153669-29 | AY11173 MW-5 | Water | 05/09/18 17:29 | 05/15/18 09:10 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11145 MW-15

Lab Sample ID: 400-153669-1

Date Collected: 05/07/18 13:04

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 20 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:21 | 1 |
| Fluoride | 0.11 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:10 | 1 |
| Sulfate | 77 | F1 | 25 | 7.0 | mg/L | | | 05/24/18 11:09 | 5 |

Client Sample ID: AY11146 MW-16

Lab Sample ID: 400-153669-2

Date Collected: 05/07/18 14:26

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 16 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:18 | 1 |
| Fluoride | 0.16 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:16 | 1 |
| Sulfate | 430 | | 100 | 28 | mg/L | | | 05/24/18 11:41 | 20 |

Client Sample ID: AY11147 MW-16 DUP

Lab Sample ID: 400-153669-3

Date Collected: 05/07/18 14:26

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 16 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:21 | 1 |
| Fluoride | 0.16 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:18 | 1 |
| Sulfate | 430 | | 100 | 28 | mg/L | | | 05/24/18 11:41 | 20 |

Client Sample ID: AY11148 FB-1

Lab Sample ID: 400-153669-4

Date Collected: 05/07/18 15:00

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.60 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:21 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:22 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/24/18 10:41 | 1 |

Client Sample ID: AY11149 MW-14

Lab Sample ID: 400-153669-5

Date Collected: 05/08/18 09:05

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 7.6 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:21 | 1 |
| Fluoride | 0.18 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:25 | 1 |
| Sulfate | 42 | | 10 | 2.8 | mg/L | | | 05/24/18 11:14 | 2 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11150 MW-13D

Lab Sample ID: 400-153669-6

Date Collected: 05/08/18 10:10

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 14 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | 0.14 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:27 | 1 |
| Sulfate | 70 | | 25 | 7.0 | mg/L | | | 05/24/18 11:14 | 5 |

Client Sample ID: AY11151 MW-13S

Lab Sample ID: 400-153669-7

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 11 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | | | 05/30/18 10:29 | 1 |
| Sulfate | 120 | | 25 | 7.0 | mg/L | | | 05/24/18 11:14 | 5 |

Client Sample ID: AY11152 MW-13S DUP

Lab Sample ID: 400-153669-8

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 11 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | | | 05/30/18 10:31 | 1 |
| Sulfate | 130 | | 25 | 7.0 | mg/L | | | 05/24/18 11:18 | 5 |

Client Sample ID: AY11153 MW-12

Lab Sample ID: 400-153669-9

Date Collected: 05/08/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 6.8 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | 0.65 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:42 | 1 |
| Sulfate | 1400 | | 250 | 70 | mg/L | | | 05/24/18 11:41 | 50 |

Client Sample ID: AY11154 MW-9S

Lab Sample ID: 400-153669-10

Date Collected: 05/08/18 14:45

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 4.2 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | 0.22 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:46 | 1 |
| Sulfate | 360 | F1 | 100 | 28 | mg/L | | | 05/24/18 11:18 | 20 |

Client Sample ID: AY11155 MW-9D

Lab Sample ID: 400-153669-11

Date Collected: 05/08/18 15:45

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 12 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11155 MW-9D

Lab Sample ID: 400-153669-11

Date Collected: 05/08/18 15:45

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.050 | J | 0.10 | 0.032 | mg/L | | | 05/30/18 10:49 | 1 |
| Sulfate | 440 | | 100 | 28 | mg/L | | | 05/24/18 11:22 | 20 |

Client Sample ID: AY11156 FB-2

Lab Sample ID: 400-153669-12

Date Collected: 05/08/18 16:15

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.60 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:53 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/24/18 10:46 | 1 |

Client Sample ID: AY11157 MW-8S

Lab Sample ID: 400-153669-13

Date Collected: 05/09/18 09:20

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 3.2 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:29 | 1 |
| Fluoride | 0.48 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:55 | 1 |
| Sulfate | 240 | | 100 | 28 | mg/L | | | 05/24/18 11:22 | 20 |

Client Sample ID: AY11158 MW-8D

Lab Sample ID: 400-153669-14

Date Collected: 05/09/18 10:30

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 10 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:29 | 1 |
| Fluoride | 0.26 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:57 | 1 |
| Sulfate | 370 | | 100 | 28 | mg/L | | | 05/24/18 11:27 | 20 |

Client Sample ID: AY11159 MW-7S

Lab Sample ID: 400-153669-15

Date Collected: 05/09/18 11:55

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 25 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 0.21 | | 0.10 | 0.032 | mg/L | | | 05/30/18 10:59 | 1 |
| Sulfate | 210 | | 100 | 28 | mg/L | | | 05/24/18 11:27 | 20 |

Client Sample ID: AY11160 MW-7D

Lab Sample ID: 400-153669-16

Date Collected: 05/09/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 27 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:05 | 1 |
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 05/30/18 11:01 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11160 MW-7D

Lab Sample ID: 400-153669-16

Date Collected: 05/09/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | 340 | | 100 | 28 | mg/L | | | 05/24/18 11:27 | 20 |

Client Sample ID: AY11161 MW-6

Lab Sample ID: 400-153669-17

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 32 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:05 | 1 |
| Fluoride | 0.090 | J | 0.10 | 0.032 | mg/L | | | 05/30/18 11:04 | 1 |
| Sulfate | 500 | | 100 | 28 | mg/L | | | 05/24/18 11:27 | 20 |

Client Sample ID: AY11162 MW-6 DUP

Lab Sample ID: 400-153669-18

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 32 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:07 | 1 |
| Sulfate | 510 | | 100 | 28 | mg/L | | | 05/24/18 11:29 | 20 |

Client Sample ID: AY11163 MW-4

Lab Sample ID: 400-153669-19

Date Collected: 05/09/18 15:08

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 39 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 0.28 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:15 | 1 |
| Sulfate | 600 | F1 | 100 | 28 | mg/L | | | 05/24/18 13:30 | 20 |

Client Sample ID: AY11164 FB-3

Lab Sample ID: 400-153669-20

Date Collected: 05/09/18 15:35

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.60 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:19 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/24/18 12:32 | 1 |

Client Sample ID: AY11165 MW-3S

Lab Sample ID: 400-153669-21

Date Collected: 05/10/18 09:07

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 34 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:15 | 1 |
| Fluoride | 0.31 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:21 | 1 |
| Sulfate | 120 | | 100 | 28 | mg/L | | | 05/24/18 13:34 | 20 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11166 MW-3D

Lab Sample ID: 400-153669-22

Date Collected: 05/10/18 10:22

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 37 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:15 | 1 |
| Fluoride | 0.37 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:23 | 1 |
| Sulfate | 540 | | 100 | 28 | mg/L | | | 05/24/18 13:34 | 20 |

Client Sample ID: AY11167 MW-10

Lab Sample ID: 400-153669-23

Date Collected: 05/10/18 12:08

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 7.4 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:15 | 1 |
| Fluoride | 0.42 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:25 | 1 |
| Sulfate | 680 | | 100 | 28 | mg/L | | | 05/24/18 13:37 | 20 |

Client Sample ID: AY11168 EB-1

Lab Sample ID: 400-153669-24

Date Collected: 05/10/18 12:35

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <0.60 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:15 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:29 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/24/18 12:38 | 1 |

Client Sample ID: AY11169 MW-11

Lab Sample ID: 400-153669-25

Date Collected: 05/08/18 17:00

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 7.3 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:28 | 1 |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:32 | 1 |
| Sulfate | 550 | | 100 | 28 | mg/L | | | 05/24/18 11:22 | 20 |

Client Sample ID: AY11170 MW-1

Lab Sample ID: 400-153669-26

Date Collected: 05/09/18 11:39

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 11 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 0.17 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:40 | 1 |
| Sulfate | 460 | | 100 | 28 | mg/L | | | 05/24/18 13:30 | 20 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11171 MW-2

Lab Sample ID: 400-153669-27

Date Collected: 05/09/18 13:22

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 8.7 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:45 | 1 |
| Sulfate | 1300 | | 250 | 70 | mg/L | | | 05/24/18 14:04 | 50 |

Client Sample ID: AY11172 PZ-5

Lab Sample ID: 400-153669-28

Date Collected: 05/09/18 16:21

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 31 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 1.1 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:47 | 1 |
| Sulfate | 29 | | 5.0 | 1.4 | mg/L | | | 05/24/18 12:38 | 1 |

Client Sample ID: AY11173 MW-5

Lab Sample ID: 400-153669-29

Date Collected: 05/09/18 17:29

Matrix: Water

Date Received: 05/15/18 09:10

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 45 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:08 | 1 |
| Fluoride | 0.36 | | 0.10 | 0.032 | mg/L | | | 05/16/18 15:49 | 1 |
| Sulfate | 790 | | 200 | 56 | mg/L | | | 05/29/18 08:48 | 40 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Qualifiers

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11145 MW-15
Date Collected: 05/07/18 13:04
Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:10 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 398820 | 05/24/18 11:09 | RRC | TAL PEN |

Client Sample ID: AY11146 MW-16
Date Collected: 05/07/18 14:26
Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:18 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:16 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:41 | RRC | TAL PEN |

Client Sample ID: AY11147 MW-16 DUP
Date Collected: 05/07/18 14:26
Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:18 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:41 | RRC | TAL PEN |

Client Sample ID: AY11148 FB-1
Date Collected: 05/07/18 15:00
Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:22 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 398820 | 05/24/18 10:41 | RRC | TAL PEN |

Client Sample ID: AY11149 MW-14
Date Collected: 05/08/18 09:05
Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:25 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 2 | 398820 | 05/24/18 11:14 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11150 MW-13D

Lab Sample ID: 400-153669-6

Date Collected: 05/08/18 10:10

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:27 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 398820 | 05/24/18 11:14 | RRC | TAL PEN |

Client Sample ID: AY11151 MW-13S

Lab Sample ID: 400-153669-7

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:29 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 398820 | 05/24/18 11:14 | RRC | TAL PEN |

Client Sample ID: AY11152 MW-13S DUP

Lab Sample ID: 400-153669-8

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:31 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 398820 | 05/24/18 11:18 | RRC | TAL PEN |

Client Sample ID: AY11153 MW-12

Lab Sample ID: 400-153669-9

Date Collected: 05/08/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:42 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 398820 | 05/24/18 11:41 | RRC | TAL PEN |

Client Sample ID: AY11154 MW-9S

Lab Sample ID: 400-153669-10

Date Collected: 05/08/18 14:45

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:46 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:18 | RRC | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11155 MW-9D

Lab Sample ID: 400-153669-11

Date Collected: 05/08/18 15:45

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:49 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:22 | RRC | TAL PEN |

Client Sample ID: AY11156 FB-2

Lab Sample ID: 400-153669-12

Date Collected: 05/08/18 16:15

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:53 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 398820 | 05/24/18 10:46 | RRC | TAL PEN |

Client Sample ID: AY11157 MW-8S

Lab Sample ID: 400-153669-13

Date Collected: 05/09/18 09:20

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:55 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:22 | RRC | TAL PEN |

Client Sample ID: AY11158 MW-8D

Lab Sample ID: 400-153669-14

Date Collected: 05/09/18 10:30

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:57 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:27 | RRC | TAL PEN |

Client Sample ID: AY11159 MW-7S

Lab Sample ID: 400-153669-15

Date Collected: 05/09/18 11:55

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 10:59 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:27 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11160 MW-7D

Lab Sample ID: 400-153669-16

Date Collected: 05/09/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:05 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 11:01 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:27 | RRC | TAL PEN |

Client Sample ID: AY11161 MW-6

Lab Sample ID: 400-153669-17

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:05 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 399377 | 05/30/18 11:04 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:27 | RRC | TAL PEN |

Client Sample ID: AY11162 MW-6 DUP

Lab Sample ID: 400-153669-18

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:07 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:29 | RRC | TAL PEN |

Client Sample ID: AY11163 MW-4

Lab Sample ID: 400-153669-19

Date Collected: 05/09/18 15:08

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:15 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398855 | 05/24/18 13:30 | RRC | TAL PEN |

Client Sample ID: AY11164 FB-3

Lab Sample ID: 400-153669-20

Date Collected: 05/09/18 15:35

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:19 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 398855 | 05/24/18 12:32 | RRC | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

Client Sample ID: AY11165 MW-3S

Lab Sample ID: 400-153669-21

Date Collected: 05/10/18 09:07

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:15 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:21 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398855 | 05/24/18 13:34 | RRC | TAL PEN |

Client Sample ID: AY11166 MW-3D

Lab Sample ID: 400-153669-22

Date Collected: 05/10/18 10:22

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:15 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:23 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398855 | 05/24/18 13:34 | RRC | TAL PEN |

Client Sample ID: AY11167 MW-10

Lab Sample ID: 400-153669-23

Date Collected: 05/10/18 12:08

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:15 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:25 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398855 | 05/24/18 13:37 | RRC | TAL PEN |

Client Sample ID: AY11168 EB-1

Lab Sample ID: 400-153669-24

Date Collected: 05/10/18 12:35

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:15 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:29 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 398855 | 05/24/18 12:38 | RRC | TAL PEN |

Client Sample ID: AY11169 MW-11

Lab Sample ID: 400-153669-25

Date Collected: 05/08/18 17:00

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398650 | 05/23/18 09:28 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:32 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398820 | 05/24/18 11:22 | RRC | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11170 MW-1

Lab Sample ID: 400-153669-26

Date Collected: 05/09/18 11:39

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:40 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 398855 | 05/24/18 13:30 | RRC | TAL PEN |

Client Sample ID: AY11171 MW-2

Lab Sample ID: 400-153669-27

Date Collected: 05/09/18 13:22

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:45 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 398855 | 05/24/18 14:04 | RRC | TAL PEN |

Client Sample ID: AY11172 PZ-5

Lab Sample ID: 400-153669-28

Date Collected: 05/09/18 16:21

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:47 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 398855 | 05/24/18 12:38 | RRC | TAL PEN |

Client Sample ID: AY11173 MW-5

Lab Sample ID: 400-153669-29

Date Collected: 05/09/18 17:29

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 398676 | 05/23/18 11:08 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 397871 | 05/16/18 15:49 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 40 | 399201 | 05/29/18 08:48 | RRC | TAL PEN |

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

General Chemistry

Analysis Batch: 397871

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|-------------|------------|
| 400-153669-18 | AY11162 MW-6 DUP | Total/NA | Water | SM 4500 F C | |
| 400-153669-19 | AY11163 MW-4 | Total/NA | Water | SM 4500 F C | |
| 400-153669-20 | AY11164 FB-3 | Total/NA | Water | SM 4500 F C | |
| 400-153669-21 | AY11165 MW-3S | Total/NA | Water | SM 4500 F C | |
| 400-153669-22 | AY11166 MW-3D | Total/NA | Water | SM 4500 F C | |
| 400-153669-23 | AY11167 MW-10 | Total/NA | Water | SM 4500 F C | |
| 400-153669-24 | AY11168 EB-1 | Total/NA | Water | SM 4500 F C | |
| 400-153669-25 | AY11169 MW-11 | Total/NA | Water | SM 4500 F C | |
| 400-153669-26 | AY11170 MW-1 | Total/NA | Water | SM 4500 F C | |
| 400-153669-27 | AY11171 MW-2 | Total/NA | Water | SM 4500 F C | |
| 400-153669-28 | AY11172 PZ-5 | Total/NA | Water | SM 4500 F C | |
| 400-153669-29 | AY11173 MW-5 | Total/NA | Water | SM 4500 F C | |
| MB 400-397871/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 400-397871/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 400-153669-18 MS | AY11162 MW-6 DUP | Total/NA | Water | SM 4500 F C | |
| 400-153669-18 MSD | AY11162 MW-6 DUP | Total/NA | Water | SM 4500 F C | |
| 400-153669-26 DU | AY11170 MW-1 | Total/NA | Water | SM 4500 F C | |

Analysis Batch: 398650

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-153669-1 | AY11145 MW-15 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-2 | AY11146 MW-16 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-3 | AY11147 MW-16 DUP | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-4 | AY11148 FB-1 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-5 | AY11149 MW-14 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-6 | AY11150 MW-13D | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-7 | AY11151 MW-13S | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-8 | AY11152 MW-13S DUP | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-9 | AY11153 MW-12 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-10 | AY11154 MW-9S | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-11 | AY11155 MW-9D | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-12 | AY11156 FB-2 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-13 | AY11157 MW-8S | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-14 | AY11158 MW-8D | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-25 | AY11169 MW-11 | Total/NA | Water | SM 4500 CI- E | |
| MB 400-398650/6 | Method Blank | Total/NA | Water | SM 4500 CI- E | |
| LCS 400-398650/46 | Lab Control Sample | Total/NA | Water | SM 4500 CI- E | |
| MRL 400-398650/3 | Lab Control Sample | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-2 MS | AY11146 MW-16 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-2 MSD | AY11146 MW-16 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-10 MS | AY11154 MW-9S | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-10 MSD | AY11154 MW-9S | Total/NA | Water | SM 4500 CI- E | |

Analysis Batch: 398676

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 400-153669-15 | AY11159 MW-7S | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-16 | AY11160 MW-7D | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-17 | AY11161 MW-6 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-18 | AY11162 MW-6 DUP | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-19 | AY11163 MW-4 | Total/NA | Water | SM 4500 CI- E | |
| 400-153669-20 | AY11164 FB-3 | Total/NA | Water | SM 4500 CI- E | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

General Chemistry (Continued)

Analysis Batch: 398676 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-153669-21 | AY11165 MW-3S | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-22 | AY11166 MW-3D | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-23 | AY11167 MW-10 | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-24 | AY11168 EB-1 | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-26 | AY11170 MW-1 | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-27 | AY11171 MW-2 | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-28 | AY11172 PZ-5 | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-29 | AY11173 MW-5 | Total/NA | Water | SM 4500 Cl- E | |
| MB 400-398676/5 | Method Blank | Total/NA | Water | SM 4500 Cl- E | |
| LCS 400-398676/41 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| MRL 400-398676/3 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-15 MS | AY11159 MW-7S | Total/NA | Water | SM 4500 Cl- E | |
| 400-153669-15 MSD | AY11159 MW-7S | Total/NA | Water | SM 4500 Cl- E | |

Analysis Batch: 398820

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-153669-1 | AY11145 MW-15 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-2 | AY11146 MW-16 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-3 | AY11147 MW-16 DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-4 | AY11148 FB-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-5 | AY11149 MW-14 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-6 | AY11150 MW-13D | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-7 | AY11151 MW-13S | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-8 | AY11152 MW-13S DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-9 | AY11153 MW-12 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-10 | AY11154 MW-9S | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-11 | AY11155 MW-9D | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-12 | AY11156 FB-2 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-13 | AY11157 MW-8S | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-14 | AY11158 MW-8D | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-15 | AY11159 MW-7S | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-16 | AY11160 MW-7D | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-17 | AY11161 MW-6 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-18 | AY11162 MW-6 DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-25 | AY11169 MW-11 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-398820/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-398820/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-398820/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-1 MS | AY11145 MW-15 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-1 MSD | AY11145 MW-15 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-10 MS | AY11154 MW-9S | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-10 MSD | AY11154 MW-9S | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 398855

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 400-153669-19 | AY11163 MW-4 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-20 | AY11164 FB-3 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-21 | AY11165 MW-3S | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-22 | AY11166 MW-3D | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-23 | AY11167 MW-10 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-24 | AY11168 EB-1 | Total/NA | Water | SM 4500 SO4 E | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
SDG: Miller Ash Pond 1150

General Chemistry (Continued)

Analysis Batch: 398855 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-153669-26 | AY11170 MW-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-27 | AY11171 MW-2 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-28 | AY11172 PZ-5 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-398855/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-398855/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-398855/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-19 MS | AY11163 MW-4 | Total/NA | Water | SM 4500 SO4 E | |
| 400-153669-19 MSD | AY11163 MW-4 | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 399201

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------------|------------|
| 400-153669-29 | AY11173 MW-5 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-399201/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-399201/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-399201/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-153730-A-1 MS | Matrix Spike | Total/NA | Water | SM 4500 SO4 E | |
| 400-153730-A-1 MSD | Matrix Spike Duplicate | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 399377

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-------------|------------|
| 400-153669-1 | AY11145 MW-15 | Total/NA | Water | SM 4500 F C | |
| 400-153669-2 | AY11146 MW-16 | Total/NA | Water | SM 4500 F C | |
| 400-153669-3 | AY11147 MW-16 DUP | Total/NA | Water | SM 4500 F C | |
| 400-153669-4 | AY11148 FB-1 | Total/NA | Water | SM 4500 F C | |
| 400-153669-5 | AY11149 MW-14 | Total/NA | Water | SM 4500 F C | |
| 400-153669-6 | AY11150 MW-13D | Total/NA | Water | SM 4500 F C | |
| 400-153669-7 | AY11151 MW-13S | Total/NA | Water | SM 4500 F C | |
| 400-153669-8 | AY11152 MW-13S DUP | Total/NA | Water | SM 4500 F C | |
| 400-153669-9 | AY11153 MW-12 | Total/NA | Water | SM 4500 F C | |
| 400-153669-10 | AY11154 MW-9S | Total/NA | Water | SM 4500 F C | |
| 400-153669-11 | AY11155 MW-9D | Total/NA | Water | SM 4500 F C | |
| 400-153669-12 | AY11156 FB-2 | Total/NA | Water | SM 4500 F C | |
| 400-153669-13 | AY11157 MW-8S | Total/NA | Water | SM 4500 F C | |
| 400-153669-14 | AY11158 MW-8D | Total/NA | Water | SM 4500 F C | |
| 400-153669-15 | AY11159 MW-7S | Total/NA | Water | SM 4500 F C | |
| 400-153669-16 | AY11160 MW-7D | Total/NA | Water | SM 4500 F C | |
| 400-153669-17 | AY11161 MW-6 | Total/NA | Water | SM 4500 F C | |
| MB 400-399377/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 400-399377/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 400-153669-1 MS | AY11145 MW-15 | Total/NA | Water | SM 4500 F C | |
| 400-153669-1 MSD | AY11145 MW-15 | Total/NA | Water | SM 4500 F C | |
| 400-153669-9 DU | AY11153 MW-12 | Total/NA | Water | SM 4500 F C | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-398650/6
Matrix: Water
Analysis Batch: 398650

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Chloride | <0.60 | | 2.0 | 0.60 | mg/L | | | 05/23/18 09:18 | 1 |

Lab Sample ID: LCS 400-398650/46
Matrix: Water
Analysis Batch: 398650

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 30.0 | 32.8 | | mg/L | | 109 | 90 - 110 |

Lab Sample ID: MRL 400-398650/3
Matrix: Water
Analysis Batch: 398650

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 2.00 | 2.12 | | mg/L | | 106 | 50 - 150 |

Lab Sample ID: 400-153669-2 MS
Matrix: Water
Analysis Batch: 398650

Client Sample ID: AY11146 MW-16
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 16 | | 10.0 | 25.4 | | mg/L | | 98 | 73 - 120 |

Lab Sample ID: 400-153669-2 MSD
Matrix: Water
Analysis Batch: 398650

Client Sample ID: AY11146 MW-16
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Chloride | 16 | | 10.0 | 25.0 | | mg/L | | 94 | 73 - 120 | 2 | 8 |

Lab Sample ID: 400-153669-10 MS
Matrix: Water
Analysis Batch: 398650

Client Sample ID: AY11154 MW-9S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 4.2 | | 10.0 | 15.2 | | mg/L | | 110 | 73 - 120 |

Lab Sample ID: 400-153669-10 MSD
Matrix: Water
Analysis Batch: 398650

Client Sample ID: AY11154 MW-9S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Chloride | 4.2 | | 10.0 | 15.3 | | mg/L | | 111 | 73 - 120 | 0 | 8 |

Lab Sample ID: MB 400-398676/5
Matrix: Water
Analysis Batch: 398676

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Chloride | <0.60 | | 2.0 | 0.60 | mg/L | | | 05/23/18 11:05 | 1 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Lab Sample ID: LCS 400-398676/41
Matrix: Water
Analysis Batch: 398676

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 30.0 | 32.8 | | mg/L | | 109 | 90 - 110 |

Lab Sample ID: MRL 400-398676/3
Matrix: Water
Analysis Batch: 398676

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 2.00 | 1.92 | J | mg/L | | 96 | 50 - 150 |

Lab Sample ID: 400-153669-15 MS
Matrix: Water
Analysis Batch: 398676

Client Sample ID: AY11159 MW-7S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 25 | | 10.0 | 33.9 | | mg/L | | 92 | 73 - 120 |

Lab Sample ID: 400-153669-15 MSD
Matrix: Water
Analysis Batch: 398676

Client Sample ID: AY11159 MW-7S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 25 | | 10.0 | 33.8 | | mg/L | | 90 | 73 - 120 | 1 | 8 |

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-397871/3
Matrix: Water
Analysis Batch: 397871

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 05/16/18 14:54 | 1 |

Lab Sample ID: LCS 400-397871/4
Matrix: Water
Analysis Batch: 397871

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Fluoride | 4.00 | 3.91 | | mg/L | | 98 | 90 - 110 |

Lab Sample ID: 400-153669-18 MS
Matrix: Water
Analysis Batch: 397871

Client Sample ID: AY11162 MW-6 DUP
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.10 | | 1.00 | 1.12 | | mg/L | | 102 | 75 - 125 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-153669-18 MSD
Matrix: Water
Analysis Batch: 397871

Client Sample ID: AY11162 MW-6 DUP
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.10 | | 1.00 | 1.12 | | mg/L | | 102 | 75 - 125 | 0 | 4 |

Lab Sample ID: 400-153669-26 DU
Matrix: Water
Analysis Batch: 397871

Client Sample ID: AY11170 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Fluoride | 0.17 | | 0.170 | | mg/L | | 0 | 4 |

Lab Sample ID: MB 400-399377/3
Matrix: Water
Analysis Batch: 399377

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 05/30/18 09:56 | 1 |

Lab Sample ID: LCS 400-399377/4
Matrix: Water
Analysis Batch: 399377

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Fluoride | 4.00 | 3.65 | | mg/L | | 91 | 90 - 110 |

Lab Sample ID: 400-153669-1 MS
Matrix: Water
Analysis Batch: 399377

Client Sample ID: AY11145 MW-15
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.11 | | 1.00 | 1.12 | | mg/L | | 101 | 75 - 125 |

Lab Sample ID: 400-153669-1 MSD
Matrix: Water
Analysis Batch: 399377

Client Sample ID: AY11145 MW-15
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.11 | | 1.00 | 1.12 | | mg/L | | 101 | 75 - 125 | 0 | 4 |

Lab Sample ID: 400-153669-9 DU
Matrix: Water
Analysis Batch: 399377

Client Sample ID: AY11153 MW-12
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Fluoride | 0.65 | | 0.650 | | mg/L | | 0 | 4 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-398820/6
Matrix: Water
Analysis Batch: 398820

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/24/18 10:34 | 1 |

Lab Sample ID: LCS 400-398820/7
Matrix: Water
Analysis Batch: 398820

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 14.5 | | mg/L | | 97 | 90 - 110 |

Lab Sample ID: MRL 400-398820/3
Matrix: Water
Analysis Batch: 398820

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 3.58 | J | mg/L | | 72 | 50 - 150 |

Lab Sample ID: 400-153669-1 MS
Matrix: Water
Analysis Batch: 398820

Client Sample ID: AY11145 MW-15
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 77 | F1 | 50.0 | 82.9 | F1 | mg/L | | 12 | 77 - 128 |

Lab Sample ID: 400-153669-1 MSD
Matrix: Water
Analysis Batch: 398820

Client Sample ID: AY11145 MW-15
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Sulfate | 77 | F1 | 50.0 | 84.0 | F1 | mg/L | | 14 | 77 - 128 | 1 | 5 |

Lab Sample ID: 400-153669-10 MS
Matrix: Water
Analysis Batch: 398820

Client Sample ID: AY11154 MW-9S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 360 | F1 | 200 | 356 | F1 | mg/L | | -2 | 77 - 128 |

Lab Sample ID: 400-153669-10 MSD
Matrix: Water
Analysis Batch: 398820

Client Sample ID: AY11154 MW-9S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Sulfate | 360 | F1 | 200 | 357 | F1 | mg/L | | -1 | 77 - 128 | 0 | 5 |

Lab Sample ID: MB 400-398855/6
Matrix: Water
Analysis Batch: 398855

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/24/18 12:31 | 1 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Lab Sample ID: LCS 400-398855/7
Matrix: Water
Analysis Batch: 398855

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 13.8 | | mg/L | | 92 | 90 - 110 |

Lab Sample ID: MRL 400-398855/3
Matrix: Water
Analysis Batch: 398855

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 3.47 | J | mg/L | | 69 | 50 - 150 |

Lab Sample ID: 400-153669-19 MS
Matrix: Water
Analysis Batch: 398855

Client Sample ID: AY11163 MW-4
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 600 | F1 | 200 | 574 | F1 | mg/L | | -14 | 77 - 128 |

Lab Sample ID: 400-153669-19 MSD
Matrix: Water
Analysis Batch: 398855

Client Sample ID: AY11163 MW-4
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 600 | F1 | 200 | 575 | F1 | mg/L | | -14 | 77 - 128 | 0 | 5 |

Lab Sample ID: MB 400-399201/6
Matrix: Water
Analysis Batch: 399201

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 05/29/18 08:35 | 1 |

Lab Sample ID: LCS 400-399201/7
Matrix: Water
Analysis Batch: 399201

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 13.9 | | mg/L | | 93 | 90 - 110 |

Lab Sample ID: MRL 400-399201/3
Matrix: Water
Analysis Batch: 399201

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 3.20 | J | mg/L | | 64 | 50 - 150 |

Lab Sample ID: 400-153730-A-1 MS
Matrix: Water
Analysis Batch: 399201

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 16 | | 10.0 | 26.1 | | mg/L | | 104 | 77 - 128 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 400-153730-A-1 MSD
 Matrix: Water
 Analysis Batch: 399201

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 16 | | 10.0 | 26.4 | | mg/L | | 106 | 77 - 128 | 1 | 5 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody Record

| | | | | | | | | |
|--|--|---|--|---|---|--|--|--|
| Client Information Sampler: Ben Rofschadl Phone: Sarah Copeland Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Callera State, Zip: AL, 35040 Phone: 205-564-6121 (Tel) Email: sgcopela@southermco.com Project Name: CCR Site: Miller Ash Pond 1150 | | Lab PM: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com Camer Tracking No(e): 400-56525-24537.1 Page: Page 1 of 2 Job #: | | | | | | |
| Due Date Requested: TAT Requested (days): Routine PO #: 40007143 WO #: Miller Ash Pond 1150 | | Analysis Requested Total Number of containers: 2 Special Instructions/Note: | | | | | | |
| Sample Identification | | Preservation Codes: A-HCL M-Hexane B-NaOH N-None C-Zn Acetate P-NiSO4S D-Nitric Acid Q-Ni2SO3 E-NaHSO4 R-Na2S2O3 F-MeOH S-H2SO4 G-Anchlor T-TSP Dodecahydrate I-Ice U-Acetone J-DI Water V-MCAA K-EDTA W-ph 4-5 L-EDA Z-other (specify) Other: | | | | | | |
| Sample ID AY11145 AY11146 AY11147 AY11148 AY11149 AY11150 AY11151 AY11152 AY11153 AY11154 AY11155 AY11156 | Sample Date 5/7/18 5/7/18 5/7/18 5/7/18 5/8/18 5/8/18 5/8/18 5/8/18 5/8/18 5/8/18 5/8/18 5/8/18 | Sample Time 1304 1426 1426 1500 0905 1010 1118 1118 1250 1445 1545 1615 | Sample Type (C=comp, G=grab) G G G G G G G G G G G G G G | Matrix (Water, Solid, Chemical, etc.) Water Water Water Water Water Water Water Water Water Water Water Water Water Water Water | Field Filtered Sample (Yes or No) N X X X X X X X X X X X X X X | Perform MS/MSD (Yes or No) N X X X X X X X X X X X X X X | SM 4500 F.C SM 4500 C.E SM 4500 S.O4.E 9315 Ra226, 9320 Ra228, R228R228, R228R228, G.F.P.C | Special Instructions/Note: MW-15 MW-16 MW-16 Dup (Sample Duplicate) FB-1 (Field Blank) MW-14 MW-13D MW-13S MW-13S Dup (Sample Duplicate) MW-12 MW-9S MW-9D FB-2 (Field Blank) |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: | | | | | | |
| Empty Kit Relinquished by: Relinquished by: Sarah Copeland Relinquished by: Relinquished by: | | Method of Shipment: Date/Time: 5/15/18 09:00 Date/Time: Date/Time: | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Cooler Temperature(s) °C and Other Remarks: 16.5°C | | | | | | |

Chain of Custody Record

| | | | | | | | | | | | |
|--|---------|--|---|--|---|---|---|---|---|---|-----------------------------|
| Client Information | | Sampler: Ben Rothschild/ Anthony Goggins Lab Piv: Whitmire, Cheyenne R Client Contact: Sarah Copeland Phone: _____ E-Mail: cheyenne.whitmire@testamericainc.com Company: _____ | | Carrier Tracking No(s): _____ COC No: 400-56525-24537.1 Page: _____ Page 2 of 2 Job #: _____ | | | | | | | |
| Due Date Requested: _____ TAT Requested (days): _____ Routine | | Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> X Total Number of Containers <input checked="" type="checkbox"/> X | | Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - Nitric Acid F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDTA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCA W - pH 4-5 Z - other (specify) | | | | | | | |
| Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6121(Tel) Email: sgcopella@southemco.com Project #: 40007143 CCR: _____ Site: Miller Ash Pond 1150 | | Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, A=air, T=tissue, A=AU) Preservation Code: | | Special Instructions/Note: 9315_R4226, 9320_R4228, R4226R4228 GPFC SM 4500 SO4_m SM 4500 Cl_m SM 4500 F_c | | | | | | | |
| AY11157 | 5/9/18 | 0920 | G | Water | Y | X | X | X | X | 4 | MW-8S |
| AY11158 | 5/9/18 | 1030 | G | Water | X | X | X | X | X | 2 | MW-8D |
| AY11159 | 5/9/18 | 1155 | G | Water | X | X | X | X | X | 2 | MW-7S |
| AY11160 | 5/9/18 | 1250 | G | Water | X | X | X | X | X | 2 | MW-7D |
| AY11161 | 5/9/18 | 1350 | G | Water | X | X | X | X | X | 2 | MW-6 |
| AY11162 | 5/9/18 | 1350 | G | Water | X | X | X | X | X | 2 | MW-6 Dup (Sample Duplicate) |
| AY11163 | 5/9/18 | 1508 | G | Water | X | X | X | X | X | 2 | MW-4 |
| AY11164 | 5/9/18 | 1535 | G | Water | X | X | X | X | X | 2 | FB-3 (Field Blank) |
| AY11165 | 5/10/18 | 907 | G | Water | X | X | X | X | X | 2 | MW-3S |
| AY11166 | 5/10/18 | 1022 | G | Water | X | X | X | X | X | 2 | MW-3D |
| AY11167 | 5/10/18 | 1208 | G | Water | X | X | X | X | X | 2 | MW-10 |
| AY11168 | 5/10/18 | 1235 | G | Water | X | X | X | X | X | 2 | EB-1 (Equipment Blank) |
| AY11169 | 5/9/18 | 1700 | G | Water | X | X | X | X | X | 2 | MW-11 |
| AY11170 | 5/9/18 | 1139 | G | Water | X | X | X | X | X | 2 | MW-1 |
| AY11171 | 5/9/18 | 1322 | G | Water | X | X | X | X | X | 2 | MW-2 |
| AY11172 | 5/9/18 | 1621 | G | Water | X | X | X | X | X | 2 | PZ-5 |
| AY11173 | 5/9/18 | 1729 | G | Water | X | X | X | X | X | 2 | MW-5 |

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

Special Instructions/QC Requirements:
 Empty Kit Relinquished by: _____
 Relinquished by: Sarah Copeland
 Relinquished by: _____
 Relinquished by: _____
 Custody Seals Intact: _____
 Δ Yes Δ No

Received by: _____
 Date/Time: 5/15/18 0910
 Company: APC
 Received by: _____
 Date/Time: _____
 Company: _____
 Received by: _____
 Date/Time: _____
 Company: _____
 Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-153669-1
SDG Number: Miller Ash Pond 1150

Login Number: 153669

List Number: 1

Creator: Perez, Trina M

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|---|--------|-------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 16.5°C IR-7 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-1
 SDG: Miller Ash Pond 1150

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-18 |
| ANAB | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-18 |
| California | ELAP | 9 | 2510 | 06-30-18 |
| Florida | NELAP | 4 | E81010 | 06-30-18 |
| Georgia | State Program | 4 | N/A | 06-30-18 |
| Illinois | NELAP | 5 | 200041 | 10-09-18 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-18 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| Louisiana | NELAP | 6 | 30976 | 06-30-18 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-18 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-18 |
| Michigan | State Program | 5 | 9912 | 06-30-18 |
| New Jersey | NELAP | 2 | FL006 | 06-30-18 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-18 |
| Tennessee | State Program | 4 | TN02907 | 06-30-18 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-18 |
| Washington | State Program | 10 | C915 | 05-15-19 |



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-153669-2

TestAmerica Sample Delivery Group: Miller Ash Pond 1150

Client Project/Site: CCR Plant Miller

For:

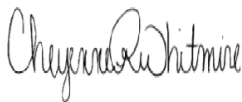
Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Sarah Copeland



Authorized for release by:

7/3/2018 4:20:05 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Case Narrative | 3 |
| Method Summary | 4 |
| Sample Summary | 5 |
| Client Sample Results | 6 |
| Definitions | 35 |
| Chronicle | 36 |
| QC Association | 44 |
| QC Sample Results | 46 |
| Chain of Custody | 51 |
| Receipt Checklists | 53 |
| Certification Summary | 55 |

Case Narrative

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Job ID: 400-153669-2

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-153669-2

RAD

Method(s) 9320: Radium-228 Prep Batch: 160-366759. The following sample was ran on a detector (Purple 3) with a failing Beta background daily QC check: AY11162 MW-6 DUP (400-153669-18). The detector initially passed but failed on a recount performed to verify the Alpha background failing. The detector passed both the proceeding day (6/3/18) and the following day (6/5/18) for Beta QC limits; therefor, this occurrence was evaluated and determined to be random in nature. The data have been reported with this narrative.

Method(s) 9320: Radium-228 Prep Batch: 160-368837. The Ra-228 detection goal (1.00 pCi/L) was not met for the following sample due to insufficient sample available for analysis (See prep non-conformance memo: 160-140410): AY11153 MW-12 (400-153669-9). Analytical results are reported with the detection limit achieved.

Method(s) PrecSep_0: Radium 228 Prep Batch 160-366759: Sample aliquots reduced due to limited sample volume. AY11154 MW-9S (400-153669-10), AY11155 MW-9D (400-153669-11), AY11156 FB-2 (400-153669-12), AY11157 MW-8S (400-153669-13), AY11157 MW-8S (400-153669-13[DUJ]), AY11158 MW-8D (400-153669-14), AY11159 MW-7S (400-153669-15), AY11160 MW-7D (400-153669-16), AY11161 MW-6 (400-153669-17), AY11162 MW-6 DUP (400-153669-18), AY11163 MW-4 (400-153669-19), AY11164 FB-3 (400-153669-20), AY11165 MW-3S (400-153669-21), AY11166 MW-3D (400-153669-22), AY11167 MW-10 (400-153669-23), AY11168 EB-1 (400-153669-24), AY11169 MW-11 (400-153669-25), AY11170 MW-1 (400-153669-26), AY11171 MW-2 (400-153669-27), AY11172 PZ-5 (400-153669-28) and AY11173 MW-5 (400-153669-29)

Method(s) PrecSep_0: Radium 228 Prep Batch 160-366772: Sample aliquots reduced due to limited sample volume. AY11145 MW-15 (400-153669-1), AY11146 MW-16 (400-153669-2), AY11147 MW-16 DUP (400-153669-3), AY11148 FB-1 (400-153669-4), AY11149 MW-14 (400-153669-5), AY11149 MW-14 (400-153669-5[DUJ]), AY11150 MW-13D (400-153669-6), AY11151 MW-13S (400-153669-7) and AY11152 MW-13S DUP (400-153669-8)

Method(s) PrecSep_0: Radium 228 Prep Batch 160-368837: Sample aliquot reduced due to limited sample volume. All containers were consumed. AY11153 MW-12 (400-153669-9)

Method(s) PrecSep-21: Radium 226 Prep Batch 160-366752: Sample aliquots reduced due to limited sample volume. AY11154 MW-9S (400-153669-10), AY11155 MW-9D (400-153669-11), AY11156 FB-2 (400-153669-12), AY11157 MW-8S (400-153669-13), AY11157 MW-8S (400-153669-13[DUJ]), AY11158 MW-8D (400-153669-14), AY11159 MW-7S (400-153669-15), AY11160 MW-7D (400-153669-16), AY11161 MW-6 (400-153669-17), AY11162 MW-6 DUP (400-153669-18), AY11163 MW-4 (400-153669-19), AY11164 FB-3 (400-153669-20), AY11165 MW-3S (400-153669-21), AY11166 MW-3D (400-153669-22), AY11167 MW-10 (400-153669-23), AY11168 EB-1 (400-153669-24), AY11169 MW-11 (400-153669-25), AY11170 MW-1 (400-153669-26), AY11171 MW-2 (400-153669-27), AY11172 PZ-5 (400-153669-28) and AY11173 MW-5 (400-153669-29)

Method(s) PrecSep-21: Radium 226 Prep Batch 160-366761: Sample aliquots reduced due to limited sample volume. AY11145 MW-15 (400-153669-1), AY11146 MW-16 (400-153669-2), AY11147 MW-16 DUP (400-153669-3), AY11148 FB-1 (400-153669-4), AY11149 MW-14 (400-153669-5), AY11149 MW-14 (400-153669-5[DUJ]), AY11150 MW-13D (400-153669-6), AY11151 MW-13S (400-153669-7) and AY11152 MW-13S DUP (400-153669-8)

Method(s) PrecSep-21: Radium 226 Prep Batch 160-368814: Sample aliquot reduced due to limited sample volume. All containers were consumed. AY11153 MW-12 (400-153669-9)

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

| Method | Method Description | Protocol | Laboratory |
|-------------|--|----------|------------|
| 9315 | Radium-226 (GFPC) | SW846 | TAL SL |
| 9320 | Radium-228 (GFPC) | SW846 | TAL SL |
| Ra226_Ra228 | Combined Radium-226 and Radium-228 | TAL-STL | TAL SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | TAL SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | TAL SL |

Protocol References:

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--------------------|--------|----------------|----------------|
| 400-153669-1 | AY11145 MW-15 | Water | 05/07/18 13:04 | 05/15/18 09:10 |
| 400-153669-2 | AY11146 MW-16 | Water | 05/07/18 14:26 | 05/15/18 09:10 |
| 400-153669-3 | AY11147 MW-16 DUP | Water | 05/07/18 14:26 | 05/15/18 09:10 |
| 400-153669-4 | AY11148 FB-1 | Water | 05/07/18 15:00 | 05/15/18 09:10 |
| 400-153669-5 | AY11149 MW-14 | Water | 05/08/18 09:05 | 05/15/18 09:10 |
| 400-153669-6 | AY11150 MW-13D | Water | 05/08/18 10:10 | 05/15/18 09:10 |
| 400-153669-7 | AY11151 MW-13S | Water | 05/08/18 11:18 | 05/15/18 09:10 |
| 400-153669-8 | AY11152 MW-13S DUP | Water | 05/08/18 11:18 | 05/15/18 09:10 |
| 400-153669-9 | AY11153 MW-12 | Water | 05/08/18 12:50 | 05/15/18 09:10 |
| 400-153669-10 | AY11154 MW-9S | Water | 05/08/18 14:45 | 05/15/18 09:10 |
| 400-153669-11 | AY11155 MW-9D | Water | 05/08/18 15:45 | 05/15/18 09:10 |
| 400-153669-12 | AY11156 FB-2 | Water | 05/08/18 16:15 | 05/15/18 09:10 |
| 400-153669-13 | AY11157 MW-8S | Water | 05/09/18 09:20 | 05/15/18 09:10 |
| 400-153669-14 | AY11158 MW-8D | Water | 05/09/18 10:30 | 05/15/18 09:10 |
| 400-153669-15 | AY11159 MW-7S | Water | 05/09/18 11:55 | 05/15/18 09:10 |
| 400-153669-16 | AY11160 MW-7D | Water | 05/09/18 12:50 | 05/15/18 09:10 |
| 400-153669-17 | AY11161 MW-6 | Water | 05/09/18 13:50 | 05/15/18 09:10 |
| 400-153669-18 | AY11162 MW-6 DUP | Water | 05/09/18 13:50 | 05/15/18 09:10 |
| 400-153669-19 | AY11163 MW-4 | Water | 05/09/18 15:08 | 05/15/18 09:10 |
| 400-153669-20 | AY11164 FB-3 | Water | 05/09/18 15:35 | 05/15/18 09:10 |
| 400-153669-21 | AY11165 MW-3S | Water | 05/10/18 09:07 | 05/15/18 09:10 |
| 400-153669-22 | AY11166 MW-3D | Water | 05/10/18 10:22 | 05/15/18 09:10 |
| 400-153669-23 | AY11167 MW-10 | Water | 05/10/18 12:08 | 05/15/18 09:10 |
| 400-153669-24 | AY11168 EB-1 | Water | 05/10/18 12:35 | 05/15/18 09:10 |
| 400-153669-25 | AY11169 MW-11 | Water | 05/08/18 17:00 | 05/15/18 09:10 |
| 400-153669-26 | AY11170 MW-1 | Water | 05/09/18 11:39 | 05/15/18 09:10 |
| 400-153669-27 | AY11171 MW-2 | Water | 05/09/18 13:22 | 05/15/18 09:10 |
| 400-153669-28 | AY11172 PZ-5 | Water | 05/09/18 16:21 | 05/15/18 09:10 |
| 400-153669-29 | AY11173 MW-5 | Water | 05/09/18 17:29 | 05/15/18 09:10 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11145 MW-15

Lab Sample ID: 400-153669-1

Date Collected: 05/07/18 13:04

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.152 | | 0.0953 | 0.0963 | 1.00 | 0.128 | pCi/L | 05/21/18 11:11 | 06/14/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 15:57 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.463 | | 0.275 | 0.279 | 1.00 | 0.415 | pCi/L | 05/21/18 12:10 | 05/31/18 09:22 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:22 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:22 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.615 | | 0.291 | 0.295 | 5.00 | 0.415 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11146 MW-16

Lab Sample ID: 400-153669-2

Date Collected: 05/07/18 14:26

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.205 | | 0.0877 | 0.0896 | 1.00 | 0.0825 | pCi/L | 05/21/18 11:11 | 06/14/18 15:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 106 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 15:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.239 | U | 0.275 | 0.276 | 1.00 | 0.452 | pCi/L | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 106 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.444 | U | 0.289 | 0.290 | 5.00 | 0.452 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11147 MW-16 DUP

Lab Sample ID: 400-153669-3

Date Collected: 05/07/18 14:26

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.118 | | 0.0790 | 0.0797 | 1.00 | 0.108 | pCi/L | 05/21/18 11:11 | 06/14/18 16:00 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 16:00 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.298 | U | 0.290 | 0.291 | 1.00 | 0.470 | pCi/L | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Y Carrier | 83.4 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.416 | U | 0.301 | 0.302 | 5.00 | 0.470 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11148 FB-1

Lab Sample ID: 400-153669-4

Date Collected: 05/07/18 15:00

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0655 | U | 0.0684 | 0.0686 | 1.00 | 0.108 | pCi/L | 05/21/18 11:11 | 06/14/18 17:44 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 17:44 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.277 | U | 0.274 | 0.276 | 1.00 | 0.445 | pCi/L | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Y Carrier | 85.6 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.343 | U | 0.282 | 0.284 | 5.00 | 0.445 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11149 MW-14

Lab Sample ID: 400-153669-5

Date Collected: 05/08/18 09:05

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.119 | | 0.0737 | 0.0745 | 1.00 | 0.0882 | pCi/L | 05/21/18 11:11 | 06/14/18 17:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.1 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 17:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.531 | | 0.332 | 0.336 | 1.00 | 0.509 | pCi/L | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.1 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |
| Y Carrier | 85.2 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:23 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.650 | | 0.340 | 0.344 | 5.00 | 0.509 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11150 MW-13D

Lab Sample ID: 400-153669-6

Date Collected: 05/08/18 10:10

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.133 | | 0.0760 | 0.0769 | 1.00 | 0.0865 | pCi/L | 05/21/18 11:11 | 06/14/18 19:33 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 19:33 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.308 | U | 0.305 | 0.307 | 1.00 | 0.495 | pCi/L | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Y Carrier | 82.6 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:26 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.441 | U | 0.314 | 0.316 | 5.00 | 0.495 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11151 MW-13S

Lab Sample ID: 400-153669-7

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.132 | | 0.0813 | 0.0822 | 1.00 | 0.108 | pCi/L | 05/21/18 11:11 | 06/14/18 19:33 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 19:33 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.460 | U | 0.369 | 0.371 | 1.00 | 0.587 | pCi/L | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Y Carrier | 74.8 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:26 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.592 | | 0.378 | 0.380 | 5.00 | 0.587 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11152 MW-13S DUP

Lab Sample ID: 400-153669-8

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.206 | | 0.105 | 0.107 | 1.00 | 0.130 | pCi/L | 05/21/18 11:11 | 06/14/18 19:35 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 05/21/18 11:11 | 06/14/18 19:35 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.314 | U | 0.275 | 0.277 | 1.00 | 0.440 | pCi/L | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Y Carrier | 87.1 | | 40 - 110 | | | | | 05/21/18 12:10 | 05/31/18 09:26 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.519 | | 0.294 | 0.297 | 5.00 | 0.440 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11153 MW-12

Lab Sample ID: 400-153669-9

Date Collected: 05/08/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.289 | | 0.187 | 0.189 | 1.00 | 0.224 | pCi/L | 06/05/18 09:17 | 06/30/18 09:44 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 06/05/18 09:17 | 06/30/18 09:44 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Radium-228 | 0.564 | U G | 0.810 | 0.812 | 1.00 | 1.36 | pCi/L | 06/05/18 10:41 | 06/14/18 15:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 06/05/18 10:41 | 06/14/18 15:16 | 1 |
| Y Carrier | 95.7 | | 40 - 110 | | | | | 06/05/18 10:41 | 06/14/18 15:16 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.854 | U | 0.831 | 0.834 | 5.00 | 1.36 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11154 MW-9S

Lab Sample ID: 400-153669-10

Date Collected: 05/08/18 14:45

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.127 | | 0.0830 | 0.0838 | 1.00 | 0.109 | pCi/L | 05/21/18 10:41 | 06/18/18 19:15 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.2 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:15 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.457 | U | 0.304 | 0.307 | 1.00 | 0.467 | pCi/L | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.2 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Y Carrier | 89.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.583 | | 0.315 | 0.318 | 5.00 | 0.467 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11155 MW-9D

Lab Sample ID: 400-153669-11

Date Collected: 05/08/18 15:45

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.160 | | 0.0950 | 0.0961 | 1.00 | 0.125 | pCi/L | 05/21/18 10:41 | 06/18/18 19:15 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:15 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.153 | U | 0.264 | 0.264 | 1.00 | 0.448 | pCi/L | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Y Carrier | 92.7 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.313 | U | 0.281 | 0.281 | 5.00 | 0.448 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11156 FB-2

Lab Sample ID: 400-153669-12

Date Collected: 05/08/18 16:15

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0383 | U | 0.0661 | 0.0662 | 1.00 | 0.116 | pCi/L | 05/21/18 10:41 | 06/18/18 19:17 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.3 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:17 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0143 | U | 0.277 | 0.277 | 1.00 | 0.496 | pCi/L | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.3 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Y Carrier | 89.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0527 | U | 0.285 | 0.285 | 5.00 | 0.496 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11157 MW-8S

Lab Sample ID: 400-153669-13

Date Collected: 05/09/18 09:20

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.128 | | 0.0817 | 0.0826 | 1.00 | 0.107 | pCi/L | 05/21/18 10:41 | 06/18/18 19:18 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.2 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:18 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0810 | U | 0.315 | 0.315 | 1.00 | 0.574 | pCi/L | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.2 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Y Carrier | 88.6 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0470 | U | 0.325 | 0.326 | 5.00 | 0.574 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11158 MW-8D

Lab Sample ID: 400-153669-14

Date Collected: 05/09/18 10:30

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0580 | U | 0.0777 | 0.0778 | 1.00 | 0.130 | pCi/L | 05/21/18 10:41 | 06/18/18 19:18 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.5 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:18 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.171 | U | 0.233 | 0.234 | 1.00 | 0.462 | pCi/L | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.5 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Y Carrier | 87.5 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | -0.113 | U | 0.246 | 0.247 | 5.00 | 0.462 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11159 MW-7S

Lab Sample ID: 400-153669-15

Date Collected: 05/09/18 11:55

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.146 | | 0.0943 | 0.0952 | 1.00 | 0.128 | pCi/L | 05/21/18 10:41 | 06/18/18 19:18 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.6 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:18 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.102 | U | 0.283 | 0.283 | 1.00 | 0.491 | pCi/L | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.6 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |
| Y Carrier | 91.6 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:38 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.248 | U | 0.298 | 0.299 | 5.00 | 0.491 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11160 MW-7D

Lab Sample ID: 400-153669-16

Date Collected: 05/09/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.200 | | 0.101 | 0.102 | 1.00 | 0.122 | pCi/L | 05/21/18 10:41 | 06/18/18 19:18 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.8 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:18 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.194 | U | 0.305 | 0.305 | 1.00 | 0.514 | pCi/L | 05/21/18 11:07 | 06/04/18 16:39 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.8 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:39 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:39 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.395 | U | 0.321 | 0.322 | 5.00 | 0.514 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11161 MW-6

Lab Sample ID: 400-153669-17

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0505 | U | 0.0670 | 0.0672 | 1.00 | 0.112 | pCi/L | 05/21/18 10:41 | 06/18/18 19:19 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.8 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:19 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0556 | U | 0.318 | 0.318 | 1.00 | 0.558 | pCi/L | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.8 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Y Carrier | 84.1 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.106 | U | 0.325 | 0.325 | 5.00 | 0.558 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11162 MW-6 DUP

Lab Sample ID: 400-153669-18

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0900 | U | 0.0817 | 0.0821 | 1.00 | 0.124 | pCi/L | 05/21/18 10:41 | 06/18/18 19:20 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:20 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0980 | U | 0.294 | 0.295 | 1.00 | 0.511 | pCi/L | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.188 | U | 0.305 | 0.306 | 5.00 | 0.511 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11163 MW-4

Lab Sample ID: 400-153669-19

Date Collected: 05/09/18 15:08

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.102 | | 0.0710 | 0.0715 | 1.00 | 0.0920 | pCi/L | 05/21/18 10:41 | 06/18/18 19:20 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 19:20 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.110 | U | 0.304 | 0.304 | 1.00 | 0.557 | pCi/L | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Y Carrier | 92.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|----------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | -0.00808 | U | 0.312 | 0.312 | 5.00 | 0.557 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11164 FB-3

Lab Sample ID: 400-153669-20

Date Collected: 05/09/18 15:35

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0498 | U | 0.0698 | 0.0699 | 1.00 | 0.118 | pCi/L | 05/21/18 10:41 | 06/18/18 20:05 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.0 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 20:05 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0417 | U | 0.301 | 0.301 | 1.00 | 0.536 | pCi/L | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 85.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |
| Y Carrier | 89.3 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:41 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0915 | U | 0.309 | 0.309 | 5.00 | 0.536 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11165 MW-3S

Lab Sample ID: 400-153669-21

Date Collected: 05/10/18 09:07

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0342 | U | 0.0704 | 0.0705 | 1.00 | 0.127 | pCi/L | 05/21/18 10:41 | 06/18/18 20:09 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.2 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 20:09 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.102 | U | 0.294 | 0.294 | 1.00 | 0.545 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.2 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | -0.0676 | U | 0.302 | 0.302 | 5.00 | 0.545 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11166 MW-3D

Lab Sample ID: 400-153669-22

Date Collected: 05/10/18 10:22

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.118 | | 0.0848 | 0.0854 | 1.00 | 0.118 | pCi/L | 05/21/18 10:41 | 06/18/18 20:09 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 20:09 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0287 | U | 0.300 | 0.300 | 1.00 | 0.531 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 87.5 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.147 | U | 0.312 | 0.312 | 5.00 | 0.531 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11167 MW-10

Lab Sample ID: 400-153669-23

Date Collected: 05/10/18 12:08

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.129 | | 0.0844 | 0.0852 | 1.00 | 0.111 | pCi/L | 05/21/18 10:41 | 06/18/18 20:11 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.8 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 20:11 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.254 | U | 0.291 | 0.292 | 1.00 | 0.479 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 93.8 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.383 | U | 0.303 | 0.304 | 5.00 | 0.479 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11168 EB-1

Lab Sample ID: 400-153669-24

Date Collected: 05/10/18 12:35

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0448 | U | 0.0662 | 0.0663 | 1.00 | 0.114 | pCi/L | 05/21/18 10:41 | 06/18/18 20:11 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 80.5 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 20:11 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.160 | U | 0.349 | 0.349 | 1.00 | 0.598 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 80.5 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 90.1 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.205 | U | 0.355 | 0.355 | 5.00 | 0.598 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11169 MW-11

Lab Sample ID: 400-153669-25

Date Collected: 05/08/18 17:00

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0930 | U | 0.0752 | 0.0757 | 1.00 | 0.107 | pCi/L | 05/21/18 10:41 | 06/19/18 05:29 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.3 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/19/18 05:29 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0173 | U | 0.303 | 0.303 | 1.00 | 0.544 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 92.3 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 92.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0757 | U | 0.312 | 0.312 | 5.00 | 0.544 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11170 MW-1

Lab Sample ID: 400-153669-26

Date Collected: 05/09/18 11:39

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.157 | | 0.0847 | 0.0859 | 1.00 | 0.0976 | pCi/L | 05/21/18 10:41 | 06/19/18 05:29 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/19/18 05:29 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.257 | U | 0.291 | 0.292 | 1.00 | 0.478 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.413 | U | 0.303 | 0.304 | 5.00 | 0.478 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11171 MW-2
Date Collected: 05/09/18 13:22
Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-27
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.0901 | | 0.0662 | 0.0667 | 1.00 | 0.0882 | pCi/L | 05/21/18 10:41 | 06/19/18 05:29 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/19/18 05:29 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.211 | U | 0.324 | 0.324 | 1.00 | 0.544 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 87.1 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.301 | U | 0.331 | 0.331 | 5.00 | 0.544 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11172 PZ-5

Lab Sample ID: 400-153669-28

Date Collected: 05/09/18 16:21

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0874 | U | 0.0788 | 0.0792 | 1.00 | 0.118 | pCi/L | 05/21/18 10:41 | 06/19/18 05:29 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/19/18 05:29 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0835 | U | 0.329 | 0.329 | 1.00 | 0.573 | pCi/L | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 95.0 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:42 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.171 | U | 0.338 | 0.338 | 5.00 | 0.573 | pCi/L | | 07/02/18 11:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11173 MW-5

Lab Sample ID: 400-153669-29

Date Collected: 05/09/18 17:29

Matrix: Water

Date Received: 05/15/18 09:10

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.0929 | U | 0.0773 | 0.0777 | 1.00 | 0.114 | pCi/L | 05/21/18 10:41 | 06/18/18 21:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.1 | | 40 - 110 | | | | | 05/21/18 10:41 | 06/18/18 21:16 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.422 | U | 0.350 | 0.352 | 1.00 | 0.558 | pCi/L | 05/21/18 11:07 | 06/04/18 16:34 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.1 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:34 | 1 |
| Y Carrier | 91.6 | | 40 - 110 | | | | | 05/21/18 11:07 | 06/04/18 16:34 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.515 | U | 0.358 | 0.360 | 5.00 | 0.558 | pCi/L | | 07/02/18 11:13 | 1 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Qualifiers

Rad

| Qualifier | Qualifier Description |
|-----------|--|
| U | Result is less than the sample detection limit. |
| G | The Sample MDC is greater than the requested RL. |

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11145 MW-15

Date Collected: 05/07/18 13:04

Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370598 | 06/14/18 15:57 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368163 | 05/31/18 09:22 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11146 MW-16

Date Collected: 05/07/18 14:26

Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370595 | 06/14/18 15:59 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368163 | 05/31/18 09:23 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11147 MW-16 DUP

Date Collected: 05/07/18 14:26

Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370596 | 06/14/18 16:00 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368163 | 05/31/18 09:23 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11148 FB-1

Date Collected: 05/07/18 15:00

Date Received: 05/15/18 09:10

Lab Sample ID: 400-153669-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370596 | 06/14/18 17:44 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368163 | 05/31/18 09:23 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11149 MW-14

Lab Sample ID: 400-153669-5

Date Collected: 05/08/18 09:05

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370595 | 06/14/18 17:43 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368163 | 05/31/18 09:23 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11150 MW-13D

Lab Sample ID: 400-153669-6

Date Collected: 05/08/18 10:10

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370595 | 06/14/18 19:33 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368164 | 05/31/18 09:26 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11151 MW-13S

Lab Sample ID: 400-153669-7

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370596 | 06/14/18 19:33 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368164 | 05/31/18 09:26 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11152 MW-13S DUP

Lab Sample ID: 400-153669-8

Date Collected: 05/08/18 11:18

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366761 | 05/21/18 11:11 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370598 | 06/14/18 19:35 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366772 | 05/21/18 12:10 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368164 | 05/31/18 09:26 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11153 MW-12

Lab Sample ID: 400-153669-9

Date Collected: 05/08/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 368814 | 06/05/18 09:17 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 373287 | 06/30/18 09:44 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 368837 | 06/05/18 10:41 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 370595 | 06/14/18 15:16 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11154 MW-9S

Lab Sample ID: 400-153669-10

Date Collected: 05/08/18 14:45

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370841 | 06/18/18 19:15 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:38 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11155 MW-9D

Lab Sample ID: 400-153669-11

Date Collected: 05/08/18 15:45

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370841 | 06/18/18 19:15 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:38 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11156 FB-2

Lab Sample ID: 400-153669-12

Date Collected: 05/08/18 16:15

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 19:17 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:38 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11157 MW-8S

Lab Sample ID: 400-153669-13

Date Collected: 05/09/18 09:20

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 19:18 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:38 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11158 MW-8D

Lab Sample ID: 400-153669-14

Date Collected: 05/09/18 10:30

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 19:18 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:38 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11159 MW-7S

Lab Sample ID: 400-153669-15

Date Collected: 05/09/18 11:55

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 19:18 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:38 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11160 MW-7D

Lab Sample ID: 400-153669-16

Date Collected: 05/09/18 12:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 19:18 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368697 | 06/04/18 16:39 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11161 MW-6

Lab Sample ID: 400-153669-17

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 19:19 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:41 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11162 MW-6 DUP

Lab Sample ID: 400-153669-18

Date Collected: 05/09/18 13:50

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370842 | 06/18/18 19:20 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:41 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11163 MW-4

Lab Sample ID: 400-153669-19

Date Collected: 05/09/18 15:08

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370842 | 06/18/18 19:20 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:41 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11164 FB-3

Lab Sample ID: 400-153669-20

Date Collected: 05/09/18 15:35

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370841 | 06/18/18 20:05 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:41 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Client Sample ID: AY11165 MW-3S

Lab Sample ID: 400-153669-21

Date Collected: 05/10/18 09:07

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370841 | 06/18/18 20:09 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11166 MW-3D

Lab Sample ID: 400-153669-22

Date Collected: 05/10/18 10:22

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370841 | 06/18/18 20:09 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11167 MW-10

Lab Sample ID: 400-153669-23

Date Collected: 05/10/18 12:08

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370842 | 06/18/18 20:11 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11168 EB-1

Lab Sample ID: 400-153669-24

Date Collected: 05/10/18 12:35

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370842 | 06/18/18 20:11 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11169 MW-11

Lab Sample ID: 400-153669-25

Date Collected: 05/08/18 17:00

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 371107 | 06/19/18 05:29 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11170 MW-1

Lab Sample ID: 400-153669-26

Date Collected: 05/09/18 11:39

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 371107 | 06/19/18 05:29 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11171 MW-2

Lab Sample ID: 400-153669-27

Date Collected: 05/09/18 13:22

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 371107 | 06/19/18 05:29 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Client Sample ID: AY11172 PZ-5

Lab Sample ID: 400-153669-28

Date Collected: 05/09/18 16:21

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 371107 | 06/19/18 05:29 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368696 | 06/04/18 16:42 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Client Sample ID: AY11173 MW-5

Lab Sample ID: 400-153669-29

Date Collected: 05/09/18 17:29

Matrix: Water

Date Received: 05/15/18 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 366752 | 05/21/18 10:41 | ABB | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 370840 | 06/18/18 21:16 | ALS | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 366759 | 05/21/18 11:07 | ABB | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 368703 | 06/04/18 16:34 | ALS | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 373524 | 07/02/18 11:13 | ALS | TAL SL |

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Rad

Prep Batch: 366752

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 400-153669-10 | AY11154 MW-9S | Total/NA | Water | PrecSep-21 | |
| 400-153669-11 | AY11155 MW-9D | Total/NA | Water | PrecSep-21 | |
| 400-153669-12 | AY11156 FB-2 | Total/NA | Water | PrecSep-21 | |
| 400-153669-13 | AY11157 MW-8S | Total/NA | Water | PrecSep-21 | |
| 400-153669-14 | AY11158 MW-8D | Total/NA | Water | PrecSep-21 | |
| 400-153669-15 | AY11159 MW-7S | Total/NA | Water | PrecSep-21 | |
| 400-153669-16 | AY11160 MW-7D | Total/NA | Water | PrecSep-21 | |
| 400-153669-17 | AY11161 MW-6 | Total/NA | Water | PrecSep-21 | |
| 400-153669-18 | AY11162 MW-6 DUP | Total/NA | Water | PrecSep-21 | |
| 400-153669-19 | AY11163 MW-4 | Total/NA | Water | PrecSep-21 | |
| 400-153669-20 | AY11164 FB-3 | Total/NA | Water | PrecSep-21 | |
| 400-153669-21 | AY11165 MW-3S | Total/NA | Water | PrecSep-21 | |
| 400-153669-22 | AY11166 MW-3D | Total/NA | Water | PrecSep-21 | |
| 400-153669-23 | AY11167 MW-10 | Total/NA | Water | PrecSep-21 | |
| 400-153669-24 | AY11168 EB-1 | Total/NA | Water | PrecSep-21 | |
| 400-153669-25 | AY11169 MW-11 | Total/NA | Water | PrecSep-21 | |
| 400-153669-26 | AY11170 MW-1 | Total/NA | Water | PrecSep-21 | |
| 400-153669-27 | AY11171 MW-2 | Total/NA | Water | PrecSep-21 | |
| 400-153669-28 | AY11172 PZ-5 | Total/NA | Water | PrecSep-21 | |
| 400-153669-29 | AY11173 MW-5 | Total/NA | Water | PrecSep-21 | |
| MB 160-366752/23-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-366752/1-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 400-153669-13 DU | AY11157 MW-8S | Total/NA | Water | PrecSep-21 | |

Prep Batch: 366759

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 400-153669-10 | AY11154 MW-9S | Total/NA | Water | PrecSep_0 | |
| 400-153669-11 | AY11155 MW-9D | Total/NA | Water | PrecSep_0 | |
| 400-153669-12 | AY11156 FB-2 | Total/NA | Water | PrecSep_0 | |
| 400-153669-13 | AY11157 MW-8S | Total/NA | Water | PrecSep_0 | |
| 400-153669-14 | AY11158 MW-8D | Total/NA | Water | PrecSep_0 | |
| 400-153669-15 | AY11159 MW-7S | Total/NA | Water | PrecSep_0 | |
| 400-153669-16 | AY11160 MW-7D | Total/NA | Water | PrecSep_0 | |
| 400-153669-17 | AY11161 MW-6 | Total/NA | Water | PrecSep_0 | |
| 400-153669-18 | AY11162 MW-6 DUP | Total/NA | Water | PrecSep_0 | |
| 400-153669-19 | AY11163 MW-4 | Total/NA | Water | PrecSep_0 | |
| 400-153669-20 | AY11164 FB-3 | Total/NA | Water | PrecSep_0 | |
| 400-153669-21 | AY11165 MW-3S | Total/NA | Water | PrecSep_0 | |
| 400-153669-22 | AY11166 MW-3D | Total/NA | Water | PrecSep_0 | |
| 400-153669-23 | AY11167 MW-10 | Total/NA | Water | PrecSep_0 | |
| 400-153669-24 | AY11168 EB-1 | Total/NA | Water | PrecSep_0 | |
| 400-153669-25 | AY11169 MW-11 | Total/NA | Water | PrecSep_0 | |
| 400-153669-26 | AY11170 MW-1 | Total/NA | Water | PrecSep_0 | |
| 400-153669-27 | AY11171 MW-2 | Total/NA | Water | PrecSep_0 | |
| 400-153669-28 | AY11172 PZ-5 | Total/NA | Water | PrecSep_0 | |
| 400-153669-29 | AY11173 MW-5 | Total/NA | Water | PrecSep_0 | |
| MB 160-366759/23-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-366759/1-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 400-153669-13 DU | AY11157 MW-8S | Total/NA | Water | PrecSep_0 | |

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Rad (Continued)

Prep Batch: 366761

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 400-153669-1 | AY11145 MW-15 | Total/NA | Water | PrecSep-21 | |
| 400-153669-2 | AY11146 MW-16 | Total/NA | Water | PrecSep-21 | |
| 400-153669-3 | AY11147 MW-16 DUP | Total/NA | Water | PrecSep-21 | |
| 400-153669-4 | AY11148 FB-1 | Total/NA | Water | PrecSep-21 | |
| 400-153669-5 | AY11149 MW-14 | Total/NA | Water | PrecSep-21 | |
| 400-153669-6 | AY11150 MW-13D | Total/NA | Water | PrecSep-21 | |
| 400-153669-7 | AY11151 MW-13S | Total/NA | Water | PrecSep-21 | |
| 400-153669-8 | AY11152 MW-13S DUP | Total/NA | Water | PrecSep-21 | |
| MB 160-366761/23-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-366761/1-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 400-153669-5 DU | AY11149 MW-14 | Total/NA | Water | PrecSep-21 | |

Prep Batch: 366772

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 400-153669-1 | AY11145 MW-15 | Total/NA | Water | PrecSep_0 | |
| 400-153669-2 | AY11146 MW-16 | Total/NA | Water | PrecSep_0 | |
| 400-153669-3 | AY11147 MW-16 DUP | Total/NA | Water | PrecSep_0 | |
| 400-153669-4 | AY11148 FB-1 | Total/NA | Water | PrecSep_0 | |
| 400-153669-5 | AY11149 MW-14 | Total/NA | Water | PrecSep_0 | |
| 400-153669-6 | AY11150 MW-13D | Total/NA | Water | PrecSep_0 | |
| 400-153669-7 | AY11151 MW-13S | Total/NA | Water | PrecSep_0 | |
| 400-153669-8 | AY11152 MW-13S DUP | Total/NA | Water | PrecSep_0 | |
| MB 160-366772/23-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-366772/1-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 400-153669-5 DU | AY11149 MW-14 | Total/NA | Water | PrecSep_0 | |

Prep Batch: 368814

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|------------|------------|
| 400-153669-9 | AY11153 MW-12 | Total/NA | Water | PrecSep-21 | |
| MB 160-368814/23-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-368814/1-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 400-154450-B-1-E DU | Duplicate | Total/NA | Water | PrecSep-21 | |

Prep Batch: 368837

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|-----------|------------|
| 400-153669-9 | AY11153 MW-12 | Total/NA | Water | PrecSep_0 | |
| MB 160-368837/23-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-368837/1-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 400-154450-B-1-F DU | Duplicate | Total/NA | Water | PrecSep_0 | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-366752/23-A
Matrix: Water
Analysis Batch: 370840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 366752

| Analyte | MB MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------|-----------------|----------------|----------|----------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-226 | 0.06509 | U | 0.0703 | 0.0705 | 1.00 | 0.111 | pCi/L | 05/21/18 10:41 | 06/18/18 21:17 | 1 |
| Carrier | MB MB | | Limits | | | Prepared | Analyzed | Dil Fac | | |
| Ba Carrier | %Yield | Qualifier | | Prepared | Analyzed | | | | | |
| Ba Carrier | 91.2 | | 40 - 110 | 05/21/18 10:41 | 06/18/18 21:17 | 1 | | | | |

Lab Sample ID: LCS 160-366752/1-A
Matrix: Water
Analysis Batch: 370841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366752

| Analyte | Spike Added | LCS Result | LCS Qual | Total | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------|----------------|----------|----------|---------|--------------|
| | | | | Uncert. (2σ+/-) | | | | | |
| Radium-226 | 15.7 | 14.88 | | 1.53 | 1.00 | 0.121 | pCi/L | 95 | 68 - 137 |
| Carrier | LCS LCS | | Limits | | | Prepared | Analyzed | Dil Fac | |
| Ba Carrier | %Yield | Qualifier | | Prepared | Analyzed | | | | |
| Ba Carrier | 87.3 | | 40 - 110 | 05/21/18 10:41 | 06/18/18 21:17 | 1 | | | |

Lab Sample ID: 400-153669-13 DU
Matrix: Water
Analysis Batch: 370840

Client Sample ID: AY11157 MW-8S
Prep Type: Total/NA
Prep Batch: 366752

| Analyte | Sample Sample | | DU | DU | Total | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-----------|----------|----------------|-----------------|----------|----------|---------|------|-----------|
| | Result | Qual | Result | Qual | Uncert. (2σ+/-) | | | | | |
| Radium-226 | 0.128 | | 0.08312 | U | 0.0738 | 1.00 | 0.109 | pCi/L | 0.29 | 1 |
| Carrier | DU DU | | Limits | | | Prepared | Analyzed | Dil Fac | | |
| Ba Carrier | %Yield | Qualifier | | Prepared | Analyzed | | | | | |
| Ba Carrier | 96.5 | | 40 - 110 | 05/21/18 11:11 | 06/15/18 05:37 | 1 | | | | |

Lab Sample ID: MB 160-366761/23-A
Matrix: Water
Analysis Batch: 370620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 366761

| Analyte | MB MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------|-----------------|----------------|----------|----------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-226 | 0.02140 | U | 0.0485 | 0.0485 | 1.00 | 0.0891 | pCi/L | 05/21/18 11:11 | 06/15/18 05:37 | 1 |
| Carrier | MB MB | | Limits | | | Prepared | Analyzed | Dil Fac | | |
| Ba Carrier | %Yield | Qualifier | | Prepared | Analyzed | | | | | |
| Ba Carrier | 103 | | 40 - 110 | 05/21/18 11:11 | 06/15/18 05:37 | 1 | | | | |

Lab Sample ID: LCS 160-366761/1-A
Matrix: Water
Analysis Batch: 370298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366761

| Analyte | Spike Added | LCS Result | LCS Qual | Total | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------|------|--------|-------|------|--------------|
| | | | | Uncert. (2σ+/-) | | | | | |
| Radium-226 | 11.8 | 12.12 | | 1.23 | 1.00 | 0.0912 | pCi/L | 103 | 68 - 137 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-366761/1-A
Matrix: Water
Analysis Batch: 370298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366761

| | LCS | LCS | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 101 | | 40 - 110 |

Lab Sample ID: 400-153669-5 DU
Matrix: Water
Analysis Batch: 370598

Client Sample ID: AY11149 MW-14
Prep Type: Total/NA
Prep Batch: 366761

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-------|
| Radium-226 | 0.119 | | 0.08500 | U | 0.0839 | 1.00 | 0.131 | pCi/L | 0.21 | 1 |

| | DU | DU | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 101 | | 40 - 110 |

Lab Sample ID: MB 160-368814/23-A
Matrix: Water
Analysis Batch: 373286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368814

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|--------|-------|----------------|----------------|---------|
| Radium-226 | 0.008760 | U | 0.0412 | 0.0412 | 1.00 | 0.0821 | pCi/L | 06/05/18 09:17 | 06/30/18 09:39 | 1 |

| | MB | MB | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 98.5 | | 40 - 110 |

| | Prepared | Analyzed | Dil Fac |
|------------|----------------|----------------|---------|
| Ba Carrier | 06/05/18 09:17 | 06/30/18 09:39 | 1 |

Lab Sample ID: LCS 160-368814/1-A
Matrix: Water
Analysis Batch: 373288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368814

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|--------|-------|------|--------------|
| Radium-226 | 11.8 | 11.44 | | 1.16 | 1.00 | 0.0909 | pCi/L | 97 | 68 - 137 |

| | LCS | LCS | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 92.9 | | 40 - 110 |

Lab Sample ID: 400-154450-B-1-E DU
Matrix: Water
Analysis Batch: 373286

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 368814

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|--------|-------|------|-------|
| Radium-226 | 0.0782 | | 0.07650 | U | 0.0656 | 1.00 | 0.0967 | pCi/L | 0.01 | 1 |

| | DU | DU | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 90.3 | | 40 - 110 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-366759/23-A
Matrix: Water
Analysis Batch: 368703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 366759

| Analyte | MB MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|-----------------|-----------------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-228 | -0.03490 | U | 0.277 | 0.277 | 1.00 | 0.505 | pCi/L | 05/21/18 11:07 | 06/04/18 16:34 | 1 |
| Carrier | MB MB | | Limits | | Prepared | Analyzed | Dil Fac | | | |
| | %Yield | Qualifier | | | | | | | | |
| Ba Carrier | 91.2 | | 40 - 110 | | 05/21/18 11:07 | 06/04/18 16:34 | 1 | | | |
| Y Carrier | 94.6 | | 40 - 110 | | 05/21/18 11:07 | 06/04/18 16:34 | 1 | | | |

Lab Sample ID: LCS 160-366759/1-A
Matrix: Water
Analysis Batch: 368697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366759

| Analyte | Spike Added | LCS Result | LCS Qual | Total | RL | MDC | Unit | %Rec | %Rec. |
|------------|-------------|------------|----------|-----------------|----------|----------|---------|------|----------|
| | | | | Uncert. (2σ+/-) | | | | | Limits |
| Radium-228 | 11.0 | 12.72 | | 1.50 | 1.00 | 0.533 | pCi/L | 116 | 56 - 140 |
| Carrier | LCS LCS | | Limits | | Prepared | Analyzed | Dil Fac | | |
| | %Yield | Qualifier | | | | | | | |
| Ba Carrier | 87.3 | | 40 - 110 | | | | | | |
| Y Carrier | 88.6 | | 40 - 110 | | | | | | |

Lab Sample ID: 400-153669-13 DU
Matrix: Water
Analysis Batch: 368697

Client Sample ID: AY11157 MW-8S
Prep Type: Total/NA
Prep Batch: 366759

| Analyte | Sample Sample | | DU | DU | Total | RL | MDC | Unit | RER | RER |
|------------|---------------|-----------|----------|------|-----------------|----------|---------|-------|------|-------|
| | Result | Qual | Result | Qual | Uncert. (2σ+/-) | | | | | Limit |
| Radium-228 | -0.0810 | U | -0.03415 | U | 0.252 | 1.00 | 0.464 | pCi/L | 0.08 | 1 |
| Carrier | DU DU | | Limits | | Prepared | Analyzed | Dil Fac | | | |
| | %Yield | Qualifier | | | | | | | | |
| Ba Carrier | 96.5 | | 40 - 110 | | | | | | | |
| Y Carrier | 88.2 | | 40 - 110 | | | | | | | |

Lab Sample ID: MB 160-366772/23-A
Matrix: Water
Analysis Batch: 368164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 366772

| Analyte | MB MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------|-----------------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-228 | 0.2774 | U | 0.272 | 0.273 | 1.00 | 0.441 | pCi/L | 05/21/18 12:10 | 05/31/18 09:26 | 1 |
| Carrier | MB MB | | Limits | | Prepared | Analyzed | Dil Fac | | | |
| | %Yield | Qualifier | | | | | | | | |
| Ba Carrier | 103 | | 40 - 110 | | 05/21/18 12:10 | 05/31/18 09:26 | 1 | | | |
| Y Carrier | 76.6 | | 40 - 110 | | 05/21/18 12:10 | 05/31/18 09:26 | 1 | | | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-366772/1-A
Matrix: Water
Analysis Batch: 368163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 366772

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-228 | 8.27 | 8.027 | | 0.943 | 1.00 | 0.310 | pCi/L | 97 | 56 - 140 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|------------|---------------|----------|
| Ba Carrier | 101 | | 40 - 110 |
| Y Carrier | 87.9 | | 40 - 110 |

Lab Sample ID: 400-153669-5 DU
Matrix: Water
Analysis Batch: 368163

Client Sample ID: AY11149 MW-14
Prep Type: Total/NA
Prep Batch: 366772

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-228 | 0.531 | | 0.03960 | U | 0.266 | 1.00 | 0.470 | pCi/L | 0.82 | 1 |

| Carrier | DU %Yield | DU Qualifier | Limits |
|------------|-----------|--------------|----------|
| Ba Carrier | 101 | | 40 - 110 |
| Y Carrier | 87.1 | | 40 - 110 |

Lab Sample ID: MB 160-368837/23-A
Matrix: Water
Analysis Batch: 370595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368837

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.005722 | U | 0.185 | 0.185 | 1.00 | 0.333 | pCi/L | 06/05/18 10:41 | 06/14/18 15:17 | 1 |

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|----------|----------------|----------------|---------|
| Ba Carrier | 98.5 | | 40 - 110 | 06/05/18 10:41 | 06/14/18 15:17 | 1 |
| Y Carrier | 96.4 | | 40 - 110 | 06/05/18 10:41 | 06/14/18 15:17 | 1 |

Lab Sample ID: LCS 160-368837/1-A
Matrix: Water
Analysis Batch: 370597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368837

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-228 | 8.23 | 9.977 | | 1.14 | 1.00 | 0.410 | pCi/L | 121 | 56 - 140 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|------------|------------|---------------|----------|
| Ba Carrier | 92.9 | | 40 - 110 |
| Y Carrier | 97.2 | | 40 - 110 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 400-154450-B-1-F DU
Matrix: Water
Analysis Batch: 370595

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 368837

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-228 | 0.137 | U | 0.01705 | U | 0.216 | 1.00 | 0.385 | pCi/L | 0.27 | 1 |

| Carrier | %Yield | DU Qualifier | Limits |
|------------|--------|--------------|----------|
| Ba Carrier | 90.3 | | 40 - 110 |
| Y Carrier | 95.0 | | 40 - 110 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

Lab Sample ID: 400-153669-5 DU
Matrix: Water
Analysis Batch: 373524

Client Sample ID: AY11149 MW-14
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---------------------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Combined Radium 226 + 228 | 0.650 | | 0.1246 | U | 0.279 | 5.00 | 0.470 | pCi/L | 0.84 | |

Lab Sample ID: 400-153669-13 DU
Matrix: Water
Analysis Batch: 373524

Client Sample ID: AY11157 MW-8S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---------------------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|-----|-----------|
| Combined Radium 226 + 228 | 0.0470 | U | 0.04897 | U | 0.263 | 5.00 | 0.464 | pCi/L | 0 | |

Chain of Custody Record

| | | | | | | | |
|--|--|---|--|---|--|--|--|
| Client Information Sampler: Ben Rofschadl Phone: Sarah Copeland Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Callera State, Zip: AL, 35040 Phone: 205-564-6121 (Tel) Email: sgcopela@southermco.com Project Name: CCR Site: Miller Ash Pond 1150 | | Lab PM: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com Due Date Requested: Routine TAT Requested (days): PO #: WO #: Project #: 40007143 SSONW#: | | Analysis Requested Camer Tracking No(e): Total Number of containers: | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsHClO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 X - other (specify) | |
| Sample Identification Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Water, Solid, Chemical, etc.) Preservation Code | | Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) SM 4500 F.C SM 4500 CL.E SM 4500 SO4.E 9315 Ra226, 9320 Ra228, R228R228, R228R228.GPFC | | Special Instructions/Note: MW-15 MW-16 MW-16 Dup (Sample Duplicate) FB-1 (Field Blank) MW-14 MW-13D MW-13S MW-13S Dup (Sample Duplicate) MW-12 MW-9S MW-9D FB-2 (Field Blank) | | Special Instructions/Note: MW-15 MW-16 MW-16 Dup (Sample Duplicate) FB-1 (Field Blank) MW-14 MW-13D MW-13S MW-13S Dup (Sample Duplicate) MW-12 MW-9S MW-9D FB-2 (Field Blank) | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Deliverable Requested: I, II, III, IV, Other (specify) | | <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab Special Instructions/QC Requirements: | | Method of Shipment: Date/Time: 5/15/18 09:00 Company: | |
| Empty Kit Relinquished by: Relinquished by: Sarah Copeland Relinquished by: Relinquished by: | | Date: Date/Time: 5/14/2018: 1545 Date/Time: Date/Time: | | Date: Date/Time: 5/15/18 09:00 Date/Time: Date/Time: | | Date: Date/Time: Date/Time: | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: 16.5°C | | Cooler Temperature(s) °C and Other Remarks: | |



Chain of Custody Record

| | | | |
|--|--|---|---|
| Client Information Client Contact: Ben Rothschadl/ Anthony Goggins Sarah Copeland Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6121(Tel) Email: sgcopella@southemco.com Project Name: CCR Site: Miller Ash Pond 1150 | | Lab PI: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com Carrier Tracking No(s): Job #: | COC No: 400-56525-24537.1 Page: Page 2 of 2 Job #: |
| Analysis Requested Due Date Requested: TAT Requested (days): Routine PO #: 40007143 WO #: Project #: 40007143 SSOW#: | | | |
| Sample Identification Sample ID Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (Water, Solid, On-wast, Air) Preservation Code: Matrix (Water, Solid, On-wast, Air) Preservation Code: | Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) SM 4500 F C SM 4500 CL M SM 4500 SO4 M 9315_Ra226, 9320_Ra228, Ra226Ra228 GPFC | Total Number of Containers MW-8S MW-8D MW-7S MW-7D MW-6 MW-6 Dup (Sample Duplicate) MW-4 FB-3 (Field Blank) MW-3S MW-3D MW-10 EB-1 (Equipment Blank) MW-11 MW-1 MW-2 PZ-5 MW-5 | Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - Nitric Acid F - MeOH G - Amchlor H - Acetic Acid I - Ice J - DI Water K - EDTA L - EDTA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MeOH W - pH 4-5 X - Other (specify) |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | Special Instructions/OC Requirements: | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | |
| Empty Kit Relinquished by: Relinquished by: Sarah Copeland Date/Time: 5/14/2018, 15:45 Company: APC | | | |
| Relinquished by: Date/Time: 5/15/18 09:10 Company: JAFG | | | |
| Relinquished by: Date/Time: Company: | | | |
| Custody Seals Intact: Custody Seal No.: Δ Yes Δ No | | | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-153669-2
SDG Number: Miller Ash Pond 1150

Login Number: 153669
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|--|--------|-------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 16.5°C IR-7 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-153669-2
SDG Number: Miller Ash Pond 1150

Login Number: 153669
List Number: 2
Creator: Press, Nicholas B

List Source: TestAmerica St. Louis
List Creation: 05/16/18 11:20 AM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 16, 16 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
 SDG: Miller Ash Pond 1150

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-18 * |
| ANAB | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-18 |
| California | State Program | 9 | 2510 | 06-30-18 * |
| Florida | NELAP | 4 | E81010 | 06-30-19 |
| Georgia | State Program | 4 | E81010 (FL) | 06-30-19 |
| Illinois | NELAP | 5 | 200041 | 10-09-18 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-19 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| Louisiana | NELAP | 6 | 30976 | 06-30-19 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-18 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-19 |
| Michigan | State Program | 5 | 9912 | 06-30-18 * |
| New Jersey | NELAP | 2 | FL006 | 06-30-19 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-18 * |
| Tennessee | State Program | 4 | TN02907 | 06-30-19 |
| Texas | NELAP | 6 | T104704286-18-14 | 09-30-18 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-18 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-19 |
| Washington | State Program | 10 | C915 | 05-15-19 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-18 * |

Laboratory: TestAmerica St. Louis

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|----------------|---------------|------------|-----------------------|-----------------|
| Alaska | State Program | 10 | MO00054 | 06-30-18 * |
| ANAB | DoD ELAP | | L2305 | 04-06-19 |
| Arizona | State Program | 9 | AZ0813 | 12-08-18 |
| California | State Program | 9 | 2886 | 06-30-19 |
| Connecticut | State Program | 1 | PH-0241 | 03-31-19 |
| Florida | NELAP | 4 | E87689 | 06-30-19 |
| Illinois | NELAP | 5 | 200023 | 11-30-18 |
| Iowa | State Program | 7 | 373 | 12-01-18 |
| Kansas | NELAP | 7 | E-10236 | 10-31-18 |
| Kentucky (DW) | State Program | 4 | 90125 | 12-31-18 |
| Louisiana (DW) | NELAP | 6 | LA180017 | 12-31-18 |
| Maryland | State Program | 3 | 310 | 09-30-18 |
| Michigan | State Program | 5 | 9005 | 06-30-18 * |
| Missouri | State Program | 7 | 780 | 06-30-18 * |
| Nevada | State Program | 9 | MO000542018-1 | 07-31-18 * |

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

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-153669-2
SDG: Miller Ash Pond 1150

Laboratory: TestAmerica St. Louis (Continued)

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|---------------|------------|-----------------------|-----------------|
| New Jersey | NELAP | 2 | MO002 | 06-30-18 * |
| New York | NELAP | 2 | 11616 | 03-31-19 |
| North Dakota | State Program | 8 | R207 | 06-30-18 * |
| NRC | NRC | | 24-24817-01 | 12-31-22 |
| Oklahoma | State Program | 6 | 9997 | 08-31-18 * |
| Pennsylvania | NELAP | 3 | 68-00540 | 02-28-19 |
| South Carolina | State Program | 4 | 85002001 | 06-30-18 * |
| Texas | NELAP | 6 | T104704193-17-11 | 07-31-18 |
| US Fish & Wildlife | Federal | | 058448 | 07-31-18 |
| USDA | Federal | | P330-17-0028 | 02-02-20 |
| Utah | NELAP | 8 | MO000542016-8 | 07-31-18 * |
| Virginia | NELAP | 3 | 460230 | 06-14-19 |
| Washington | State Program | 10 | C592 | 08-30-18 |
| West Virginia DEP | State Program | 3 | 381 | 08-31-18 * |

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

TestAmerica Pensacola

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 5/9/2018 9:32 | 1907.8 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 9:32 | 194.43 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 9:32 | 1.9 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 9:32 | -45.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 9:32 | 12.08 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 9:32 | 18.64 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 9:32 | 6.46 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 9:37 | 1587.1 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 9:37 | 194.84 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 9:37 | 1.2 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 9:37 | -17.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 9:37 | 10.61 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 9:37 | 19.19 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 9:37 | 10.83 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 9:42 | 1211.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 9:42 | 195.08 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 9:42 | 1.04 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 9:42 | -91.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 9:42 | 11.88 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 9:42 | 19.5 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 9:42 | 10.87 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 9:47 | 1399.1 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 9:47 | 195.1 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 9:47 | 1.27 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 9:47 | -107.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 9:47 | 12.73 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 9:47 | 20.44 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 9:47 | 5.08 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 9:52 | 1584.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 9:52 | 195.4 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 9:52 | 0.89 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 9:52 | -111.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 9:52 | 12.99 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 9:52 | 19.8 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 9:52 | 6.05 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 9:57 | 1505.8 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 9:57 | 195.75 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 9:57 | 0.83 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 9:57 | -107.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 9:57 | 12.94 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 9:57 | 19.96 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 9:57 | 5.85 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:02 | 1410.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:02 | 195.92 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:02 | 0.79 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 5/9/2018 10:02 | -103.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:02 | 12.83 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:02 | 20.16 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:02 | 6.98 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:07 | 1326.8 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:07 | 196.1 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:07 | 0.78 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:07 | -96.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:07 | 12.76 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:07 | 20.21 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:07 | 7.33 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:12 | 1280.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:12 | 196.18 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:12 | 0.74 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:12 | -94.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:12 | 12.73 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:12 | 20.35 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:12 | 6.42 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:17 | 1161.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:17 | 196.38 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:17 | 0.62 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:17 | -87.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:17 | 12.56 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:17 | 20.22 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:17 | 8.77 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:22 | 1070.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:22 | 196.62 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:22 | 0.57 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:22 | -78.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:22 | 12.25 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:22 | 20.18 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:22 | 17.1 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:27 | 984.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:27 | 196.82 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:27 | 0.55 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:27 | -72.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:27 | 11.73 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:27 | 20.21 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:27 | 9.61 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:32 | 937 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:32 | 196.95 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:32 | 0.53 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:32 | -70.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:32 | 11.28 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:32 | 20.3 | C | Temperature |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 5/9/2018 10:32 | 11.34 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:37 | 943.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:37 | 197.09 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:37 | 0.54 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:37 | -70.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:37 | 10.98 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:37 | 20.39 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:37 | 9.74 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:42 | 961.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:42 | 197.21 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:42 | 0.52 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:42 | -68.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:42 | 10.54 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:42 | 20.41 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:42 | 7.75 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:47 | 990.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:47 | 197.3 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:47 | 0.53 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:47 | -65 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:47 | 10.16 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:47 | 20.44 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:47 | 7.08 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:52 | 1021.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:52 | 197.36 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:52 | 0.5 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:52 | -65.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:52 | 9.86 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:52 | 20.53 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:52 | 4.36 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 10:57 | 1056.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 10:57 | 197.41 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 10:57 | 0.5 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 10:57 | -99.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 10:57 | 9.58 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 10:57 | 20.59 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 10:57 | 3.05 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:02 | 1086.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:02 | 197.54 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:02 | 0.49 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:02 | -157.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:02 | 9.4 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:02 | 20.57 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:02 | 2.34 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:07 | 1117.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:07 | 197.54 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 5/9/2018 11:07 | 0.49 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:07 | -197.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:07 | 9.21 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:07 | 20.61 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:07 | 2.34 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:12 | 1146 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:12 | 197.54 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:12 | 0.46 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:12 | -213.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:12 | 9.05 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:12 | 20.05 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:12 | 2.06 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:17 | 1170.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:17 | 197.56 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:17 | 0.45 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:17 | -225.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:17 | 8.92 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:17 | 20.05 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:17 | 2.8 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:22 | 1187.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:22 | 197.59 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:22 | 0.45 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:22 | -227.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:22 | 8.8 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:22 | 20.26 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:22 | 2.11 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:27 | 1209.8 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:27 | 197.65 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:27 | 0.42 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:27 | -236.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:27 | 8.69 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:27 | 20.21 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:27 | 2.1 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:32 | 1227.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:32 | 197.65 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:32 | 0.42 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:32 | -241.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:32 | 8.58 | pH | pH |
| MR-AP-MW-1 | 5/9/2018 11:32 | 20.48 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:32 | 2.27 | NTU | Turbidity |
| MR-AP-MW-1 | 5/9/2018 11:37 | 1240.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 5/9/2018 11:37 | 197.65 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 5/9/2018 11:37 | 0.38 | mg/L | DO |
| MR-AP-MW-1 | 5/9/2018 11:37 | -242.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 5/9/2018 11:37 | 8.49 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|--------------------|
| MR-AP-MW-1 | 5/9/2018 11:37 | 20.57 | C | Temperature |
| MR-AP-MW-1 | 5/9/2018 11:37 | 2.89 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-2 | 5/9/2018 12:40 | 2045.4 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 12:40 | 202.38 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 12:40 | 3.53 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 12:40 | 293.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 12:40 | 3.68 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 12:40 | 22.71 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 12:40 | 6.28 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 12:45 | 1419.1 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 12:45 | 202.38 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 12:45 | 1.68 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 12:45 | -11.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 12:45 | 5.64 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 12:45 | 22.98 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 12:45 | 2.7 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 12:50 | 1288.7 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 12:50 | 202.38 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 12:50 | 1.39 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 12:50 | -19.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 12:50 | 5.88 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 12:50 | 23.79 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 12:50 | 2.28 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 12:55 | 1280.2 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 12:55 | 202.1 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 12:55 | 1.56 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 12:55 | -17.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 12:55 | 5.89 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 12:55 | 25.36 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 12:55 | 2.25 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 13:00 | 1348.9 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 13:00 | 202.2 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 13:00 | 1.38 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 13:00 | -9.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 13:00 | 5.89 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 13:00 | 23.81 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 13:00 | 1.31 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 13:05 | 1665.8 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 13:05 | 202.25 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 13:05 | 1.2 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 13:05 | -16.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 13:05 | 5.86 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 13:05 | 23.09 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 13:05 | 2.11 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 13:10 | 2096 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 13:10 | 202.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 13:10 | 1.11 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-2 | 5/9/2018 13:10 | -20.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 13:10 | 5.79 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 13:10 | 23.48 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 13:10 | 1.9 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 13:15 | 2141.8 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 13:15 | 202.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 13:15 | 1.06 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 13:15 | -38.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 13:15 | 5.88 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 13:15 | 23.7 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 13:15 | 0.45 | NTU | Turbidity |
| MR-AP-MW-2 | 5/9/2018 13:20 | 2181.4 | uS/cm | Conductivity |
| MR-AP-MW-2 | 5/9/2018 13:20 | 202.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 5/9/2018 13:20 | 1.06 | mg/L | DO |
| MR-AP-MW-2 | 5/9/2018 13:20 | -42.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 5/9/2018 13:20 | 5.92 | pH | pH |
| MR-AP-MW-2 | 5/9/2018 13:20 | 23.85 | C | Temperature |
| MR-AP-MW-2 | 5/9/2018 13:20 | 0.77 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-3D | 5/10/2018 10:04 | 1422.7 | uS/cm | Conductivity |
| MR-AP-MW-3D | 5/10/2018 10:04 | 110.96 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 5/10/2018 10:04 | 0.73 | mg/L | DO |
| MR-AP-MW-3D | 5/10/2018 10:04 | -103.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 5/10/2018 10:04 | 6.98 | pH | pH |
| MR-AP-MW-3D | 5/10/2018 10:04 | 19.77 | C | Temperature |
| MR-AP-MW-3D | 5/10/2018 10:04 | 4.47 | NTU | Turbidity |
| MR-AP-MW-3D | 5/10/2018 10:09 | 1425 | uS/cm | Conductivity |
| MR-AP-MW-3D | 5/10/2018 10:09 | 110.96 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 5/10/2018 10:09 | 0.46 | mg/L | DO |
| MR-AP-MW-3D | 5/10/2018 10:09 | -76.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 5/10/2018 10:09 | 6.84 | pH | pH |
| MR-AP-MW-3D | 5/10/2018 10:09 | 19.59 | C | Temperature |
| MR-AP-MW-3D | 5/10/2018 10:09 | 4.14 | NTU | Turbidity |
| MR-AP-MW-3D | 5/10/2018 10:14 | 1423.5 | uS/cm | Conductivity |
| MR-AP-MW-3D | 5/10/2018 10:14 | 110.96 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 5/10/2018 10:14 | 0.39 | mg/L | DO |
| MR-AP-MW-3D | 5/10/2018 10:14 | -67.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 5/10/2018 10:14 | 6.81 | pH | pH |
| MR-AP-MW-3D | 5/10/2018 10:14 | 19.68 | C | Temperature |
| MR-AP-MW-3D | 5/10/2018 10:14 | 3.35 | NTU | Turbidity |
| MR-AP-MW-3D | 5/10/2018 10:19 | 1420.7 | uS/cm | Conductivity |
| MR-AP-MW-3D | 5/10/2018 10:19 | 110.96 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 5/10/2018 10:19 | 0.37 | mg/L | DO |
| MR-AP-MW-3D | 5/10/2018 10:19 | -62.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 5/10/2018 10:19 | 6.79 | pH | pH |
| MR-AP-MW-3D | 5/10/2018 10:19 | 19.68 | C | Temperature |
| MR-AP-MW-3D | 5/10/2018 10:19 | 2.93 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-3S | 5/10/2018 8:50 | 1003 | uS/cm | Conductivity |
| MR-AP-MW-3S | 5/10/2018 8:50 | 88.22 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 5/10/2018 8:50 | 0.39 | mg/L | DO |
| MR-AP-MW-3S | 5/10/2018 8:50 | -192.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 5/10/2018 8:50 | 9.55 | pH | pH |
| MR-AP-MW-3S | 5/10/2018 8:50 | 18.25 | C | Temperature |
| MR-AP-MW-3S | 5/10/2018 8:50 | 3.21 | NTU | Turbidity |
| MR-AP-MW-3S | 5/10/2018 8:55 | 1008.5 | uS/cm | Conductivity |
| MR-AP-MW-3S | 5/10/2018 8:55 | 88.25 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 5/10/2018 8:55 | 0.3 | mg/L | DO |
| MR-AP-MW-3S | 5/10/2018 8:55 | -114.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 5/10/2018 8:55 | 9.54 | pH | pH |
| MR-AP-MW-3S | 5/10/2018 8:55 | 18.3 | C | Temperature |
| MR-AP-MW-3S | 5/10/2018 8:55 | 3.06 | NTU | Turbidity |
| MR-AP-MW-3S | 5/10/2018 9:00 | 1010.3 | uS/cm | Conductivity |
| MR-AP-MW-3S | 5/10/2018 9:00 | 88.3 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 5/10/2018 9:00 | 0.28 | mg/L | DO |
| MR-AP-MW-3S | 5/10/2018 9:00 | -75.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 5/10/2018 9:00 | 9.48 | pH | pH |
| MR-AP-MW-3S | 5/10/2018 9:00 | 18.34 | C | Temperature |
| MR-AP-MW-3S | 5/10/2018 9:00 | 2.61 | NTU | Turbidity |
| MR-AP-MW-3S | 5/10/2018 9:05 | 999.4 | uS/cm | Conductivity |
| MR-AP-MW-3S | 5/10/2018 9:05 | 88.35 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 5/10/2018 9:05 | 0.26 | mg/L | DO |
| MR-AP-MW-3S | 5/10/2018 9:05 | -58.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 5/10/2018 9:05 | 9.44 | pH | pH |
| MR-AP-MW-3S | 5/10/2018 9:05 | 18.34 | C | Temperature |
| MR-AP-MW-3S | 5/10/2018 9:05 | 2.33 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-4 | 5/9/2018 14:46 | 1355.9 | uS/cm | Conductivity |
| MR-AP-MW-4 | 5/9/2018 14:46 | 42.15 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 5/9/2018 14:46 | 0.17 | mg/L | DO |
| MR-AP-MW-4 | 5/9/2018 14:46 | 99.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 5/9/2018 14:46 | 6.09 | pH | pH |
| MR-AP-MW-4 | 5/9/2018 14:46 | 20.78 | C | Temperature |
| MR-AP-MW-4 | 5/9/2018 14:46 | 21.9 | NTU | Turbidity |
| MR-AP-MW-4 | 5/9/2018 14:51 | 1347.5 | uS/cm | Conductivity |
| MR-AP-MW-4 | 5/9/2018 14:51 | 42.16 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 5/9/2018 14:51 | 0.15 | mg/L | DO |
| MR-AP-MW-4 | 5/9/2018 14:51 | 114.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 5/9/2018 14:51 | 5.95 | pH | pH |
| MR-AP-MW-4 | 5/9/2018 14:51 | 20.61 | C | Temperature |
| MR-AP-MW-4 | 5/9/2018 14:51 | 8.02 | NTU | Turbidity |
| MR-AP-MW-4 | 5/9/2018 14:56 | 1346.5 | uS/cm | Conductivity |
| MR-AP-MW-4 | 5/9/2018 14:56 | 42.17 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 5/9/2018 14:56 | 0.15 | mg/L | DO |
| MR-AP-MW-4 | 5/9/2018 14:56 | 118.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 5/9/2018 14:56 | 5.89 | pH | pH |
| MR-AP-MW-4 | 5/9/2018 14:56 | 20.52 | C | Temperature |
| MR-AP-MW-4 | 5/9/2018 14:56 | 6.36 | NTU | Turbidity |
| MR-AP-MW-4 | 5/9/2018 15:01 | 1345.3 | uS/cm | Conductivity |
| MR-AP-MW-4 | 5/9/2018 15:01 | 42.18 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 5/9/2018 15:01 | 0.16 | mg/L | DO |
| MR-AP-MW-4 | 5/9/2018 15:01 | 122.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 5/9/2018 15:01 | 5.87 | pH | pH |
| MR-AP-MW-4 | 5/9/2018 15:01 | 20.57 | C | Temperature |
| MR-AP-MW-4 | 5/9/2018 15:01 | 4.48 | NTU | Turbidity |
| MR-AP-MW-4 | 5/9/2018 15:06 | 1343.9 | uS/cm | Conductivity |
| MR-AP-MW-4 | 5/9/2018 15:06 | 42.19 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 5/9/2018 15:06 | 0.16 | mg/L | DO |
| MR-AP-MW-4 | 5/9/2018 15:06 | 126.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 5/9/2018 15:06 | 5.85 | pH | pH |
| MR-AP-MW-4 | 5/9/2018 15:06 | 20.44 | C | Temperature |
| MR-AP-MW-4 | 5/9/2018 15:06 | 2.98 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-5 | 5/9/2018 17:00 | 1639.8 | uS/cm | Conductivity |
| MR-AP-MW-5 | 5/9/2018 17:00 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 5/9/2018 17:00 | 1.63 | mg/L | DO |
| MR-AP-MW-5 | 5/9/2018 17:00 | -118.7 | mv | Oxidation Reduction Potention |
| MR-AP-MW-5 | 5/9/2018 17:00 | 7.14 | pH | pH |
| MR-AP-MW-5 | 5/9/2018 17:00 | 18.21 | C | Temperature |
| MR-AP-MW-5 | 5/9/2018 17:00 | 0.95 | NTU | Turbidity |
| MR-AP-MW-5 | 5/9/2018 17:05 | 1658.6 | uS/cm | Conductivity |
| MR-AP-MW-5 | 5/9/2018 17:05 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 5/9/2018 17:05 | 1.65 | mg/L | DO |
| MR-AP-MW-5 | 5/9/2018 17:05 | -115.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-5 | 5/9/2018 17:05 | 7.09 | pH | pH |
| MR-AP-MW-5 | 5/9/2018 17:05 | 18.25 | C | Temperature |
| MR-AP-MW-5 | 5/9/2018 17:05 | 0.72 | NTU | Turbidity |
| MR-AP-MW-5 | 5/9/2018 17:15 | 1652.7 | uS/cm | Conductivity |
| MR-AP-MW-5 | 5/9/2018 17:15 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 5/9/2018 17:15 | 1.73 | mg/L | DO |
| MR-AP-MW-5 | 5/9/2018 17:15 | -111 | mv | Oxidation Reduction Potention |
| MR-AP-MW-5 | 5/9/2018 17:15 | 7.05 | pH | pH |
| MR-AP-MW-5 | 5/9/2018 17:15 | 18.48 | C | Temperature |
| MR-AP-MW-5 | 5/9/2018 17:15 | 0.87 | NTU | Turbidity |
| MR-AP-MW-5 | 5/9/2018 17:20 | 1657.1 | uS/cm | Conductivity |
| MR-AP-MW-5 | 5/9/2018 17:20 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 5/9/2018 17:20 | 1.71 | mg/L | DO |
| MR-AP-MW-5 | 5/9/2018 17:20 | -109.3 | mv | Oxidation Reduction Potention |
| MR-AP-MW-5 | 5/9/2018 17:20 | 7.04 | pH | pH |
| MR-AP-MW-5 | 5/9/2018 17:20 | 18.39 | C | Temperature |
| MR-AP-MW-5 | 5/9/2018 17:20 | 0.88 | NTU | Turbidity |
| MR-AP-MW-5 | 5/9/2018 17:25 | 1656.3 | uS/cm | Conductivity |
| MR-AP-MW-5 | 5/9/2018 17:25 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 5/9/2018 17:25 | 1.66 | mg/L | DO |
| MR-AP-MW-5 | 5/9/2018 17:25 | -107.9 | mv | Oxidation Reduction Potention |
| MR-AP-MW-5 | 5/9/2018 17:25 | 7.03 | pH | pH |
| MR-AP-MW-5 | 5/9/2018 17:25 | 18.43 | C | Temperature |
| MR-AP-MW-5 | 5/9/2018 17:25 | 0.84 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-PZ-5 | 5/9/2018 15:33 | 803.3 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 15:33 | 1.42 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 15:33 | 1.05 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 15:33 | -244.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 15:33 | 8.6 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 15:33 | 24.15 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 15:33 | 0.72 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 15:38 | 795.7 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 15:38 | 1.51 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 15:38 | 0.82 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 15:38 | -251.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 15:38 | 8.62 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 15:38 | 23.65 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 15:38 | 1.22 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 15:43 | 787.2 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 15:43 | 1.9 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 15:43 | 0.71 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 15:43 | -258 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 15:43 | 8.63 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 15:43 | 23.21 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 15:43 | 0.91 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 15:48 | 781.2 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 15:48 | 2.2 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 15:48 | 0.65 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 15:48 | -258.7 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 15:48 | 8.62 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 15:48 | 23.25 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 15:48 | 1.11 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 15:53 | 771.5 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 15:53 | 2.56 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 15:53 | 0.62 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 15:53 | -259.5 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 15:53 | 8.62 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 15:53 | 22.85 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 15:53 | 1.35 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 15:58 | 779.5 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 15:58 | 2.75 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 15:58 | 0.66 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 15:58 | -260.5 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 15:58 | 8.6 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 15:58 | 22.57 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 15:58 | 1.89 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 16:03 | 770.3 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 16:03 | 2.95 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 16:03 | 0.61 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-PZ-5 | 5/9/2018 16:03 | -262 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 16:03 | 8.6 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 16:03 | 22.62 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 16:03 | 1.06 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 16:08 | 764.4 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 16:08 | 3.16 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 16:08 | 0.62 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 16:08 | -263.5 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 16:08 | 8.6 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 16:08 | 22.65 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 16:08 | 1.23 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 16:13 | 755.1 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 16:13 | 3.3 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 16:13 | 0.61 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 16:13 | -262.7 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 16:13 | 8.61 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 16:13 | 21.69 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 16:13 | 2.21 | NTU | Turbidity |
| MR-AP-PZ-5 | 5/9/2018 16:19 | 761 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 5/9/2018 16:19 | 3.39 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 5/9/2018 16:19 | 0.6 | mg/L | DO |
| MR-AP-PZ-5 | 5/9/2018 16:19 | -263.4 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 5/9/2018 16:19 | 8.6 | pH | pH |
| MR-AP-PZ-5 | 5/9/2018 16:19 | 21.37 | C | Temperature |
| MR-AP-PZ-5 | 5/9/2018 16:19 | 1.14 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-6 | 5/9/2018 13:32 | 1185.4 | uS/cm | Conductivity |
| MR-AP-MW-6 | 5/9/2018 13:32 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 5/9/2018 13:32 | 0.11 | mg/L | DO |
| MR-AP-MW-6 | 5/9/2018 13:32 | 23.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 5/9/2018 13:32 | 6.01 | pH | pH |
| MR-AP-MW-6 | 5/9/2018 13:32 | 20.03 | C | Temperature |
| MR-AP-MW-6 | 5/9/2018 13:32 | 0.16 | NTU | Turbidity |
| MR-AP-MW-6 | 5/9/2018 13:37 | 1168.7 | uS/cm | Conductivity |
| MR-AP-MW-6 | 5/9/2018 13:37 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 5/9/2018 13:37 | 0.11 | mg/L | DO |
| MR-AP-MW-6 | 5/9/2018 13:37 | 24.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 5/9/2018 13:37 | 6.01 | pH | pH |
| MR-AP-MW-6 | 5/9/2018 13:37 | 20.2 | C | Temperature |
| MR-AP-MW-6 | 5/9/2018 13:37 | 0.14 | NTU | Turbidity |
| MR-AP-MW-6 | 5/9/2018 13:42 | 1182.2 | uS/cm | Conductivity |
| MR-AP-MW-6 | 5/9/2018 13:42 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 5/9/2018 13:42 | 0.1 | mg/L | DO |
| MR-AP-MW-6 | 5/9/2018 13:42 | 24.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 5/9/2018 13:42 | 6.01 | pH | pH |
| MR-AP-MW-6 | 5/9/2018 13:42 | 20.16 | C | Temperature |
| MR-AP-MW-6 | 5/9/2018 13:42 | 0.23 | NTU | Turbidity |
| MR-AP-MW-6 | 5/9/2018 13:47 | 1169.5 | uS/cm | Conductivity |
| MR-AP-MW-6 | 5/9/2018 13:47 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 5/9/2018 13:47 | 0.11 | mg/L | DO |
| MR-AP-MW-6 | 5/9/2018 13:47 | 25.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 5/9/2018 13:47 | 6.01 | pH | pH |
| MR-AP-MW-6 | 5/9/2018 13:47 | 20.22 | C | Temperature |
| MR-AP-MW-6 | 5/9/2018 13:47 | 0.19 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-7D | 5/9/2018 12:31 | 1075.1 | uS/cm | Conductivity |
| MR-AP-MW-7D | 5/9/2018 12:31 | 83.53 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 5/9/2018 12:31 | 0.3 | mg/L | DO |
| MR-AP-MW-7D | 5/9/2018 12:31 | -39.8 | mv | Oxidation Reduction Potention |
| MR-AP-MW-7D | 5/9/2018 12:31 | 6.71 | pH | pH |
| MR-AP-MW-7D | 5/9/2018 12:31 | 19.06 | C | Temperature |
| MR-AP-MW-7D | 5/9/2018 12:31 | 2.68 | NTU | Turbidity |
| MR-AP-MW-7D | 5/9/2018 12:36 | 1077 | uS/cm | Conductivity |
| MR-AP-MW-7D | 5/9/2018 12:36 | 83.53 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 5/9/2018 12:36 | 0.23 | mg/L | DO |
| MR-AP-MW-7D | 5/9/2018 12:36 | -39 | mv | Oxidation Reduction Potention |
| MR-AP-MW-7D | 5/9/2018 12:36 | 6.71 | pH | pH |
| MR-AP-MW-7D | 5/9/2018 12:36 | 18.79 | C | Temperature |
| MR-AP-MW-7D | 5/9/2018 12:36 | 1.2 | NTU | Turbidity |
| MR-AP-MW-7D | 5/9/2018 12:41 | 1076 | uS/cm | Conductivity |
| MR-AP-MW-7D | 5/9/2018 12:41 | 83.53 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 5/9/2018 12:41 | 0.22 | mg/L | DO |
| MR-AP-MW-7D | 5/9/2018 12:41 | -37.7 | mv | Oxidation Reduction Potention |
| MR-AP-MW-7D | 5/9/2018 12:41 | 6.71 | pH | pH |
| MR-AP-MW-7D | 5/9/2018 12:41 | 18.79 | C | Temperature |
| MR-AP-MW-7D | 5/9/2018 12:41 | 0.57 | NTU | Turbidity |
| MR-AP-MW-7D | 5/9/2018 12:46 | 1073.8 | uS/cm | Conductivity |
| MR-AP-MW-7D | 5/9/2018 12:46 | 83.53 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 5/9/2018 12:46 | 0.21 | mg/L | DO |
| MR-AP-MW-7D | 5/9/2018 12:46 | -35.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-7D | 5/9/2018 12:46 | 6.7 | pH | pH |
| MR-AP-MW-7D | 5/9/2018 12:46 | 18.7 | C | Temperature |
| MR-AP-MW-7D | 5/9/2018 12:46 | 0.5 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-7S | 5/9/2018 11:29 | 882.3 | uS/cm | Conductivity |
| MR-AP-MW-7S | 5/9/2018 11:29 | 14.74 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 5/9/2018 11:29 | 0.23 | mg/L | DO |
| MR-AP-MW-7S | 5/9/2018 11:29 | -36.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 5/9/2018 11:29 | 6.52 | pH | pH |
| MR-AP-MW-7S | 5/9/2018 11:29 | 18.57 | C | Temperature |
| MR-AP-MW-7S | 5/9/2018 11:29 | 21.9 | NTU | Turbidity |
| MR-AP-MW-7S | 5/9/2018 11:34 | 883.3 | uS/cm | Conductivity |
| MR-AP-MW-7S | 5/9/2018 11:34 | 14.8 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 5/9/2018 11:34 | 0.17 | mg/L | DO |
| MR-AP-MW-7S | 5/9/2018 11:34 | -35.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 5/9/2018 11:34 | 6.52 | pH | pH |
| MR-AP-MW-7S | 5/9/2018 11:34 | 18.39 | C | Temperature |
| MR-AP-MW-7S | 5/9/2018 11:34 | 21.6 | NTU | Turbidity |
| MR-AP-MW-7S | 5/9/2018 11:39 | 882.6 | uS/cm | Conductivity |
| MR-AP-MW-7S | 5/9/2018 11:39 | 14.92 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 5/9/2018 11:39 | 0.15 | mg/L | DO |
| MR-AP-MW-7S | 5/9/2018 11:39 | -35.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 5/9/2018 11:39 | 6.52 | pH | pH |
| MR-AP-MW-7S | 5/9/2018 11:39 | 18.44 | C | Temperature |
| MR-AP-MW-7S | 5/9/2018 11:39 | 10.55 | NTU | Turbidity |
| MR-AP-MW-7S | 5/9/2018 11:44 | 882.3 | uS/cm | Conductivity |
| MR-AP-MW-7S | 5/9/2018 11:44 | 14.97 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 5/9/2018 11:44 | 0.14 | mg/L | DO |
| MR-AP-MW-7S | 5/9/2018 11:44 | -34.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 5/9/2018 11:44 | 6.52 | pH | pH |
| MR-AP-MW-7S | 5/9/2018 11:44 | 18.52 | C | Temperature |
| MR-AP-MW-7S | 5/9/2018 11:44 | 10.75 | NTU | Turbidity |
| MR-AP-MW-7S | 5/9/2018 11:49 | 881.3 | uS/cm | Conductivity |
| MR-AP-MW-7S | 5/9/2018 11:49 | 15.05 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 5/9/2018 11:49 | 0.13 | mg/L | DO |
| MR-AP-MW-7S | 5/9/2018 11:49 | -34 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 5/9/2018 11:49 | 6.52 | pH | pH |
| MR-AP-MW-7S | 5/9/2018 11:49 | 18.52 | C | Temperature |
| MR-AP-MW-7S | 5/9/2018 11:49 | 4.54 | NTU | Turbidity |
| MR-AP-MW-7S | 5/9/2018 11:54 | 881.1 | uS/cm | Conductivity |
| MR-AP-MW-7S | 5/9/2018 11:54 | 15.11 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 5/9/2018 11:54 | 0.13 | mg/L | DO |
| MR-AP-MW-7S | 5/9/2018 11:54 | -33.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 5/9/2018 11:54 | 6.52 | pH | pH |
| MR-AP-MW-7S | 5/9/2018 11:54 | 18.6 | C | Temperature |
| MR-AP-MW-7S | 5/9/2018 11:54 | 4.06 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-8D | 5/9/2018 10:06 | 831.5 | uS/cm | Conductivity |
| MR-AP-MW-8D | 5/9/2018 10:06 | 44.79 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 5/9/2018 10:06 | 0.28 | mg/L | DO |
| MR-AP-MW-8D | 5/9/2018 10:06 | 12.8 | mv | Oxidation Reduction Potention |
| MR-AP-MW-8D | 5/9/2018 10:06 | 6.34 | pH | pH |
| MR-AP-MW-8D | 5/9/2018 10:06 | 19.37 | C | Temperature |
| MR-AP-MW-8D | 5/9/2018 10:06 | 0.43 | NTU | Turbidity |
| MR-AP-MW-8D | 5/9/2018 10:11 | 882.5 | uS/cm | Conductivity |
| MR-AP-MW-8D | 5/9/2018 10:11 | 45 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 5/9/2018 10:11 | 0.2 | mg/L | DO |
| MR-AP-MW-8D | 5/9/2018 10:11 | 14.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-8D | 5/9/2018 10:11 | 6.25 | pH | pH |
| MR-AP-MW-8D | 5/9/2018 10:11 | 19.28 | C | Temperature |
| MR-AP-MW-8D | 5/9/2018 10:11 | 0.59 | NTU | Turbidity |
| MR-AP-MW-8D | 5/9/2018 10:16 | 914.7 | uS/cm | Conductivity |
| MR-AP-MW-8D | 5/9/2018 10:16 | 45.09 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 5/9/2018 10:16 | 0.19 | mg/L | DO |
| MR-AP-MW-8D | 5/9/2018 10:16 | 22.3 | mv | Oxidation Reduction Potention |
| MR-AP-MW-8D | 5/9/2018 10:16 | 6.18 | pH | pH |
| MR-AP-MW-8D | 5/9/2018 10:16 | 19.3 | C | Temperature |
| MR-AP-MW-8D | 5/9/2018 10:16 | 0.5 | NTU | Turbidity |
| MR-AP-MW-8D | 5/9/2018 10:21 | 929.1 | uS/cm | Conductivity |
| MR-AP-MW-8D | 5/9/2018 10:21 | 45.16 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 5/9/2018 10:21 | 0.18 | mg/L | DO |
| MR-AP-MW-8D | 5/9/2018 10:21 | 29.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-8D | 5/9/2018 10:21 | 6.13 | pH | pH |
| MR-AP-MW-8D | 5/9/2018 10:21 | 19.32 | C | Temperature |
| MR-AP-MW-8D | 5/9/2018 10:21 | 0.54 | NTU | Turbidity |
| MR-AP-MW-8D | 5/9/2018 10:26 | 935.9 | uS/cm | Conductivity |
| MR-AP-MW-8D | 5/9/2018 10:26 | 45.25 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 5/9/2018 10:26 | 0.18 | mg/L | DO |
| MR-AP-MW-8D | 5/9/2018 10:26 | 33.9 | mv | Oxidation Reduction Potention |
| MR-AP-MW-8D | 5/9/2018 10:26 | 6.11 | pH | pH |
| MR-AP-MW-8D | 5/9/2018 10:26 | 19.36 | C | Temperature |
| MR-AP-MW-8D | 5/9/2018 10:26 | 0.55 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|---------------|-------|-------|-------------------------------|
| MR-AP-MW-8S | 5/9/2018 9:03 | 769.1 | uS/cm | Conductivity |
| MR-AP-MW-8S | 5/9/2018 9:03 | 38.84 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 5/9/2018 9:03 | 0.32 | mg/L | DO |
| MR-AP-MW-8S | 5/9/2018 9:03 | 87.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 5/9/2018 9:03 | 6.7 | pH | pH |
| MR-AP-MW-8S | 5/9/2018 9:03 | 18.83 | C | Temperature |
| MR-AP-MW-8S | 5/9/2018 9:03 | 0.52 | NTU | Turbidity |
| MR-AP-MW-8S | 5/9/2018 9:08 | 799.2 | uS/cm | Conductivity |
| MR-AP-MW-8S | 5/9/2018 9:08 | 38.84 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 5/9/2018 9:08 | 0.25 | mg/L | DO |
| MR-AP-MW-8S | 5/9/2018 9:08 | 82.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 5/9/2018 9:08 | 6.7 | pH | pH |
| MR-AP-MW-8S | 5/9/2018 9:08 | 18.83 | C | Temperature |
| MR-AP-MW-8S | 5/9/2018 9:08 | 0.68 | NTU | Turbidity |
| MR-AP-MW-8S | 5/9/2018 9:13 | 802.2 | uS/cm | Conductivity |
| MR-AP-MW-8S | 5/9/2018 9:13 | 38.84 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 5/9/2018 9:13 | 0.24 | mg/L | DO |
| MR-AP-MW-8S | 5/9/2018 9:13 | 80.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 5/9/2018 9:13 | 6.7 | pH | pH |
| MR-AP-MW-8S | 5/9/2018 9:13 | 18.84 | C | Temperature |
| MR-AP-MW-8S | 5/9/2018 9:13 | 0.47 | NTU | Turbidity |
| MR-AP-MW-8S | 5/9/2018 9:18 | 803.4 | uS/cm | Conductivity |
| MR-AP-MW-8S | 5/9/2018 9:18 | 38.84 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 5/9/2018 9:18 | 0.24 | mg/L | DO |
| MR-AP-MW-8S | 5/9/2018 9:18 | 77.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 5/9/2018 9:18 | 6.69 | pH | pH |
| MR-AP-MW-8S | 5/9/2018 9:18 | 18.88 | C | Temperature |
| MR-AP-MW-8S | 5/9/2018 9:18 | 0.38 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-9D | 5/8/2018 15:27 | 1045.8 | uS/cm | Conductivity |
| MR-AP-MW-9D | 5/8/2018 15:27 | 36.95 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 5/8/2018 15:27 | 0.35 | mg/L | DO |
| MR-AP-MW-9D | 5/8/2018 15:27 | 16 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 5/8/2018 15:27 | 5.69 | pH | pH |
| MR-AP-MW-9D | 5/8/2018 15:27 | 20.13 | C | Temperature |
| MR-AP-MW-9D | 5/8/2018 15:27 | 1.53 | NTU | Turbidity |
| MR-AP-MW-9D | 5/8/2018 15:32 | 1048.5 | uS/cm | Conductivity |
| MR-AP-MW-9D | 5/8/2018 15:32 | 36.95 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 5/8/2018 15:32 | 0.26 | mg/L | DO |
| MR-AP-MW-9D | 5/8/2018 15:32 | 20.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 5/8/2018 15:32 | 5.7 | pH | pH |
| MR-AP-MW-9D | 5/8/2018 15:32 | 19.98 | C | Temperature |
| MR-AP-MW-9D | 5/8/2018 15:32 | 1.11 | NTU | Turbidity |
| MR-AP-MW-9D | 5/8/2018 15:37 | 1047.2 | uS/cm | Conductivity |
| MR-AP-MW-9D | 5/8/2018 15:37 | 36.96 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 5/8/2018 15:37 | 0.24 | mg/L | DO |
| MR-AP-MW-9D | 5/8/2018 15:37 | 23.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 5/8/2018 15:37 | 5.7 | pH | pH |
| MR-AP-MW-9D | 5/8/2018 15:37 | 19.95 | C | Temperature |
| MR-AP-MW-9D | 5/8/2018 15:37 | 0.6 | NTU | Turbidity |
| MR-AP-MW-9D | 5/8/2018 15:42 | 1047.4 | uS/cm | Conductivity |
| MR-AP-MW-9D | 5/8/2018 15:42 | 36.97 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 5/8/2018 15:42 | 0.22 | mg/L | DO |
| MR-AP-MW-9D | 5/8/2018 15:42 | 25.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 5/8/2018 15:42 | 5.71 | pH | pH |
| MR-AP-MW-9D | 5/8/2018 15:42 | 20.02 | C | Temperature |
| MR-AP-MW-9D | 5/8/2018 15:42 | 0.68 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-9S | 5/8/2018 13:52 | 769.6 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 13:52 | 30.59 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 13:52 | 3.73 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 13:52 | 159.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 5/8/2018 13:52 | 5.98 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 13:52 | 19.37 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 13:52 | 0.57 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 13:57 | 803.4 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 13:57 | 31.39 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 13:57 | 3.25 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 13:57 | 153.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 5/8/2018 13:57 | 5.95 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 13:57 | 19.28 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 13:57 | 0.37 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:02 | 844.5 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:02 | 32.01 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:02 | 2.86 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:02 | 150.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 5/8/2018 14:02 | 5.91 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:02 | 19.23 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:02 | 0.33 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:07 | 854.1 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:07 | 32.48 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:07 | 2.56 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:07 | 148 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 5/8/2018 14:07 | 5.9 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:07 | 19.27 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:07 | 0.37 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:12 | 859 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:12 | 32.76 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:12 | 2.41 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:12 | 145.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 5/8/2018 14:12 | 5.89 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:12 | 19.28 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:12 | 0.34 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:17 | 871.7 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:17 | 33 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:17 | 2.2 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:17 | 143.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 5/8/2018 14:17 | 5.87 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:17 | 19.24 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:17 | 0.42 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:22 | 853.3 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:22 | 33.31 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:22 | 2.09 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-9S | 5/8/2018 14:22 | 143 | mv | Oxidation Reduction Potention |
| MR-AP-MW-9S | 5/8/2018 14:22 | 5.87 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:22 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:22 | 0.41 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:32 | 864.2 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:32 | 33.41 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:32 | 1.98 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:32 | 141.8 | mv | Oxidation Reduction Potention |
| MR-AP-MW-9S | 5/8/2018 14:32 | 5.86 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:32 | 19.29 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:32 | 0.44 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:37 | 873.3 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:37 | 33.49 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:37 | 1.94 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:37 | 140.7 | mv | Oxidation Reduction Potention |
| MR-AP-MW-9S | 5/8/2018 14:37 | 5.86 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:37 | 19.26 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:37 | 0.38 | NTU | Turbidity |
| MR-AP-MW-9S | 5/8/2018 14:42 | 864.2 | uS/cm | Conductivity |
| MR-AP-MW-9S | 5/8/2018 14:42 | 33.61 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 5/8/2018 14:42 | 1.87 | mg/L | DO |
| MR-AP-MW-9S | 5/8/2018 14:42 | 140.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-9S | 5/8/2018 14:42 | 5.86 | pH | pH |
| MR-AP-MW-9S | 5/8/2018 14:42 | 19.24 | C | Temperature |
| MR-AP-MW-9S | 5/8/2018 14:42 | 0.38 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-10 | 5/10/2018 11:49 | 1854 | uS/cm | Conductivity |
| MR-AP-MW-10 | 5/10/2018 11:49 | 126.8 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 5/10/2018 11:49 | 0.34 | mg/L | DO |
| MR-AP-MW-10 | 5/10/2018 11:49 | -43.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 5/10/2018 11:49 | 6.78 | pH | pH |
| MR-AP-MW-10 | 5/10/2018 11:49 | 18.66 | C | Temperature |
| MR-AP-MW-10 | 5/10/2018 11:49 | 0.3 | NTU | Turbidity |
| MR-AP-MW-10 | 5/10/2018 11:54 | 1812.1 | uS/cm | Conductivity |
| MR-AP-MW-10 | 5/10/2018 11:54 | 126.81 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 5/10/2018 11:54 | 0.29 | mg/L | DO |
| MR-AP-MW-10 | 5/10/2018 11:54 | -40.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 5/10/2018 11:54 | 6.78 | pH | pH |
| MR-AP-MW-10 | 5/10/2018 11:54 | 18.61 | C | Temperature |
| MR-AP-MW-10 | 5/10/2018 11:54 | 0.21 | NTU | Turbidity |
| MR-AP-MW-10 | 5/10/2018 11:59 | 1791.5 | uS/cm | Conductivity |
| MR-AP-MW-10 | 5/10/2018 11:59 | 126.81 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 5/10/2018 11:59 | 0.28 | mg/L | DO |
| MR-AP-MW-10 | 5/10/2018 11:59 | -38.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 5/10/2018 11:59 | 6.77 | pH | pH |
| MR-AP-MW-10 | 5/10/2018 11:59 | 18.57 | C | Temperature |
| MR-AP-MW-10 | 5/10/2018 11:59 | 0.29 | NTU | Turbidity |
| MR-AP-MW-10 | 5/10/2018 12:04 | 1779.6 | uS/cm | Conductivity |
| MR-AP-MW-10 | 5/10/2018 12:04 | 126.81 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 5/10/2018 12:04 | 0.28 | mg/L | DO |
| MR-AP-MW-10 | 5/10/2018 12:04 | -38.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 5/10/2018 12:04 | 6.77 | pH | pH |
| MR-AP-MW-10 | 5/10/2018 12:04 | 18.61 | C | Temperature |
| MR-AP-MW-10 | 5/10/2018 12:04 | 0.19 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 5/8/2018 14:41 | 1391.4 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 14:41 | 227.55 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 14:41 | 4.03 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 14:41 | -89.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 14:41 | 8.01 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 14:41 | 21.78 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 14:41 | 2.35 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 14:46 | 1394.9 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 14:46 | 228.05 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 14:46 | 1.6 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 14:46 | -99.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 14:46 | 7.43 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 14:46 | 21.55 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 14:46 | 2.45 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 14:51 | 1406.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 14:51 | 228.52 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 14:51 | 0.98 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 14:51 | -80.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 14:51 | 7.1 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 14:51 | 21.29 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 14:51 | 1.26 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 14:56 | 1407.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 14:56 | 228.9 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 14:56 | 0.78 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 14:56 | -73.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 14:56 | 6.9 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 14:56 | 21.19 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 14:56 | 2.31 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:01 | 1410.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:01 | 229.32 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:01 | 0.74 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:01 | -69.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:01 | 6.77 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:01 | 21.46 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:01 | 1.23 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:06 | 1406.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:06 | 229.6 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:06 | 0.74 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:06 | -64.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:06 | 6.69 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:06 | 21.33 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:06 | 0.87 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:11 | 1407.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:11 | 229.94 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:11 | 0.67 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 5/8/2018 15:11 | -61.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:11 | 6.64 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:11 | 21.4 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:11 | 0.78 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:16 | 1406.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:16 | 230.2 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:16 | 0.68 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:16 | -57.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:16 | 6.62 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:16 | 21.1 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:16 | 0.66 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:21 | 1402.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:21 | 230.45 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:21 | 0.71 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:21 | -54.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:21 | 6.6 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:21 | 20.84 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:21 | 0.34 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:26 | 1407.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:26 | 230.87 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:26 | 0.68 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:26 | -52.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:26 | 6.58 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:26 | 20.61 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:26 | 0.35 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:31 | 1403.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:31 | 230.9 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:31 | 0.69 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:31 | -50 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:31 | 6.57 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:31 | 20.4 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:31 | 0.35 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:36 | 1404.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:36 | 231.22 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:36 | 0.64 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:36 | -48.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:36 | 6.56 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:36 | 20.4 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:36 | 0.33 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:41 | 1401.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:41 | 231.47 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:41 | 0.62 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:41 | -46.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:41 | 6.56 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:41 | 20.14 | C | Temperature |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 5/8/2018 15:41 | 0.49 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:46 | 1402.4 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:46 | 231.61 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:46 | 0.6 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:46 | -45.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:46 | 6.55 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:46 | 19.99 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:46 | 0.26 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:51 | 1401.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:51 | 231.84 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:51 | 0.56 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:51 | -44 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:51 | 6.55 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:51 | 19.69 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:51 | 0.51 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 15:56 | 1398 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 15:56 | 232.22 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 15:56 | 0.53 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 15:56 | -42.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 15:56 | 6.54 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 15:56 | 19.5 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 15:56 | 0.37 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:01 | 1399.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:01 | 232.36 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:01 | 0.5 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:01 | -41.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:01 | 6.54 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:01 | 19.32 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:01 | 0.31 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:06 | 1401 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:06 | 232.65 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:06 | 0.48 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:06 | -40.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:06 | 6.54 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:06 | 19.16 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:06 | 0.51 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:11 | 1397.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:11 | 232.95 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:11 | 0.47 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:11 | -39.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:11 | 6.54 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:11 | 19.06 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:11 | 0.26 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:16 | 1393.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:16 | 233.23 | ft | Depth to Water Detail |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 5/8/2018 16:16 | 0.45 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:16 | -41.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:16 | 6.55 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:16 | 18.99 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:16 | 0.94 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:21 | 1381.5 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:21 | 233.51 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:21 | 0.44 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:21 | -47.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:21 | 6.61 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:21 | 18.96 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:21 | 1.61 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:26 | 1368.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:26 | 233.84 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:26 | 0.44 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:26 | -57.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:26 | 6.72 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:26 | 18.93 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:26 | 2.82 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:31 | 1365.2 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:31 | 234.02 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:31 | 0.44 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:31 | -66.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:31 | 6.82 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:31 | 18.79 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:31 | 3.1 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:36 | 1352.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:36 | 234.31 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:36 | 0.43 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:36 | -73.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:36 | 6.9 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:36 | 18.75 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:36 | 4.01 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:41 | 1346.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:41 | 234.6 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:41 | 0.42 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:41 | -78.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:41 | 6.96 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:41 | 18.72 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:41 | 4.1 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:47 | 1342.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:47 | 234.69 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:47 | 0.44 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:47 | -81.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 5/8/2018 16:47 | 7.01 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-11 | 5/8/2018 16:47 | 19 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:47 | 4.54 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:52 | 1336.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:52 | 234.85 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:52 | 0.45 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:52 | -83.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 5/8/2018 16:52 | 7.04 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:52 | 18.93 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:52 | 4.85 | NTU | Turbidity |
| MR-AP-MW-11 | 5/8/2018 16:57 | 1337.1 | uS/cm | Conductivity |
| MR-AP-MW-11 | 5/8/2018 16:57 | 234.89 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 5/8/2018 16:57 | 0.45 | mg/L | DO |
| MR-AP-MW-11 | 5/8/2018 16:57 | -80.7 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 5/8/2018 16:57 | 7.04 | pH | pH |
| MR-AP-MW-11 | 5/8/2018 16:57 | 18.97 | C | Temperature |
| MR-AP-MW-11 | 5/8/2018 16:57 | 4.86 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-12 | 5/8/2018 12:12 | 2916.2 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:12 | 89.72 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:12 | 0.74 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:12 | 27.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 5/8/2018 12:12 | 6.48 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:12 | 21.78 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:12 | 4.48 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:17 | 2752.8 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:17 | 90.31 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:17 | 0.46 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:17 | 36.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 5/8/2018 12:17 | 6.48 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:17 | 21.73 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:17 | 2.57 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:22 | 2686.4 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:22 | 90.95 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:22 | 0.43 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:22 | 28.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 5/8/2018 12:22 | 6.51 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:22 | 21.73 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:22 | 1.24 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:27 | 2733.8 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:27 | 91.29 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:27 | 0.49 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:27 | 20.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 5/8/2018 12:27 | 6.52 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:27 | 21.8 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:27 | 0.79 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:32 | 2806.3 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:32 | 91.56 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:32 | 0.49 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:32 | 17.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 5/8/2018 12:32 | 6.51 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:32 | 21.91 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:32 | 0.59 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:37 | 2873 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:37 | 91.71 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:37 | 0.46 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:37 | 17.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 5/8/2018 12:37 | 6.5 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:37 | 21.37 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:37 | 0.5 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:42 | 2923.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:42 | 91.85 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:42 | 0.44 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-12 | 5/8/2018 12:42 | 16.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-12 | 5/8/2018 12:42 | 6.5 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:42 | 21.82 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:42 | 0.4 | NTU | Turbidity |
| MR-AP-MW-12 | 5/8/2018 12:47 | 2956.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 5/8/2018 12:47 | 91.91 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 5/8/2018 12:47 | 0.43 | mg/L | DO |
| MR-AP-MW-12 | 5/8/2018 12:47 | 16.6 | mv | Oxidation Reduction Potention |
| MR-AP-MW-12 | 5/8/2018 12:47 | 6.49 | pH | pH |
| MR-AP-MW-12 | 5/8/2018 12:47 | 21.82 | C | Temperature |
| MR-AP-MW-12 | 5/8/2018 12:47 | 0.33 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|--------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-13D | 5/8/2018 9:53 | 507.9 | uS/cm | Conductivity |
| MR-AP-MW-13D | 5/8/2018 9:53 | 37.88 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 5/8/2018 9:53 | 0.52 | mg/L | DO |
| MR-AP-MW-13D | 5/8/2018 9:53 | -57.6 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13D | 5/8/2018 9:53 | 6.72 | pH | pH |
| MR-AP-MW-13D | 5/8/2018 9:53 | 18.9 | C | Temperature |
| MR-AP-MW-13D | 5/8/2018 9:53 | 0.35 | NTU | Turbidity |
| MR-AP-MW-13D | 5/8/2018 9:58 | 508.1 | uS/cm | Conductivity |
| MR-AP-MW-13D | 5/8/2018 9:58 | 38.1 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 5/8/2018 9:58 | 0.4 | mg/L | DO |
| MR-AP-MW-13D | 5/8/2018 9:58 | -54 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13D | 5/8/2018 9:58 | 6.72 | pH | pH |
| MR-AP-MW-13D | 5/8/2018 9:58 | 18.88 | C | Temperature |
| MR-AP-MW-13D | 5/8/2018 9:58 | 0.22 | NTU | Turbidity |
| MR-AP-MW-13D | 5/8/2018 10:03 | 508 | uS/cm | Conductivity |
| MR-AP-MW-13D | 5/8/2018 10:03 | 38.15 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 5/8/2018 10:03 | 0.37 | mg/L | DO |
| MR-AP-MW-13D | 5/8/2018 10:03 | -51.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13D | 5/8/2018 10:03 | 6.72 | pH | pH |
| MR-AP-MW-13D | 5/8/2018 10:03 | 19 | C | Temperature |
| MR-AP-MW-13D | 5/8/2018 10:03 | 0.17 | NTU | Turbidity |
| MR-AP-MW-13D | 5/8/2018 10:08 | 508.5 | uS/cm | Conductivity |
| MR-AP-MW-13D | 5/8/2018 10:08 | 38.21 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 5/8/2018 10:08 | 0.35 | mg/L | DO |
| MR-AP-MW-13D | 5/8/2018 10:08 | -49.6 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13D | 5/8/2018 10:08 | 6.72 | pH | pH |
| MR-AP-MW-13D | 5/8/2018 10:08 | 19.06 | C | Temperature |
| MR-AP-MW-13D | 5/8/2018 10:08 | 0.16 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|--------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-13S | 5/8/2018 10:55 | 444.7 | uS/cm | Conductivity |
| MR-AP-MW-13S | 5/8/2018 10:55 | 15.65 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 5/8/2018 10:55 | 0.19 | mg/L | DO |
| MR-AP-MW-13S | 5/8/2018 10:55 | 57 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 5/8/2018 10:55 | 5.6 | pH | pH |
| MR-AP-MW-13S | 5/8/2018 10:55 | 18.56 | C | Temperature |
| MR-AP-MW-13S | 5/8/2018 10:55 | 12.4 | NTU | Turbidity |
| MR-AP-MW-13S | 5/8/2018 11:00 | 438.6 | uS/cm | Conductivity |
| MR-AP-MW-13S | 5/8/2018 11:00 | 15.98 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 5/8/2018 11:00 | 0.17 | mg/L | DO |
| MR-AP-MW-13S | 5/8/2018 11:00 | 57.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 5/8/2018 11:00 | 5.6 | pH | pH |
| MR-AP-MW-13S | 5/8/2018 11:00 | 18.51 | C | Temperature |
| MR-AP-MW-13S | 5/8/2018 11:00 | 7.08 | NTU | Turbidity |
| MR-AP-MW-13S | 5/8/2018 11:05 | 440 | uS/cm | Conductivity |
| MR-AP-MW-13S | 5/8/2018 11:05 | 16.21 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 5/8/2018 11:05 | 0.15 | mg/L | DO |
| MR-AP-MW-13S | 5/8/2018 11:05 | 56.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 5/8/2018 11:05 | 5.6 | pH | pH |
| MR-AP-MW-13S | 5/8/2018 11:05 | 18.55 | C | Temperature |
| MR-AP-MW-13S | 5/8/2018 11:05 | 5.12 | NTU | Turbidity |
| MR-AP-MW-13S | 5/8/2018 11:10 | 436.1 | uS/cm | Conductivity |
| MR-AP-MW-13S | 5/8/2018 11:10 | 16.34 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 5/8/2018 11:10 | 0.15 | mg/L | DO |
| MR-AP-MW-13S | 5/8/2018 11:10 | 56.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 5/8/2018 11:10 | 5.6 | pH | pH |
| MR-AP-MW-13S | 5/8/2018 11:10 | 18.57 | C | Temperature |
| MR-AP-MW-13S | 5/8/2018 11:10 | 4.6 | NTU | Turbidity |
| MR-AP-MW-13S | 5/8/2018 11:15 | 425.3 | uS/cm | Conductivity |
| MR-AP-MW-13S | 5/8/2018 11:15 | 16.39 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 5/8/2018 11:15 | 0.15 | mg/L | DO |
| MR-AP-MW-13S | 5/8/2018 11:15 | 56.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 5/8/2018 11:15 | 5.6 | pH | pH |
| MR-AP-MW-13S | 5/8/2018 11:15 | 18.55 | C | Temperature |
| MR-AP-MW-13S | 5/8/2018 11:15 | 3.76 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-14 | 5/8/2018 8:47 | 357.9 | uS/cm | Conductivity |
| MR-AP-MW-14 | 5/8/2018 8:47 | 20.21 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 5/8/2018 8:47 | 0.29 | mg/L | DO |
| MR-AP-MW-14 | 5/8/2018 8:47 | -18.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 5/8/2018 8:47 | 6.35 | pH | pH |
| MR-AP-MW-14 | 5/8/2018 8:47 | 18.07 | C | Temperature |
| MR-AP-MW-14 | 5/8/2018 8:47 | 1.11 | NTU | Turbidity |
| MR-AP-MW-14 | 5/8/2018 8:52 | 355.2 | uS/cm | Conductivity |
| MR-AP-MW-14 | 5/8/2018 8:52 | 20.25 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 5/8/2018 8:52 | 0.24 | mg/L | DO |
| MR-AP-MW-14 | 5/8/2018 8:52 | -16.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 5/8/2018 8:52 | 6.36 | pH | pH |
| MR-AP-MW-14 | 5/8/2018 8:52 | 18.08 | C | Temperature |
| MR-AP-MW-14 | 5/8/2018 8:52 | 0.88 | NTU | Turbidity |
| MR-AP-MW-14 | 5/8/2018 8:57 | 352.5 | uS/cm | Conductivity |
| MR-AP-MW-14 | 5/8/2018 8:57 | 20.33 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 5/8/2018 8:57 | 0.23 | mg/L | DO |
| MR-AP-MW-14 | 5/8/2018 8:57 | -15.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 5/8/2018 8:57 | 6.36 | pH | pH |
| MR-AP-MW-14 | 5/8/2018 8:57 | 18.08 | C | Temperature |
| MR-AP-MW-14 | 5/8/2018 8:57 | 0.89 | NTU | Turbidity |
| MR-AP-MW-14 | 5/8/2018 9:02 | 351.3 | uS/cm | Conductivity |
| MR-AP-MW-14 | 5/8/2018 9:02 | 20.4 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 5/8/2018 9:02 | 0.25 | mg/L | DO |
| MR-AP-MW-14 | 5/8/2018 9:02 | -14 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 5/8/2018 9:02 | 6.38 | pH | pH |
| MR-AP-MW-14 | 5/8/2018 9:02 | 18.1 | C | Temperature |
| MR-AP-MW-14 | 5/8/2018 9:02 | 0.79 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-15 | 5/7/2018 12:07 | 402.8 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:07 | 12.4 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:07 | 0.14 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:07 | -39.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 5/7/2018 12:07 | 6.4 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:07 | 19.64 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:07 | 20.8 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:12 | 391.5 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:12 | 12.43 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:12 | 0.13 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:12 | -38.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 5/7/2018 12:12 | 6.41 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:12 | 19.64 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:12 | 21.2 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:17 | 386.2 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:17 | 12.48 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:17 | 0.13 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:17 | -36.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 5/7/2018 12:17 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:17 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:17 | 15.3 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:22 | 384.9 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:22 | 12.52 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:22 | 0.12 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:22 | -34.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 5/7/2018 12:22 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:22 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:22 | 11.58 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:27 | 381.3 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:27 | 12.55 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:27 | 0.12 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:27 | -33.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 5/7/2018 12:27 | 6.43 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:27 | 19.73 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:27 | 8.34 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:32 | 380.7 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:32 | 12.57 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:32 | 0.12 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:32 | -32 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 5/7/2018 12:32 | 6.43 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:32 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:32 | 6.12 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:37 | 382.8 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:37 | 12.59 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:37 | 0.11 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-15 | 5/7/2018 12:37 | -30.3 | mv | Oxidation Reduction Potention |
| MR-AP-MW-15 | 5/7/2018 12:37 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:37 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:37 | 8.26 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:42 | 386.9 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:42 | 12.61 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:42 | 0.12 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:42 | -29.3 | mv | Oxidation Reduction Potention |
| MR-AP-MW-15 | 5/7/2018 12:42 | 6.43 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:42 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:42 | 8.13 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:47 | 384.2 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:47 | 12.63 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:47 | 0.12 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:47 | -28.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-15 | 5/7/2018 12:47 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:47 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:47 | 6.84 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:52 | 384.1 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:52 | 12.65 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:52 | 0.11 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:52 | -27 | mv | Oxidation Reduction Potention |
| MR-AP-MW-15 | 5/7/2018 12:52 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:52 | 19.65 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:52 | 5.24 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 12:57 | 381.9 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 12:57 | 12.67 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 12:57 | 0.11 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 12:57 | -26.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-15 | 5/7/2018 12:57 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 12:57 | 19.71 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 12:57 | 4.81 | NTU | Turbidity |
| MR-AP-MW-15 | 5/7/2018 13:02 | 385 | uS/cm | Conductivity |
| MR-AP-MW-15 | 5/7/2018 13:02 | 12.69 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 5/7/2018 13:02 | 0.11 | mg/L | DO |
| MR-AP-MW-15 | 5/7/2018 13:02 | -25.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-15 | 5/7/2018 13:02 | 6.42 | pH | pH |
| MR-AP-MW-15 | 5/7/2018 13:02 | 19.68 | C | Temperature |
| MR-AP-MW-15 | 5/7/2018 13:02 | 4.77 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-16 | 5/7/2018 13:38 | 994.5 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 13:38 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 13:38 | 2.15 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 13:38 | 217.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 5/7/2018 13:38 | 5.95 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 13:38 | 19.81 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 13:38 | 0.21 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 13:43 | 995.7 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 13:43 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 13:43 | 2.12 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 13:43 | 242.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 5/7/2018 13:43 | 5.94 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 13:43 | 19.78 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 13:43 | 0.19 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 13:48 | 996.7 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 13:48 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 13:48 | 2.03 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 13:48 | 242.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 5/7/2018 13:48 | 5.94 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 13:48 | 19.75 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 13:48 | 0.14 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 13:53 | 1001.2 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 13:53 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 13:53 | 1.88 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 13:53 | 243 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 5/7/2018 13:53 | 5.94 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 13:53 | 19.75 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 13:53 | 0.18 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 13:58 | 1002.5 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 13:58 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 13:58 | 1.7 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 13:58 | 236.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 5/7/2018 13:58 | 5.95 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 13:58 | 19.66 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 13:58 | 0.19 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 14:03 | 1002 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 14:03 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 14:03 | 1.55 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 14:03 | 224.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 5/7/2018 14:03 | 5.96 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 14:03 | 19.72 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 14:03 | 0.17 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 14:08 | 1003.3 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 14:08 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 14:08 | 1.39 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|--------|-------|-------------------------------|
| MR-AP-MW-16 | 5/7/2018 14:08 | 220.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-16 | 5/7/2018 14:08 | 5.98 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 14:08 | 19.68 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 14:08 | 0.15 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 14:13 | 1004.7 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 14:13 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 14:13 | 1.25 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 14:13 | 219.9 | mv | Oxidation Reduction Potention |
| MR-AP-MW-16 | 5/7/2018 14:13 | 5.99 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 14:13 | 19.64 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 14:13 | 0.16 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 14:18 | 1006.6 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 14:18 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 14:18 | 1.14 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 14:18 | 209.9 | mv | Oxidation Reduction Potention |
| MR-AP-MW-16 | 5/7/2018 14:18 | 6 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 14:18 | 19.68 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 14:18 | 0.13 | NTU | Turbidity |
| MR-AP-MW-16 | 5/7/2018 14:23 | 1008.3 | uS/cm | Conductivity |
| MR-AP-MW-16 | 5/7/2018 14:23 | 29.01 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 5/7/2018 14:23 | 1.07 | mg/L | DO |
| MR-AP-MW-16 | 5/7/2018 14:23 | 207.8 | mv | Oxidation Reduction Potention |
| MR-AP-MW-16 | 5/7/2018 14:23 | 6.01 | pH | pH |
| MR-AP-MW-16 | 5/7/2018 14:23 | 19.62 | C | Temperature |
| MR-AP-MW-16 | 5/7/2018 14:23 | 0.17 | NTU | Turbidity |

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Analytical Report



Sample Group : WMWMILAP_1169
Project/Site : Miller Ash Pond
Quinton, AL 35130
For : Southern Company Services
3535 Colonnade Parkway
Birmingham, AL 35243
Attention : Dustin Brooks & Greg Dyer
Released By : Laura Midkiff
lbmidkif@southernco.com
(205) 664-6197

The following data has been reviewed and approved by:

Quality Control:

Laura Midkiff

Digitally signed by Laura Midkiff
DN: cn=Laura Midkiff, o=Alabama Power
Company, ou=Environmental Affairs,
email=lbmidkif@southernco.com, c=US
Date: 2018.11.06 11:09:18 -0600

Supervision: T. Durant
Maske

Digitally signed by T. Durant Maske
DN: cn=T. Durant Maske, o=Alabama
Power Company, ou=Environmental
Affairs, email=tdmaske@southernco.com,
c=US
Date: 2018.11.06 16:50:55 -0600



Metals ICP

Miller Ash Pond

WMWMILAP_1169

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY24103 | 631621 | WMWMILAP_1169 |
| AY24104 | 631621 | WMWMILAP_1169 |
| AY24105 | 631621 | WMWMILAP_1169 |
| AY24106 | 631621 | WMWMILAP_1169 |
| AY24107 | 631621 | WMWMILAP_1169 |
| AY24108 | 631621 | WMWMILAP_1169 |
| AY24109 | 631621 | WMWMILAP_1169 |
| AY24110 | 631621 | WMWMILAP_1169 |
| AY24111 | 631621 | WMWMILAP_1169 |
| AY24112 | 631621 | WMWMILAP_1169 |
| AY24113 | 631622 | WMWMILAP_1169 |
| AY24114 | 631622 | WMWMILAP_1169 |
| AY24115 | 631622 | WMWMILAP_1169 |
| AY24116 | 631622 | WMWMILAP_1169 |
| AY24117 | 631622 | WMWMILAP_1169 |
| AY24118 | 631622 | WMWMILAP_1169 |
| AY24119 | 631622 | WMWMILAP_1169 |
| AY24120 | 631622 | WMWMILAP_1169 |
| AY24121 | 631622 | WMWMILAP_1169 |
| AY24122 | 631622 | WMWMILAP_1169 |
| AY24123 | 631623 | WMWMILAP_1169 |
| AY24124 | 631623 | WMWMILAP_1169 |
| AY24125 | 631623 | WMWMILAP_1169 |
| AY24126 | 631623 | WMWMILAP_1169 |
| AY24127 | 631623 | WMWMILAP_1169 |
| AY24128 | 631623 | WMWMILAP_1169 |
| AY24129 | 631623 | WMWMILAP_1169 |
| AY24130 | 631623 | WMWMILAP_1169 |
| AY24131 | 631623 | WMWMILAP_1169 |



4. All of the above samples were analyzed by EPA 200.7 and prepared by EPA 1638.
5. All samples were analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were not met. ICV was immediately reanalyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The spectral interference check associated with EPA 200.7 was analyzed and all acceptance criteria were met.
- All sample internal standard criteria were met.
- The high standard readbacks associated with EPA 200.7 were within acceptance criteria.
- It is noted that the QC summary page typically provides the QC results from the original batch analytical sequence. If dilutions were subsequently performed to bring sample concentrations within the calibration range, any additional QC data from the dilution analyses may need to be obtained from the laboratory. Any qualifications applied to original analyses or dilution re-analyses are based upon QC data available at the time of review.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for accuracy were met except for the following:
 - AY24112 Calcium MS/MSD spike levels were less than 30% of the sample nominal concentration.
- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.



7. All samples were analyzed at a x2.03 dilution to compensate for potential matrix effects except for the following:

| <u>Sample</u> | <u>Dilution</u> | <u>Analyte</u> |
|---------------|-----------------|----------------|
| AY24103 | x10 | Ca |
| AY24104 | x10 | Ca |
| AY24105 | x10 | Ca |
| AY24107 | x10 | Ca |
| AY24113 | x10 | Ca |
| AY24114 | x10 | Ca |
| AY24118 | x10 | Ca |
| AY24119 | x10 | Ca |
| AY24120 | x10 | Ca |
| AY24125 | x10 | Ca |
| AY24126 | x10 | Ca |
| AY24127 | x10 | Ca |
| AY24128 | x10 | Ca |

8. The raw data results are shown with dilution factors included.



Metals ICPMS

Miller Ash Pond

WMWMILAP_1169

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY24103 | 630755 | WMWMILAP_1169 |
| AY24104 | 630755 | WMWMILAP_1169 |
| AY24105 | 630755 | WMWMILAP_1169 |
| AY24106 | 630755 | WMWMILAP_1169 |
| AY24107 | 630755 | WMWMILAP_1169 |
| AY24108 | 630755 | WMWMILAP_1169 |
| AY24109 | 630755 | WMWMILAP_1169 |
| AY24110 | 630755 | WMWMILAP_1169 |
| AY24111 | 630755 | WMWMILAP_1169 |
| AY24112 | 630755 | WMWMILAP_1169 |
| AY24113 | 630756 | WMWMILAP_1169 |
| AY24114 | 630756 | WMWMILAP_1169 |
| AY24115 | 630756 | WMWMILAP_1169 |
| AY24116 | 630756 | WMWMILAP_1169 |
| AY24117 | 630756 | WMWMILAP_1169 |
| AY24118 | 630756 | WMWMILAP_1169 |
| AY24119 | 630756 | WMWMILAP_1169 |
| AY24120 | 630756 | WMWMILAP_1169 |
| AY24121 | 630756 | WMWMILAP_1169 |
| AY24122 | 630756 | WMWMILAP_1169 |
| AY24123 | 630757 | WMWMILAP_1169 |
| AY24124 | 630757 | WMWMILAP_1169 |
| AY24125 | 630757 | WMWMILAP_1169 |
| AY24126 | 630757 | WMWMILAP_1169 |
| AY24127 | 630757 | WMWMILAP_1169 |
| AY24128 | 630757 | WMWMILAP_1169 |
| AY24129 | 630757 | WMWMILAP_1169 |
| AY24130 | 630757 | WMWMILAP_1169 |
| AY24131 | 630757 | WMWMILAP_1169 |



4. All of the above samples were analyzed by EPA 200.8 and prepared by EPA 1638.
5. All samples were analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- All tune and calibration met criteria for all requested analytes.
- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The interference check samples associated with EPA 200.8 were analyzed and passed for all requested analytes.
- All sample internal standard criteria were met.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for precision were met.
7. All samples were analyzed at a x5.075 dilution to compensate for potential matrix effects.
 8. The raw data results are shown with dilution factors included.



Mercury

Miller Ash Pond

WMWMILAP_1169

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY24103 | 630020 | WMWMILAP_1169 |
| AY24104 | 630020 | WMWMILAP_1169 |
| AY24105 | 630020 | WMWMILAP_1169 |
| AY24106 | 630020 | WMWMILAP_1169 |
| AY24107 | 630020 | WMWMILAP_1169 |
| AY24108 | 630020 | WMWMILAP_1169 |
| AY24109 | 630020 | WMWMILAP_1169 |
| AY24110 | 630020 | WMWMILAP_1169 |
| AY24111 | 630020 | WMWMILAP_1169 |
| AY24112 | 630020 | WMWMILAP_1169 |
| AY24113 | 630021 | WMWMILAP_1169 |
| AY24114 | 630021 | WMWMILAP_1169 |
| AY24115 | 630021 | WMWMILAP_1169 |
| AY24116 | 630021 | WMWMILAP_1169 |
| AY24117 | 630021 | WMWMILAP_1169 |
| AY24118 | 630021 | WMWMILAP_1169 |
| AY24119 | 630021 | WMWMILAP_1169 |
| AY24120 | 630021 | WMWMILAP_1169 |
| AY24121 | 630021 | WMWMILAP_1169 |
| AY24122 | 630021 | WMWMILAP_1169 |
| AY24123 | 630027 | WMWMILAP_1169 |
| AY24124 | 630027 | WMWMILAP_1169 |
| AY24125 | 630027 | WMWMILAP_1169 |
| AY24126 | 630027 | WMWMILAP_1169 |
| AY24127 | 630027 | WMWMILAP_1169 |
| AY24128 | 630027 | WMWMILAP_1169 |
| AY24129 | 630027 | WMWMILAP_1169 |
| AY24130 | 630027 | WMWMILAP_1169 |
| AY24131 | 630027 | WMWMILAP_1169 |



4. All of the above samples were analyzed and prepared by EPA 245.1.
5. All samples were analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the method detection limit for the requested analyte.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analyte.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analyte.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch was below the limit of quantitation for the requested analyte.
- All calibration met criteria for the requested analyte.
- All response signals were satisfactory.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.
7. All samples were analyzed without a dilution.
 8. The raw data results are shown with dilution factors included.



TDS

Miller Ash Pond

WMWMILAP_1169

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY24103 | 630304 | WMWMILAP_1169 |
| AY24104 | 630304 | WMWMILAP_1169 |
| AY24105 | 630304 | WMWMILAP_1169 |
| AY24106 | 630304 | WMWMILAP_1169 |
| AY24107 | 630304 | WMWMILAP_1169 |
| AY24108 | 630304 | WMWMILAP_1169 |
| AY24109 | 630304 | WMWMILAP_1169 |
| AY24110 | 630304 | WMWMILAP_1169 |
| AY24111 | 630304 | WMWMILAP_1169 |
| AY24112 | 630305 | WMWMILAP_1169 |
| AY24113 | 630305 | WMWMILAP_1169 |
| AY24114 | 630305 | WMWMILAP_1169 |
| AY24115 | 630305 | WMWMILAP_1169 |
| AY24116 | 630305 | WMWMILAP_1169 |
| AY24117 | 630305 | WMWMILAP_1169 |
| AY24118 | 630305 | WMWMILAP_1169 |
| AY24119 | 630305 | WMWMILAP_1169 |
| AY24120 | 630305 | WMWMILAP_1169 |
| AY24121 | 630458 | WMWMILAP_1169 |
| AY24122 | 630458 | WMWMILAP_1169 |
| AY24123 | 630458 | WMWMILAP_1169 |
| AY24124 | 630458 | WMWMILAP_1169 |
| AY24125 | 630458 | WMWMILAP_1169 |
| AY24126 | 630458 | WMWMILAP_1169 |
| AY24127 | 630458 | WMWMILAP_1169 |
| AY24128 | 630305 | WMWMILAP_1169 |
| AY24129 | 630458 | WMWMILAP_1169 |
| AY24130 | 630458 | WMWMILAP_1169 |
| AY24131 | 630458 | WMWMILAP_1169 |



4. All of the above samples were analyzed by Standard Method 2540C.
5. All samples were analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- A Method Blank was analyzed with each batch. All criteria were met.
- All final weights of samples, standards, and blanks agreed within 0.5mg of the previous weight.
- A sample duplicate was analyzed with each batch. RPD/2 was less than 5%, except for the following:
 - Precision was outside the limits for sample AY24131, but the results were below the reporting limit. Therefore, the results are acceptable.
- A laboratory control sample was analyzed with each batch. All criteria were met.
- Samples were between 2.5mg and 200mg residue.
- All samples with residue <2.5mg had the maximum volume of 150mL filtered. Affected samples are as follows:
 - AY24106
 - AY24115
 - AY24130
 - AY24131

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY24103

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00174 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0933 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | J 0.0559 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 94.1 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00248 | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.136 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00745 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 830 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY24103

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|-------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24112 | Cobalt, Total | mg/L | 0.00000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.00000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.00000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY24103

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|-------|----|-------|-------|-----|-----------|------|-----|----------|-----|-------|-------|-------|
| | | | | | | | | Duplicate | LCS | | | Rec | Limit | Prec | Limit |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | | 25 | | | 710 | 51.0 | | 40 to 60 | | | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY24104

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0322 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | J 0.0262 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 121 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.307 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 1010 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY24104

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | | 91.9 | 70 to 130 | 0.392 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | | 99.0 | 70 to 130 | 0.329 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY24104

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | LCS | Rec | Prec | Prec |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Limit | Limit |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY24105

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00184 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0126 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 3.46 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 164 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.184 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0951 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 1430 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY24105

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY24105

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24106

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | U Not Detected | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24106

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24106

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY24107

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0119 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.503 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 245 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.0110 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0877 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 1180 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY24107

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY24107

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|-------|----|-------|-------|-----|-----------|------|-----|----------|-------|-------|-------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Limit | | | |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | | 25 | | | 710 | 51.0 | | 40 to 60 | | | 0.421 | | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY24108

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0241 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.437 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 51.7 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.119 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 616 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY24108

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY24108

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY24109

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00182 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0108 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.752 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 63.8 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.0182 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0736 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 776 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY24109

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-------|------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY24109

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY24110

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00120 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0302 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 1.16 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 51.3 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.00555 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0494 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0168 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 694 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY24110

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-------|------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | |
| AY24112 | Cobalt, Total | mg/L | 0.00000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | 91.9 | 70 to 130 | 0.392 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY24110

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|-------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY24111

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0169 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 2.05 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 55.2 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0295 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0532 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 716 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY24111

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|-------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | | 91.9 | 70 to 130 | 0.392 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY24111

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY24111 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 710 | 51.0 | 40 to 60 | 0.421 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S DUP

Laboratory ID Number: AY24112

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0176 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 2.05 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 55.0 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0296 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0544 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 734 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: Recovery for Calcium is out of spec. Spike amount is less than 30% of the sample amount. LBM 11/5/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S DUP

Laboratory ID Number: AY24112

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|-------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY24112 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0959 | 0.0970 | 0.101 | 0.085 to 0.115 | | 95.9 | 70 to 130 | 1.16 | 20 |
| AY24112 | Calcium, Total | mg/L | 0.00174 | 0.22 | 5.00 | 57.5 | 57.8 | 4.89 | 4.25 to 5.75 | | 50.0 | 70 to 130 | 0.520 | 20 |
| AY24112 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0992 | 0.0999 | 0.0986 | 0.085 to 0.115 | | 99.2 | 70 to 130 | 0.631 | 20 |
| AY24112 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.0934 | 0.0939 | 0.103 | 0.085 to 0.115 | | 93.4 | 70 to 130 | 0.498 | 20 |
| AY24112 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.109 | 0.108 | 0.105 | 0.085 to 0.115 | | 109 | 70 to 130 | 0.924 | 20 |
| AY24112 | Lithium, Total | mg/L | -0.00000334 | 0.022 | 0.200 | 0.249 | 0.255 | 0.193 | 0.17 to 0.23 | | 110 | 70 to 130 | 2.38 | 20 |
| AY24112 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0837 | 0.0895 | 0.100 | 0.085 to 0.115 | | 83.7 | 70 to 130 | 6.72 | 20 |
| AY24112 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0990 | 0.0993 | 0.0952 | 0.085 to 0.115 | | 99.0 | 70 to 130 | 0.329 | 20 |
| AY24112 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0976 | 0.0982 | 0.105 | 0.085 to 0.115 | | 97.6 | 70 to 130 | 0.612 | 20 |
| AY24112 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0907 | 0.0920 | 0.0946 | 0.085 to 0.115 | | 90.7 | 70 to 130 | 1.40 | 20 |
| AY24112 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.0993 | 0.101 | 0.0883 | 0.085 to 0.115 | | 81.8 | 70 to 130 | 1.76 | 20 |
| AY24112 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0873 | 0.0888 | 0.100 | 0.085 to 0.115 | | 87.3 | 70 to 130 | 1.75 | 20 |
| AY24112 | Mercury, Total by CVAA | mg/L | 0.0000392 | 0.0005 | 0.004 | 0.00396 | 0.00388 | 0.00402 | 0.0034 to 0.0046 | | 99.0 | 70 to 130 | 1.94 | 20 |
| AY24112 | Boron, Total | mg/L | -0.000739 | 0.044 | 1.00 | 2.93 | 2.98 | 0.981 | 0.85 to 1.15 | | 88.0 | 70 to 130 | 1.69 | 20 |
| AY24112 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.146 | 0.147 | 0.0993 | 0.085 to 0.115 | | 91.9 | 70 to 130 | 0.392 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: Recovery for Calcium is out of spec. Spike amount is less than 30% of the sample amount. LBM 11/5/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S DUP

Laboratory ID Number: AY24112

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: Recovery for Calcium is out of spec. Spike amount is less than 30% of the sample amount. LBM 11/5/18

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY24113

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00202 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0333 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.737 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 82.0 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.153 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0302 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 558 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY24113

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|-------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.0000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | | 107 | 70 to 130 | 0.344 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.0000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | | 90.4 | 70 to 130 | 7.22 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | | 93.6 | 70 to 130 | 3.33 | 20 |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | | 92.6 | 70 to 130 | 3.39 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY24113

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY24114

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00211 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0296 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.769 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 114 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.103 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00618 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 764 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY24114

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY24114

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24115

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | U Not Detected | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24115

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|-------|----|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | | |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | | 99.4 | 70 to 130 | | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | | 96.1 | 70 to 130 | | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | | 94.4 | 70 to 130 | | 2.73 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | | 83.9 | 70 to 130 | | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | | 87.6 | 70 to 130 | | 3.23 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | | 100 | 70 to 130 | | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | | 107 | 70 to 130 | | 0.344 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | | 90.0 | 70 to 130 | | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | | 95.0 | 70 to 130 | | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | | 90.4 | 70 to 130 | | 7.22 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | | 106 | 70 to 130 | | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | | 98.4 | 70 to 130 | | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | | 93.6 | 70 to 130 | | 3.33 | 20 |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | | 108 | 70 to 130 | | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | | 92.6 | 70 to 130 | | 3.39 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24115

| Sample | Analysis | Units | MB | MB Limit | Spike | LFM | Sample Duplicate | LCS | LCS Limit | Rec | Rec Limit | Prec | Prec Limit |
|---------|-------------------|-------|-------|----------|-------|-----|------------------|------|-----------|-----|-----------|------|------------|
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY24116

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00206 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.121 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.202 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 3.78 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.175 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0377 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 536 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY24116

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY24116

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY24117

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00166 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.111 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.420 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 11.1 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.137 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 464 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY24117

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|-----------|------------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY24117

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | | |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY24118

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0109 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0149 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.833 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 290 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.232 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0686 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 1300 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY24118

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|-------|------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.0000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY24118

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|-------|----|-------|-------|-----|-----------|------|-----|----------|-------|-------|------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Limit | | | |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | | 25 | | | 1420 | 51.0 | | 40 to 60 | | | 2.20 | | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY24119

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0230 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.905 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 150 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.0616 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0770 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | J 0.00565 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 50 | 882 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY24119

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|------|-------|----|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | | |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | | 99.4 | 70 to 130 | | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | | 96.1 | 70 to 130 | | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | | 94.4 | 70 to 130 | | 2.73 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | | 83.9 | 70 to 130 | | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | | 87.6 | 70 to 130 | | 3.23 | 20 |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | | 108 | 70 to 130 | | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | | 92.6 | 70 to 130 | | 3.39 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | | 106 | 70 to 130 | | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | | 98.4 | 70 to 130 | | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | | 93.6 | 70 to 130 | | 3.33 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | | 90.0 | 70 to 130 | | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | | 95.0 | 70 to 130 | | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | | 90.4 | 70 to 130 | | 7.22 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | | 100 | 70 to 130 | | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | | 107 | 70 to 130 | | 0.344 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY24119

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|-------|----|-------|-------|-----|-----------|------|-----|----------|-----|-------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Rec | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | | 25 | | | 1420 | 51.0 | | 40 to 60 | | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY24120

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00240 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0167 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 6.35 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 174 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.190 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.310 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 250 | 2630 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY24120

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY24120

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report
 Laboratory certification ID: E571114
 Issued By: State of Florida, Department of Health
 Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY24121

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00272 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0712 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.102 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 44.6 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0404 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | 283 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY24121

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY24121

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY24122

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00362 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0180 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.106 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 15.8 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.0209 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0777 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | 304 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY24122

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|--------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24122 | Barium, Total | mg/L | -0.000000653 | 0.0044 | 0.10 | 0.102 | 0.101 | 0.0883 | 0.085 to 0.115 | 83.9 | 70 to 130 | 1.14 | 20 |
| AY24122 | Chromium, Total | mg/L | 0.0000424 | 0.0044 | 0.10 | 0.0876 | 0.0848 | 0.100 | 0.085 to 0.115 | 87.6 | 70 to 130 | 3.23 | 20 |
| AY24122 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.106 | 0.106 | 0.105 | 0.085 to 0.115 | 106 | 70 to 130 | 0.259 | 20 |
| AY24122 | Cadmium, Total | mg/L | -0.000000188 | 0.00066 | 0.10 | 0.0984 | 0.0949 | 0.101 | 0.085 to 0.115 | 98.4 | 70 to 130 | 3.62 | 20 |
| AY24122 | Cobalt, Total | mg/L | 0.000000815 | 0.0044 | 0.10 | 0.115 | 0.111 | 0.103 | 0.085 to 0.115 | 93.6 | 70 to 130 | 3.33 | 20 |
| AY24122 | Calcium, Total | mg/L | -0.000135 | 0.22 | 5.00 | 21.2 | 21.1 | 4.93 | 4.25 to 5.75 | 108 | 70 to 130 | 0.473 | 20 |
| AY24122 | Molybdenum, Total | mg/L | 0.0000127 | 0.0044 | 0.10 | 0.0926 | 0.0895 | 0.0993 | 0.085 to 0.115 | 92.6 | 70 to 130 | 3.39 | 20 |
| AY24122 | Antimony, Total | mg/L | 0.0000641 | 0.00176 | 0.10 | 0.0994 | 0.0973 | 0.105 | 0.085 to 0.115 | 99.4 | 70 to 130 | 2.18 | 20 |
| AY24122 | Mercury, Total by CVAA | mg/L | 0.0000413 | 0.0005 | 0.004 | 0.00385 | 0.00372 | 0.00384 | 0.0034 to 0.0046 | 96.1 | 70 to 130 | 3.44 | 20 |
| AY24122 | Thallium, Total | mg/L | 0.00000604 | 0.00044 | 0.10 | 0.0944 | 0.0970 | 0.0952 | 0.085 to 0.115 | 94.4 | 70 to 130 | 2.73 | 20 |
| AY24122 | Boron, Total | mg/L | 0.000386 | 0.044 | 1.00 | 1.11 | 1.11 | 0.990 | 0.85 to 1.15 | 100 | 70 to 130 | 0.00 | 20 |
| AY24122 | Lithium, Total | mg/L | 0.00000113 | 0.022 | 0.200 | 0.291 | 0.290 | 0.200 | 0.17 to 0.23 | 107 | 70 to 130 | 0.344 | 20 |
| AY24122 | Arsenic, Total | mg/L | 0.00000927 | 0.0022 | 0.10 | 0.0936 | 0.0911 | 0.0946 | 0.085 to 0.115 | 90.0 | 70 to 130 | 2.70 | 20 |
| AY24122 | Lead, Total | mg/L | 0.00000415 | 0.0022 | 0.10 | 0.0950 | 0.0975 | 0.0986 | 0.085 to 0.115 | 95.0 | 70 to 130 | 2.55 | 20 |
| AY24122 | Selenium, Total | mg/L | 0.0000414 | 0.0044 | 0.10 | 0.0904 | 0.0841 | 0.100 | 0.085 to 0.115 | 90.4 | 70 to 130 | 7.22 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY24122

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY24123

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0623 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.118 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 32.8 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | J 0.0195 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | 213 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY24123

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY24123

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY24124

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0588 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.237 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.2 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | J 0.0190 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | 239 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY24124

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY24124

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY24125

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0271 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 2.85 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 211 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.0285 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0114 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 50 | 982 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY24125

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | | | | | Limit | Prec | | |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY24125

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY24126

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0100 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0234 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.471 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 242 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.00683 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.123 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0228 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 100 | 1220 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY24126

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY24126

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY24127

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00156 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0136 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.150 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 272 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | 0.0525 | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.250 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 125 | 2460 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY24127

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY24127

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: AY24128

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0110 | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0145 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.919 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 305 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | 0.263 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0681 | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/17/2018 | SM 2540C | | 1 | | 100 | 1490 | mg/L |
| Filter Completion Date | CRB | 10/12/2018 | SM 2540C | | 1 | | | 10/12/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: AY24128

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|------------|----|
| | | | | Limit | Spike | | | | | Rec | Limit | | |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.00000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: AY24128

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|-------|-------|-------|-----|-----------|------|----------|-------|------|-------|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | Prec | Limit |
| AY24128 | Solids, Dissolved | mg/L | -5.00 | 25 | | | 1420 | 51.0 | 40 to 60 | | 2.20 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: AY24129

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | 0.0564 | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | 0.257 | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.2 | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | J 0.0189 | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | 237 | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: AY24129

| Sample | Analysis | Units | MB | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-------|-----------|--------|------|------|
| | | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 | |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 | |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 | |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 | |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 | |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 | |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 | |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 | |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 | |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 | |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 | |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 | |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 | |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 | |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: AY24129

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|------|-------|---|
| | | | | Limit | | | Duplicate | LCS | Limit | Rec | Limit | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24130

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | U Not Detected | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24130

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|------|-----------|--------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | 90.0 | 70 to 130 | 0.571 | 20 |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.000000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.000000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | 98.9 | 70 to 130 | 0.385 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | 99.5 | 70 to 130 | 0.0729 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24130

| Sample | Analysis | Units | MB | MB | Spike | LFM | Sample | LCS | Rec | Prec | |
|---------|-------------------|-------|--------|-------|-------|-----|-----------|------|----------|-------|---|
| | | | Limit | Limit | | | Duplicate | LCS | Limit | Limit | |
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | -11 | 51.0 | 40 to 60 | 0.00 | 5 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY24131

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|-----------|----------|-------|---------|--------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Arsenic, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Barium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Beryllium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0006 | 0.003 | U Not Detected | mg/L |
| * Boron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.02 | 0.1 | U Not Detected | mg/L |
| * Calcium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Cadmium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0003 | 0.001 | U Not Detected | mg/L |
| * Antimony, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0008 | 0.003 | U Not Detected | mg/L |
| * Cobalt, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.005 | U Not Detected | mg/L |
| * Chromium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Mercury, Total by CVAA | GAS | 10/12/2018 | EPA 245.1 | | 1 | 0.00025 | 0.0005 | U Not Detected | mg/L |
| * Lithium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.02 | U Not Detected | mg/L |
| * Molybdenum, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Lead, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Selenium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.002 | 0.01 | U Not Detected | mg/L |
| * Thallium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.0002 | 0.001 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| * Solids, Dissolved | CRB | 10/19/2018 | SM 2540C | | 1 | | 25 | U Not Detected | mg/L |
| Filter Completion Date | CRB | 10/15/2018 | SM 2540C | | 1 | | | 10/15/2018 | Date |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The precision for TDS was outside the acceptable limit, but the results were below the reporting limit. Therefore, the results are acceptable. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY24131

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|------------------------|-------|-------------|---------|-------|---------|---------|---------|------------------|-----|-------|-----------|--------|-------|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | |
| AY24131 | Chromium, Total | mg/L | 0.0000326 | 0.0044 | 0.10 | 0.0878 | 0.0887 | 0.0978 | 0.085 to 0.115 | | 87.8 | 70 to 130 | 0.945 | 20 |
| AY24131 | Cadmium, Total | mg/L | 0.00000839 | 0.00066 | 0.10 | 0.0956 | 0.0967 | 0.0972 | 0.085 to 0.115 | | 95.6 | 70 to 130 | 1.10 | 20 |
| AY24131 | Calcium, Total | mg/L | 0.00262 | 0.22 | 5.00 | 4.83 | 4.84 | 4.98 | 4.25 to 5.75 | | 96.6 | 70 to 130 | 0.207 | 20 |
| AY24131 | Selenium, Total | mg/L | 0.0000409 | 0.0044 | 0.10 | 0.0857 | 0.0850 | 0.0970 | 0.085 to 0.115 | | 85.7 | 70 to 130 | 0.767 | 20 |
| AY24131 | Antimony, Total | mg/L | 0.0000615 | 0.00176 | 0.10 | 0.0954 | 0.0976 | 0.105 | 0.085 to 0.115 | | 95.4 | 70 to 130 | 2.24 | 20 |
| AY24131 | Beryllium, Total | mg/L | 0.000000 | 0.00132 | 0.10 | 0.108 | 0.113 | 0.109 | 0.085 to 0.115 | | 108 | 70 to 130 | 4.10 | 20 |
| AY24131 | Molybdenum, Total | mg/L | 0.0000100 | 0.0044 | 0.10 | 0.0896 | 0.0909 | 0.0910 | 0.085 to 0.115 | | 89.6 | 70 to 130 | 1.43 | 20 |
| AY24131 | Boron, Total | mg/L | -0.000200 | 0.044 | 1.00 | 0.978 | 0.974 | 1.00 | 0.85 to 1.15 | | 97.8 | 70 to 130 | 0.410 | 20 |
| AY24131 | Thallium, Total | mg/L | 0.00000581 | 0.00044 | 0.10 | 0.0982 | 0.0984 | 0.0978 | 0.085 to 0.115 | | 98.2 | 70 to 130 | 0.180 | 20 |
| AY24131 | Lithium, Total | mg/L | 0.00000491 | 0.022 | 0.200 | 0.198 | 0.195 | 0.196 | 0.17 to 0.23 | | 99.0 | 70 to 130 | 1.53 | 20 |
| AY24131 | Mercury, Total by CVAA | mg/L | 0.0000377 | 0.0005 | 0.004 | 0.00398 | 0.00398 | 0.00398 | 0.0034 to 0.0046 | | 99.5 | 70 to 130 | 0.0729 | 20 |
| AY24131 | Barium, Total | mg/L | -0.00000167 | 0.0044 | 0.10 | 0.0832 | 0.0847 | 0.0864 | 0.085 to 0.115 | | 83.2 | 70 to 130 | 1.80 | 20 |
| AY24131 | Cobalt, Total | mg/L | 0.00000627 | 0.0044 | 0.10 | 0.0912 | 0.0917 | 0.0984 | 0.085 to 0.115 | | 91.2 | 70 to 130 | 0.630 | 20 |
| AY24131 | Lead, Total | mg/L | 0.00000543 | 0.0022 | 0.10 | 0.0989 | 0.0993 | 0.103 | 0.085 to 0.115 | | 98.9 | 70 to 130 | 0.385 | 20 |
| AY24131 | Arsenic, Total | mg/L | 0.00000864 | 0.0022 | 0.10 | 0.0900 | 0.0905 | 0.0926 | 0.085 to 0.115 | | 90.0 | 70 to 130 | 0.571 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The precision for TDS was outside the acceptable limit, but the results were below the reporting limit. Therefore, the results are acceptable. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY24131

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample Duplicate | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|---------|-------------------|-------|--------|----|-------|-------|-----|------------------|------|----------|-------|-----|-----|------|------|-------|
| AY24131 | Solids, Dissolved | mg/L | 0.0000 | 25 | | | | -11 | 51.0 | 40 to 60 | | | | 0.00 | 5 | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The precision for TDS was outside the acceptable limit, but the results were below the reporting limit. Therefore, the results are acceptable. LBM 11/6/18

CC:

Definitions



| Abbreviation | Description |
|--------------|---|
| DF | Dilution Factor |
| LCS | Lab Control Sample |
| LFM | Lab Fortified Matrix |
| MB | Method Blank |
| MDL | Method Detection Limit; minimum concentration of an analyte that can be determined with 99% confidence that the concentration is greater than zero. |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| Prec | Precision (% RPD) |
| Q | Qualifier; comment used to note deviations or additional information associated with analytical results. |
| QC | Quality Control |
| Rec | Recovery of Matrix Spike |
| RL | Reporting Limit; lowest concentration at which an analyte can be quantitatively measured. |
| Vio Spec | Violation Specification; regulatory limit which has been exceeded by the sample analyzed. |

| Qualifier | Description |
|-----------|---|
| B | Analyte found in reagent blank. Indicates possible reagent or background contamination. |
| E | Estimated reported value exceeded calibration range. |
| J | Reported value is an estimate because concentration is less than reporting limit. |
| N | Organic constituents tentatively identified. Confirmation is needed. |
| R | Matrix spike recovery is out of range. |
| U | Compound was analyzed, but not detected. |
| P | Precision is out of range. |
| C | Analyte was verified by re-analysis. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |
| L | Check standard is outside of the required specification limit. |
| D | All samples were stored at less than or equal to 6 °C and for no longer than 48 hours from time of sampling, unless otherwise noted. |
| F | Water Field Group (WFG) qualifier; see comments for more information |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Lab ETA 10/10/2018 09:00

| | | | | | |
|-------------------------|---------------------|------------|--------------------------|--------------|-----------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer | | |
| | Site Representative | | Jeff K. Baker | Requested By | Greg Dyer |
| | Collector | | Nick Pitts | | Location |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | TDS | 500 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Hg | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-------------|------------|---------|
| MW-1 | 10/9/18 | 12:20 | 3 | Groundwater | | AY24103 |
| MW-11 | 10/09/2018 | 15:28 | 3 | Groundwater | | AY24104 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 08:19 |
| | | |
| | | |

| | | | | |
|--------------|----------------|---|----------------|-----------------|
| SmarTroll ID | 4696-23444-3-3 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> | | |
| Turbidity ID | 3901-20009-2-1 | | Cooler Temp | 0.4 degrees C |
| Sample Event | 1169 | | Thermometer ID | 5408-27568-2-2 |
| | | | pH Strip ID | 6959-37680-30-1 |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Lab ETA **10/10/2018 08:30**

| | | | | | |
|-------------------------|---------------------|----------------|------------|--------------------------|-----------------|
| Requested Complete Date | Routine | | Results To | Dustin Brooks, Greg Dyer | |
| | Site Representative | | | Requested By | |
| | Jeff K. Baker | | | Greg Dyer | |
| Collector | | Ben Rothschild | Location | | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | TDS | 500 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Hg | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|-----------|------------|-------|--------------|------------------|------------|---------|
| MW-10 | 10/8/18 | 13:23 | 3 | Groundwater | | AY24105 |
| FB-2 | 10/08/2018 | 13:55 | 3 | Field Blank | | AY24106 |
| MW-4 | 10/08/2018 | 16:20 | 3 | Groundwater | | AY24107 |
| MW-9S | 10/09/2018 | 09:28 | 3 | Groundwater | | AY24108 |
| MW-9D | 10/09/2018 | 10:32 | 3 | Groundwater | | AY24109 |
| MW-8D | 10/09/2018 | 11:39 | 3 | Groundwater | | AY24110 |
| MW-8S | 10/09/2018 | 12:46 | 3 | Groundwater | | AY24111 |
| MW-8S DUP | 10/09/2018 | 12:46 | 3 | Sample Duplicate | | AY24112 |
| MW-7S | 10/09/2018 | 14:02 | 3 | Groundwater | | AY24113 |
| MW-7D | 10/09/2018 | 15:02 | 3 | Groundwater | | AY24114 |
| FB-3 | 10/09/2018 | 15:30 | 3 | Field Blank | | AY24115 |
| MW-3s | 10/09/2018 | 16:30 | 3 | Groundwater | | AY24116 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 08:45 |
| | | |
| | | |

| | | |
|----------------|------------------|---|
| SmarTroll ID | 6496-34170-1-1 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 4677-23343-4-2 | |
| Sample Event | 1169 | |
| | | |
| Cooler Temp | 0.4 degrees C | |
| Thermometer ID | 5408-27568-2-2 | |
| pH Strip ID | 6959-37699-30-20 | |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Lab ETA 10/10/2018 09:00

| | | | |
|-------------------------|-----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | TDS | 500 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Hg | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|------------------|------------|---------|
| PZ-5 | 10/8/18 | 13:45 | 3 | Groundwater | | AY24117 |
| MW-5 | 10/08/2018 | 14:57 | 3 | Groundwater | | AY24118 |
| MW-6 | 10/08/2018 | 15:46 | 3 | Groundwater | | AY24119 |
| MW-12 | 10/08/2018 | 17:23 | 3 | Groundwater | | AY24120 |
| MW-13D | 10/09/2018 | 08:35 | 3 | Groundwater | | AY24121 |
| MW-13S | 10/09/2018 | 10:42 | 3 | Groundwater | | AY24122 |
| MW-14 | 10/09/2018 | 12:15 | 3 | Groundwater | | AY24123 |
| MW-15 | 10/09/2018 | 13:12 | 3 | Groundwater | | AY24124 |
| MW-16 | 10/09/2018 | 14:06 | 3 | Groundwater | | AY24125 |
| MW-3D | 10/09/2018 | 15:02 | 3 | Groundwater | | AY24126 |
| MW-2 | 10/09/2018 | 16:48 | 3 | Groundwater | | AY24127 |
| MW-5DUP | 10/08/2018 | 14:57 | 3 | Sample Duplicate | | AY24128 |
| MW-15DUP | 10/09/2018 | 13:12 | 3 | Sample Duplicate | | AY24129 |
| FB-1 | 10/09/2018 | 13:55 | 3 | Field Blank | | AY24130 |
| EB-1 | 10/09/2018 | 18:00 | 3 | Equipment Blank | | AY24131 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 10:10 |
| | | |
| | | |

| | | |
|--------------|----------------|---|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | Cooler Temp |
| Sample Event | 1169 | 5408-27568-2-2 |
| | | Thermometer ID |
| | | 6959-37699-30-20 & 6959-37698-30-19 |
| | | pH Strip ID |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Lab ETA 10/10/2018 09:00

| | | | |
|-------------------------|---------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Nick Pitts | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|--------|--------|---|-----|-----|---|-----|-----|---|-----|-----|
| Bottles | 1 | Radium | 1 L | 3 | N/A | N/A | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Anions | 250 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-------------|------------|---------|
| MW-1 | 10/9/18 | 12:20 | 2 | Groundwater | | AY24132 |
| MW-11 | 10/09/2018 | 15:28 | 2 | Groundwater | | AY24133 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 08:20 |
| | | |
| | | |

| | | | |
|--------------|----------------|---|-------------------------------------|
| SmarTroll ID | 4696-23444-3-3 | All metals and radiological bottles have pH < 2 | <input checked="" type="checkbox"/> |
| Turbidity ID | 3901-20009-2-1 | Cooler Temp | 0.4 degrees C |
| Sample Event | 1169 | Thermometer ID | 5408-27568-2-2 |
| | | pH Strip ID | 6959-37680-30-1 |



Chain of Custody

Groundwater

APC General Testing Laboratory

Field Complete
 Lab Complete

Outside Lab

Lab ETA 10/10/2018 09:00

| | | | |
|-------------------------|-----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |

| | | | | | | | | |
|---------|----------|--------|-------|-----|-------|-----|-------|-----|
| Bottles | 1 Radium | 1 L | 3 N/A | N/A | 5 N/A | N/A | 7 N/A | N/A |
| | 2 Anions | 250 mL | 4 N/A | N/A | 6 N/A | N/A | 8 N/A | N/A |

Comments: Radium Duplicate collected MW-6; Test America

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|------------------|------------|---------|
| PZ-5 | 10/8/18 | 13:45 | 2 | Groundwater | | AY24146 |
| MW-5 | 10/08/2018 | 14:57 | 2 | Groundwater | | AY24147 |
| MW-6 | 10/08/2018 | 15:46 | 4 | Groundwater | | AY24148 |
| MW-12 | 10/08/2018 | 17:23 | 2 | Groundwater | | AY24149 |
| MW-13D | 10/09/2018 | 08:35 | 2 | Groundwater | | AY24150 |
| MW-13S | 10/09/2018 | 10:42 | 2 | Groundwater | | AY24151 |
| MW-14 | 10/09/2018 | 12:15 | 2 | Groundwater | | AY24152 |
| MW-15 | 10/09/2018 | 13:12 | 2 | Groundwater | | AY24153 |
| MW-16 | 10/09/2018 | 14:06 | 2 | Groundwater | | AY24154 |
| MW-3D | 10/09/2018 | 15:02 | 2 | Groundwater | | AY24155 |
| MW-2 | 10/09/2018 | 16:48 | 2 | Groundwater | | AY24156 |
| MW-5DUP | 10/08/2018 | 14:57 | 2 | Sample Duplicate | | AY24157 |
| MW-15DUP | 10/09/2018 | 13:12 | 2 | Sample Duplicate | | AY24158 |
| FB-1 | 10/09/2018 | 13:55 | 2 | Field Blank | | AY24159 |
| EB-1 | 10/09/2018 | 18:00 | 2 | Equipment Blank | | AY24160 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 10:10 |
| | | |
| | | |

| | | |
|--------------|----------------|---|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | Cooler Temp |
| Sample Event | 1169 | 0.3 degrees C |
| | | Thermometer ID |
| | | 5408-27568-2-2 |
| | | pH Strip ID |
| | | 6959-37699-30-20 & 6959-37698-30-19 |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-160630-1

TestAmerica Sample Delivery Group: Miller Ash Pond 1169

Client Project/Site: CCR Plant Miller

For:

Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Laura Midkiff



Authorized for release by:

10/25/2018 5:54:27 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Case Narrative | 3 |
| Detection Summary | 4 |
| Method Summary | 8 |
| Sample Summary | 9 |
| Client Sample Results | 10 |
| Definitions | 16 |
| Chronicle | 17 |
| QC Association | 23 |
| QC Sample Results | 26 |
| Chain of Custody | 31 |
| Receipt Checklists | 34 |
| Certification Summary | 35 |

Case Narrative

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Job ID: 400-160630-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-160630-1

General Chemistry

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 416585 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) recovery and precision was within acceptance limits.

Method(s) SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: AY24134 MW-10 (400-160630-3), AY24136 MW-4 (400-160630-5), AY24147 MW-5 (400-160630-16), AY24148 MW-6 (400-160630-17), AY24149 MW-12 (400-160630-18), (400-160423-G-1), (400-160423-G-1 MS), (400-160423-G-1 MSD), (400-160630-A-3 MS) and (400-160630-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) SM 4500 SO4 E: Do to the concentration of sulfates in the parent sample the MS/MSD were diluted after the spike. The spike amounts were adjusted by the dilution factor. (400-160630-A-26 MS) and (400-160630-A-26 MSD)

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 416605 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: AY24132 MW-1 (400-160630-1), AY24133 MW-11 (400-160630-2), AY24137 MW-9S (400-160630-6), AY24138 MW-9D (400-160630-7), AY24139 MW-8D (400-160630-8), AY24140 MW-8S (400-160630-9), AY24141 MW-8S DUP (400-160630-10), AY24142 MW-7S (400-160630-11), AY24143 MW-7D (400-160630-12), AY24145 MW-3S (400-160630-14), AY24150 MW-13D (400-160630-19), AY24151 MW-13S (400-160630-20), AY24152 MW-14 (400-160630-21), AY24153 MW-15 (400-160630-22), AY24157 MW-5 DUP (400-160630-26), (400-160630-A-26 MS) and (400-160630-A-26 MSD). Elevated reporting limits (RLs) are provided.

Method(s) SM 4500 SO4 E: Do to the concentration of sulfates in the parent sample the MS/MSD were diluted after the spike. The spike amounts were adjusted by the dilution factor. (400-160630-A-23 MS) and (400-160630-A-23 MSD)

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 416774 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: AY24154 MW-16 (400-160630-23), AY24155 MW-3D (400-160630-24), AY24156 MW-2 (400-160630-25), AY24158 MW-15 DUP (400-160630-27), (480-143269-K-4), (480-143269-K-4 MS), (480-143269-K-4 MSD), (400-160630-A-23 MS) and (400-160630-A-23 MSD). Elevated reporting limits (RLs) are provided.

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24132 MW-1

Lab Sample ID: 400-160630-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 12 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.19 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 420 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24133 MW-11

Lab Sample ID: 400-160630-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 6.5 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.15 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 450 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24134 MW-10

Lab Sample ID: 400-160630-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 7.4 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.49 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 750 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24135 FB-2

Lab Sample ID: 400-160630-4

No Detections.

Client Sample ID: AY24136 MW-4

Lab Sample ID: 400-160630-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 41 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.32 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 650 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24137 MW-9S

Lab Sample ID: 400-160630-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 7.5 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.22 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 340 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24138 MW-9D

Lab Sample ID: 400-160630-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 11 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.17 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 340 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24139 MW-8D

Lab Sample ID: 400-160630-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 9.0 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.36 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 400 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24140 MW-8S

Lab Sample ID: 400-160630-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 4.7 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.64 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 330 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24141 MW-8S DUP

Lab Sample ID: 400-160630-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 4.7 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.64 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 350 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24142 MW-7S

Lab Sample ID: 400-160630-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 25 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.25 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 220 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24143 MW-7D

Lab Sample ID: 400-160630-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 29 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 360 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24144 FB-3

Lab Sample ID: 400-160630-13

No Detections.

Client Sample ID: AY24145 MW-3S

Lab Sample ID: 400-160630-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 32 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.33 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 130 | | 50 | 14 | mg/L | 10 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24146 PZ-5

Lab Sample ID: 400-160630-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 32 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 1.3 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 4.7 J | | 5.0 | 1.4 | mg/L | 1 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24147 MW-5

Lab Sample ID: 400-160630-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 44 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.43 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 820 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24148 MW-6

Lab Sample ID: 400-160630-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 33 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 490 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24149 MW-12

Lab Sample ID: 400-160630-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 6.9 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.85 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 1500 | | 500 | 140 | mg/L | 100 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24150 MW-13D

Lab Sample ID: 400-160630-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 14 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.18 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 54 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24151 MW-13S

Lab Sample ID: 400-160630-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 10 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 120 | | 50 | 14 | mg/L | 10 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24152 MW-14

Lab Sample ID: 400-160630-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 7.6 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.21 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 41 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24153 MW-15

Lab Sample ID: 400-160630-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 20 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 76 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24154 MW-16

Lab Sample ID: 400-160630-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 24 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.18 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 580 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24155 MW-3D

Lab Sample ID: 400-160630-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|-----|------|---------|---|---------------|-----------|
| Chloride | 41 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24155 MW-3D (Continued)

Lab Sample ID: 400-160630-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Fluoride | 0.39 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 700 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24156 MW-2

Lab Sample ID: 400-160630-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 8.0 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 1500 | | 300 | 84 | mg/L | 60 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24157 MW-5 DUP

Lab Sample ID: 400-160630-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 43 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.42 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 850 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24158 MW-15 DUP

Lab Sample ID: 400-160630-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|------|---------|---|---------------|-----------|
| Chloride | 19 | | 2.0 | 1.4 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Sulfate | 72 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY24159 FB-1

Lab Sample ID: 400-160630-28

No Detections.

Client Sample ID: AY24160 EB-1

Lab Sample ID: 400-160630-29

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

| Method | Method Description | Protocol | Laboratory |
|---------------|--------------------|----------|------------|
| SM 4500 Cl- E | Chloride, Total | SM | TAL PEN |
| SM 4500 F C | Fluoride | SM | TAL PEN |
| SM 4500 SO4 E | Sulfate, Total | SM | TAL PEN |

Protocol References:

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 400-160630-1 | AY24132 MW-1 | Water | 10/09/18 12:20 | 10/13/18 10:45 |
| 400-160630-2 | AY24133 MW-11 | Water | 10/09/18 15:28 | 10/13/18 10:45 |
| 400-160630-3 | AY24134 MW-10 | Water | 10/08/18 13:23 | 10/13/18 10:45 |
| 400-160630-4 | AY24135 FB-2 | Water | 10/08/18 13:55 | 10/13/18 10:45 |
| 400-160630-5 | AY24136 MW-4 | Water | 10/08/18 16:20 | 10/13/18 10:45 |
| 400-160630-6 | AY24137 MW-9S | Water | 10/09/18 09:28 | 10/13/18 10:45 |
| 400-160630-7 | AY24138 MW-9D | Water | 10/09/18 10:32 | 10/13/18 10:45 |
| 400-160630-8 | AY24139 MW-8D | Water | 10/09/18 11:39 | 10/13/18 10:45 |
| 400-160630-9 | AY24140 MW-8S | Water | 10/09/18 12:46 | 10/13/18 10:45 |
| 400-160630-10 | AY24141 MW-8S DUP | Water | 10/09/18 12:46 | 10/13/18 10:45 |
| 400-160630-11 | AY24142 MW-7S | Water | 10/09/18 14:02 | 10/13/18 10:45 |
| 400-160630-12 | AY24143 MW-7D | Water | 10/09/18 15:02 | 10/13/18 10:45 |
| 400-160630-13 | AY24144 FB-3 | Water | 10/09/18 15:30 | 10/13/18 10:45 |
| 400-160630-14 | AY24145 MW-3S | Water | 10/09/18 16:30 | 10/13/18 10:45 |
| 400-160630-15 | AY24146 PZ-5 | Water | 10/08/18 13:45 | 10/13/18 10:45 |
| 400-160630-16 | AY24147 MW-5 | Water | 10/08/18 14:57 | 10/13/18 10:45 |
| 400-160630-17 | AY24148 MW-6 | Water | 10/08/18 15:46 | 10/13/18 10:45 |
| 400-160630-18 | AY24149 MW-12 | Water | 10/08/18 17:23 | 10/13/18 10:45 |
| 400-160630-19 | AY24150 MW-13D | Water | 10/09/18 08:35 | 10/13/18 10:45 |
| 400-160630-20 | AY24151 MW-13S | Water | 10/09/18 10:42 | 10/13/18 10:45 |
| 400-160630-21 | AY24152 MW-14 | Water | 10/09/18 12:15 | 10/13/18 10:45 |
| 400-160630-22 | AY24153 MW-15 | Water | 10/09/18 13:12 | 10/13/18 10:45 |
| 400-160630-23 | AY24154 MW-16 | Water | 10/09/18 14:06 | 10/13/18 10:45 |
| 400-160630-24 | AY24155 MW-3D | Water | 10/09/18 15:02 | 10/13/18 10:45 |
| 400-160630-25 | AY24156 MW-2 | Water | 10/09/18 16:48 | 10/13/18 10:45 |
| 400-160630-26 | AY24157 MW-5 DUP | Water | 10/08/18 14:57 | 10/13/18 10:45 |
| 400-160630-27 | AY24158 MW-15 DUP | Water | 10/09/18 13:12 | 10/13/18 10:45 |
| 400-160630-28 | AY24159 FB-1 | Water | 10/09/18 13:55 | 10/13/18 10:45 |
| 400-160630-29 | AY24160 EB-1 | Water | 10/09/18 18:00 | 10/13/18 10:45 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24132 MW-1

Lab Sample ID: 400-160630-1

Date Collected: 10/09/18 12:20

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 12 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:54 | 1 |
| Fluoride | 0.19 | | 0.10 | 0.032 | mg/L | | | 10/25/18 10:52 | 1 |
| Sulfate | 420 | | 100 | 28 | mg/L | | | 10/23/18 13:14 | 20 |

Client Sample ID: AY24133 MW-11

Lab Sample ID: 400-160630-2

Date Collected: 10/09/18 15:28

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 6.5 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:54 | 1 |
| Fluoride | 0.15 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:02 | 1 |
| Sulfate | 450 | | 100 | 28 | mg/L | | | 10/23/18 13:14 | 20 |

Client Sample ID: AY24134 MW-10

Lab Sample ID: 400-160630-3

Date Collected: 10/08/18 13:23

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 7.4 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:44 | 1 |
| Fluoride | 0.49 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:04 | 1 |
| Sulfate | 750 | | 150 | 42 | mg/L | | | 10/23/18 11:24 | 30 |

Client Sample ID: AY24135 FB-2

Lab Sample ID: 400-160630-4

Date Collected: 10/08/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <1.4 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:47 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:08 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/23/18 11:04 | 1 |

Client Sample ID: AY24136 MW-4

Lab Sample ID: 400-160630-5

Date Collected: 10/08/18 16:20

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 41 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:47 | 1 |
| Fluoride | 0.32 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:11 | 1 |
| Sulfate | 650 | | 150 | 42 | mg/L | | | 10/23/18 11:28 | 30 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24137 MW-9S

Date Collected: 10/09/18 09:28

Date Received: 10/13/18 10:45

Lab Sample ID: 400-160630-6

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 7.5 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:54 | 1 |
| Fluoride | 0.22 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:13 | 1 |
| Sulfate | 340 | | 100 | 28 | mg/L | | | 10/23/18 13:14 | 20 |

Client Sample ID: AY24138 MW-9D

Date Collected: 10/09/18 10:32

Date Received: 10/13/18 10:45

Lab Sample ID: 400-160630-7

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 11 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:54 | 1 |
| Fluoride | 0.17 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:16 | 1 |
| Sulfate | 340 | | 100 | 28 | mg/L | | | 10/23/18 13:14 | 20 |

Client Sample ID: AY24139 MW-8D

Date Collected: 10/09/18 11:39

Date Received: 10/13/18 10:45

Lab Sample ID: 400-160630-8

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 9.0 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:54 | 1 |
| Fluoride | 0.36 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:20 | 1 |
| Sulfate | 400 | | 100 | 28 | mg/L | | | 10/23/18 13:19 | 20 |

Client Sample ID: AY24140 MW-8S

Date Collected: 10/09/18 12:46

Date Received: 10/13/18 10:45

Lab Sample ID: 400-160630-9

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 4.7 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:34 | 1 |
| Fluoride | 0.64 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:28 | 1 |
| Sulfate | 330 | | 100 | 28 | mg/L | | | 10/23/18 13:19 | 20 |

Client Sample ID: AY24141 MW-8S DUP

Date Collected: 10/09/18 12:46

Date Received: 10/13/18 10:45

Lab Sample ID: 400-160630-10

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 4.7 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:34 | 1 |
| Fluoride | 0.64 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:33 | 1 |
| Sulfate | 350 | | 100 | 28 | mg/L | | | 10/23/18 13:23 | 20 |

Client Sample ID: AY24142 MW-7S

Date Collected: 10/09/18 14:02

Date Received: 10/13/18 10:45

Lab Sample ID: 400-160630-11

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Chloride | 25 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:34 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24142 MW-7S

Lab Sample ID: 400-160630-11

Date Collected: 10/09/18 14:02

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Fluoride | 0.25 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:36 | 1 |
| Sulfate | 220 | | 100 | 28 | mg/L | | | 10/23/18 13:23 | 20 |

Client Sample ID: AY24143 MW-7D

Lab Sample ID: 400-160630-12

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 29 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:39 | 1 |
| Sulfate | 360 | | 100 | 28 | mg/L | | | 10/23/18 13:23 | 20 |

Client Sample ID: AY24144 FB-3

Lab Sample ID: 400-160630-13

Date Collected: 10/09/18 15:30

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <1.4 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:43 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/23/18 12:38 | 1 |

Client Sample ID: AY24145 MW-3S

Lab Sample ID: 400-160630-14

Date Collected: 10/09/18 16:30

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 32 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | 0.33 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:45 | 1 |
| Sulfate | 130 | | 50 | 14 | mg/L | | | 10/23/18 13:27 | 10 |

Client Sample ID: AY24146 PZ-5

Lab Sample ID: 400-160630-15

Date Collected: 10/08/18 13:45

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 32 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:47 | 1 |
| Fluoride | 1.3 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:48 | 1 |
| Sulfate | 4.7 | J | 5.0 | 1.4 | mg/L | | | 10/23/18 11:04 | 1 |

Client Sample ID: AY24147 MW-5

Lab Sample ID: 400-160630-16

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 44 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:47 | 1 |
| Fluoride | 0.43 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:53 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24147 MW-5

Lab Sample ID: 400-160630-16

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | 820 | | 150 | 42 | mg/L | | | 10/23/18 11:28 | 30 |

Client Sample ID: AY24148 MW-6

Lab Sample ID: 400-160630-17

Date Collected: 10/08/18 15:46

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 33 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:47 | 1 |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | | | 10/25/18 11:55 | 1 |
| Sulfate | 490 | | 150 | 42 | mg/L | | | 10/23/18 11:28 | 30 |

Client Sample ID: AY24149 MW-12

Lab Sample ID: 400-160630-18

Date Collected: 10/08/18 17:23

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 6.9 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:47 | 1 |
| Fluoride | 0.85 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:21 | 1 |
| Sulfate | 1500 | | 500 | 140 | mg/L | | | 10/23/18 12:04 | 100 |

Client Sample ID: AY24150 MW-13D

Lab Sample ID: 400-160630-19

Date Collected: 10/09/18 08:35

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 14 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | 0.18 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:33 | 1 |
| Sulfate | 54 | | 25 | 7.0 | mg/L | | | 10/23/18 13:30 | 5 |

Client Sample ID: AY24151 MW-13S

Lab Sample ID: 400-160630-20

Date Collected: 10/09/18 10:42

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 10 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | 0.12 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:35 | 1 |
| Sulfate | 120 | | 50 | 14 | mg/L | | | 10/23/18 13:27 | 10 |

Client Sample ID: AY24152 MW-14

Lab Sample ID: 400-160630-21

Date Collected: 10/09/18 12:15

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 7.6 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | 0.21 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:37 | 1 |
| Sulfate | 41 | | 25 | 7.0 | mg/L | | | 10/23/18 13:27 | 5 |

TestAmerica Pensacola

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24153 MW-15

Lab Sample ID: 400-160630-22

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 20 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:37 | 1 |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:40 | 1 |
| Sulfate | 76 | | 25 | 7.0 | mg/L | | | 10/23/18 13:27 | 5 |

Client Sample ID: AY24154 MW-16

Lab Sample ID: 400-160630-23

Date Collected: 10/09/18 14:06

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 24 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:44 | 1 |
| Fluoride | 0.18 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:44 | 1 |
| Sulfate | 580 | | 150 | 42 | mg/L | | | 10/24/18 12:39 | 30 |

Client Sample ID: AY24155 MW-3D

Lab Sample ID: 400-160630-24

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 41 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:44 | 1 |
| Fluoride | 0.39 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:48 | 1 |
| Sulfate | 700 | | 150 | 42 | mg/L | | | 10/24/18 12:39 | 30 |

Client Sample ID: AY24156 MW-2

Lab Sample ID: 400-160630-25

Date Collected: 10/09/18 16:48

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 8.0 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:44 | 1 |
| Fluoride | 0.10 | | 0.10 | 0.032 | mg/L | | | 10/25/18 14:52 | 1 |
| Sulfate | 1500 | | 300 | 84 | mg/L | | | 10/24/18 13:00 | 60 |

Client Sample ID: AY24157 MW-5 DUP

Lab Sample ID: 400-160630-26

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 43 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:54 | 1 |
| Fluoride | 0.42 | | 0.10 | 0.032 | mg/L | | | 10/25/18 15:02 | 1 |
| Sulfate | 850 | | 150 | 42 | mg/L | | | 10/23/18 13:19 | 30 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24158 MW-15 DUP

Lab Sample ID: 400-160630-27

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 19 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:44 | 1 |
| Fluoride | 0.13 | | 0.10 | 0.032 | mg/L | | | 10/25/18 15:08 | 1 |
| Sulfate | 72 | | 25 | 7.0 | mg/L | | | 10/24/18 12:43 | 5 |

Client Sample ID: AY24159 FB-1

Lab Sample ID: 400-160630-28

Date Collected: 10/09/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <1.4 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:44 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 10/25/18 15:12 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/24/18 12:17 | 1 |

Client Sample ID: AY24160 EB-1

Lab Sample ID: 400-160630-29

Date Collected: 10/09/18 18:00

Matrix: Water

Date Received: 10/13/18 10:45

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | <1.4 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:44 | 1 |
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 10/25/18 15:16 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/24/18 12:17 | 1 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Qualifiers

General Chemistry

| Qualifier | Qualifier Description |
|-----------|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24132 MW-1

Lab Sample ID: 400-160630-1

Date Collected: 10/09/18 12:20

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:54 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 10:52 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:14 | RRC | TAL PEN |

Client Sample ID: AY24133 MW-11

Lab Sample ID: 400-160630-2

Date Collected: 10/09/18 15:28

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:54 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:02 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:14 | RRC | TAL PEN |

Client Sample ID: AY24134 MW-10

Lab Sample ID: 400-160630-3

Date Collected: 10/08/18 13:23

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:04 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416585 | 10/23/18 11:24 | RRC | TAL PEN |

Client Sample ID: AY24135 FB-2

Lab Sample ID: 400-160630-4

Date Collected: 10/08/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:47 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:08 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 416585 | 10/23/18 11:04 | RRC | TAL PEN |

Client Sample ID: AY24136 MW-4

Lab Sample ID: 400-160630-5

Date Collected: 10/08/18 16:20

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:47 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:11 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416585 | 10/23/18 11:28 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24137 MW-9S

Lab Sample ID: 400-160630-6

Date Collected: 10/09/18 09:28

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:54 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:13 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:14 | RRC | TAL PEN |

Client Sample ID: AY24138 MW-9D

Lab Sample ID: 400-160630-7

Date Collected: 10/09/18 10:32

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:54 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:16 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:14 | RRC | TAL PEN |

Client Sample ID: AY24139 MW-8D

Lab Sample ID: 400-160630-8

Date Collected: 10/09/18 11:39

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:54 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:20 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:19 | RRC | TAL PEN |

Client Sample ID: AY24140 MW-8S

Lab Sample ID: 400-160630-9

Date Collected: 10/09/18 12:46

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:34 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:28 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:19 | RRC | TAL PEN |

Client Sample ID: AY24141 MW-8S DUP

Lab Sample ID: 400-160630-10

Date Collected: 10/09/18 12:46

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:34 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:33 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:23 | RRC | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24142 MW-7S

Lab Sample ID: 400-160630-11

Date Collected: 10/09/18 14:02

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:34 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:36 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:23 | RRC | TAL PEN |

Client Sample ID: AY24143 MW-7D

Lab Sample ID: 400-160630-12

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:39 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 416605 | 10/23/18 13:23 | RRC | TAL PEN |

Client Sample ID: AY24144 FB-3

Lab Sample ID: 400-160630-13

Date Collected: 10/09/18 15:30

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:43 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 416605 | 10/23/18 12:38 | RRC | TAL PEN |

Client Sample ID: AY24145 MW-3S

Lab Sample ID: 400-160630-14

Date Collected: 10/09/18 16:30

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:45 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 416605 | 10/23/18 13:27 | RRC | TAL PEN |

Client Sample ID: AY24146 PZ-5

Lab Sample ID: 400-160630-15

Date Collected: 10/08/18 13:45

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:47 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:48 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 416585 | 10/23/18 11:04 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24147 MW-5

Lab Sample ID: 400-160630-16

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:47 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:53 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416585 | 10/23/18 11:28 | RRC | TAL PEN |

Client Sample ID: AY24148 MW-6

Lab Sample ID: 400-160630-17

Date Collected: 10/08/18 15:46

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:47 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416936 | 10/25/18 11:55 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416585 | 10/23/18 11:28 | RRC | TAL PEN |

Client Sample ID: AY24149 MW-12

Lab Sample ID: 400-160630-18

Date Collected: 10/08/18 17:23

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:47 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:21 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 100 | 416585 | 10/23/18 12:04 | RRC | TAL PEN |

Client Sample ID: AY24150 MW-13D

Lab Sample ID: 400-160630-19

Date Collected: 10/09/18 08:35

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:33 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 416605 | 10/23/18 13:30 | RRC | TAL PEN |

Client Sample ID: AY24151 MW-13S

Lab Sample ID: 400-160630-20

Date Collected: 10/09/18 10:42

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:35 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 416605 | 10/23/18 13:27 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24152 MW-14

Lab Sample ID: 400-160630-21

Date Collected: 10/09/18 12:15

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:37 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 416605 | 10/23/18 13:27 | RRC | TAL PEN |

Client Sample ID: AY24153 MW-15

Lab Sample ID: 400-160630-22

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:37 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:40 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 416605 | 10/23/18 13:27 | RRC | TAL PEN |

Client Sample ID: AY24154 MW-16

Lab Sample ID: 400-160630-23

Date Collected: 10/09/18 14:06

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:44 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416774 | 10/24/18 12:39 | RRC | TAL PEN |

Client Sample ID: AY24155 MW-3D

Lab Sample ID: 400-160630-24

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:48 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416774 | 10/24/18 12:39 | RRC | TAL PEN |

Client Sample ID: AY24156 MW-2

Lab Sample ID: 400-160630-25

Date Collected: 10/09/18 16:48

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 14:52 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 60 | 416774 | 10/24/18 13:00 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

Client Sample ID: AY24157 MW-5 DUP

Lab Sample ID: 400-160630-26

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416693 | 10/23/18 18:54 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 15:02 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 416605 | 10/23/18 13:19 | RRC | TAL PEN |

Client Sample ID: AY24158 MW-15 DUP

Lab Sample ID: 400-160630-27

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 15:08 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 416774 | 10/24/18 12:43 | RRC | TAL PEN |

Client Sample ID: AY24159 FB-1

Lab Sample ID: 400-160630-28

Date Collected: 10/09/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 15:12 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 416774 | 10/24/18 12:17 | RRC | TAL PEN |

Client Sample ID: AY24160 EB-1

Lab Sample ID: 400-160630-29

Date Collected: 10/09/18 18:00

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 416718 | 10/24/18 08:44 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 F C | | 1 | 416990 | 10/25/18 15:16 | BAB | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 416774 | 10/24/18 12:17 | RRC | TAL PEN |

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

General Chemistry

Analysis Batch: 416585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 400-160630-3 | AY24134 MW-10 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-4 | AY24135 FB-2 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-5 | AY24136 MW-4 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-15 | AY24146 PZ-5 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-16 | AY24147 MW-5 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-17 | AY24148 MW-6 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-18 | AY24149 MW-12 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-416585/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-416585/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-416585/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-3 MS | AY24134 MW-10 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-3 MSD | AY24134 MW-10 | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 416605

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-160630-1 | AY24132 MW-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-2 | AY24133 MW-11 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-6 | AY24137 MW-9S | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-7 | AY24138 MW-9D | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-8 | AY24139 MW-8D | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-9 | AY24140 MW-8S | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-10 | AY24141 MW-8S DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-11 | AY24142 MW-7S | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-12 | AY24143 MW-7D | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-13 | AY24144 FB-3 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-14 | AY24145 MW-3S | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-19 | AY24150 MW-13D | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-20 | AY24151 MW-13S | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-21 | AY24152 MW-14 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-22 | AY24153 MW-15 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-26 | AY24157 MW-5 DUP | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-416605/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-416605/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-416605/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-26 MS | AY24157 MW-5 DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-26 MSD | AY24157 MW-5 DUP | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 416693

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 400-160630-1 | AY24132 MW-1 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-2 | AY24133 MW-11 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-3 | AY24134 MW-10 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-4 | AY24135 FB-2 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-5 | AY24136 MW-4 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-6 | AY24137 MW-9S | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-7 | AY24138 MW-9D | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-8 | AY24139 MW-8D | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-15 | AY24146 PZ-5 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-16 | AY24147 MW-5 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-17 | AY24148 MW-6 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-18 | AY24149 MW-12 | Total/NA | Water | SM 4500 Cl- E | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

General Chemistry (Continued)

Analysis Batch: 416693 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 400-160630-26 | AY24157 MW-5 DUP | Total/NA | Water | SM 4500 Cl- E | |
| MB 400-416693/6 | Method Blank | Total/NA | Water | SM 4500 Cl- E | |
| LCS 400-416693/7 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| MRL 400-416693/3 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-3 MS | AY24134 MW-10 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-3 MSD | AY24134 MW-10 | Total/NA | Water | SM 4500 Cl- E | |

Analysis Batch: 416718

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 400-160630-9 | AY24140 MW-8S | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-10 | AY24141 MW-8S DUP | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-11 | AY24142 MW-7S | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-12 | AY24143 MW-7D | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-13 | AY24144 FB-3 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-14 | AY24145 MW-3S | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-19 | AY24150 MW-13D | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-20 | AY24151 MW-13S | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-21 | AY24152 MW-14 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-22 | AY24153 MW-15 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-23 | AY24154 MW-16 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-24 | AY24155 MW-3D | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-25 | AY24156 MW-2 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-27 | AY24158 MW-15 DUP | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-28 | AY24159 FB-1 | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-29 | AY24160 EB-1 | Total/NA | Water | SM 4500 Cl- E | |
| MB 400-416718/6 | Method Blank | Total/NA | Water | SM 4500 Cl- E | |
| LCS 400-416718/7 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| MRL 400-416718/3 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-9 MS | AY24140 MW-8S | Total/NA | Water | SM 4500 Cl- E | |
| 400-160630-9 MSD | AY24140 MW-8S | Total/NA | Water | SM 4500 Cl- E | |

Analysis Batch: 416774

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-160630-23 | AY24154 MW-16 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-24 | AY24155 MW-3D | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-25 | AY24156 MW-2 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-27 | AY24158 MW-15 DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-28 | AY24159 FB-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-29 | AY24160 EB-1 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-416774/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-416774/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-416774/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-23 MS | AY24154 MW-16 | Total/NA | Water | SM 4500 SO4 E | |
| 400-160630-23 MSD | AY24154 MW-16 | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 416936

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 400-160630-1 | AY24132 MW-1 | Total/NA | Water | SM 4500 F C | |
| 400-160630-2 | AY24133 MW-11 | Total/NA | Water | SM 4500 F C | |
| 400-160630-3 | AY24134 MW-10 | Total/NA | Water | SM 4500 F C | |
| 400-160630-4 | AY24135 FB-2 | Total/NA | Water | SM 4500 F C | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
SDG: Miller Ash Pond 1169

General Chemistry (Continued)

Analysis Batch: 416936 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-------------|------------|
| 400-160630-5 | AY24136 MW-4 | Total/NA | Water | SM 4500 F C | |
| 400-160630-6 | AY24137 MW-9S | Total/NA | Water | SM 4500 F C | |
| 400-160630-7 | AY24138 MW-9D | Total/NA | Water | SM 4500 F C | |
| 400-160630-8 | AY24139 MW-8D | Total/NA | Water | SM 4500 F C | |
| 400-160630-9 | AY24140 MW-8S | Total/NA | Water | SM 4500 F C | |
| 400-160630-10 | AY24141 MW-8S DUP | Total/NA | Water | SM 4500 F C | |
| 400-160630-11 | AY24142 MW-7S | Total/NA | Water | SM 4500 F C | |
| 400-160630-12 | AY24143 MW-7D | Total/NA | Water | SM 4500 F C | |
| 400-160630-13 | AY24144 FB-3 | Total/NA | Water | SM 4500 F C | |
| 400-160630-14 | AY24145 MW-3S | Total/NA | Water | SM 4500 F C | |
| 400-160630-15 | AY24146 PZ-5 | Total/NA | Water | SM 4500 F C | |
| 400-160630-16 | AY24147 MW-5 | Total/NA | Water | SM 4500 F C | |
| 400-160630-17 | AY24148 MW-6 | Total/NA | Water | SM 4500 F C | |
| MB 400-416936/4 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 400-416936/5 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 400-160630-1 MS | AY24132 MW-1 | Total/NA | Water | SM 4500 F C | |
| 400-160630-1 MSD | AY24132 MW-1 | Total/NA | Water | SM 4500 F C | |
| 400-160630-9 DU | AY24140 MW-8S | Total/NA | Water | SM 4500 F C | |

Analysis Batch: 416990

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|-------------|------------|
| 400-160630-18 | AY24149 MW-12 | Total/NA | Water | SM 4500 F C | |
| 400-160630-19 | AY24150 MW-13D | Total/NA | Water | SM 4500 F C | |
| 400-160630-20 | AY24151 MW-13S | Total/NA | Water | SM 4500 F C | |
| 400-160630-21 | AY24152 MW-14 | Total/NA | Water | SM 4500 F C | |
| 400-160630-22 | AY24153 MW-15 | Total/NA | Water | SM 4500 F C | |
| 400-160630-23 | AY24154 MW-16 | Total/NA | Water | SM 4500 F C | |
| 400-160630-24 | AY24155 MW-3D | Total/NA | Water | SM 4500 F C | |
| 400-160630-25 | AY24156 MW-2 | Total/NA | Water | SM 4500 F C | |
| 400-160630-26 | AY24157 MW-5 DUP | Total/NA | Water | SM 4500 F C | |
| 400-160630-27 | AY24158 MW-15 DUP | Total/NA | Water | SM 4500 F C | |
| 400-160630-28 | AY24159 FB-1 | Total/NA | Water | SM 4500 F C | |
| 400-160630-29 | AY24160 EB-1 | Total/NA | Water | SM 4500 F C | |
| MB 400-416990/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 400-416990/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 400-160630-18 MS | AY24149 MW-12 | Total/NA | Water | SM 4500 F C | |
| 400-160630-18 MSD | AY24149 MW-12 | Total/NA | Water | SM 4500 F C | |
| 400-160630-26 DU | AY24157 MW-5 DUP | Total/NA | Water | SM 4500 F C | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-416693/6
Matrix: Water
Analysis Batch: 416693

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Chloride | <1.4 | | 2.0 | 1.4 | mg/L | | | 10/23/18 18:44 | 1 |

Lab Sample ID: LCS 400-416693/7
Matrix: Water
Analysis Batch: 416693

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 30.0 | 32.2 | | mg/L | | 107 | 90 - 110 |

Lab Sample ID: MRL 400-416693/3
Matrix: Water
Analysis Batch: 416693

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 2.00 | 1.72 | J | mg/L | | 86 | 50 - 150 |

Lab Sample ID: 400-160630-3 MS
Matrix: Water
Analysis Batch: 416693

Client Sample ID: AY24134 MW-10
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 7.4 | | 10.0 | 19.1 | | mg/L | | 117 | 73 - 120 |

Lab Sample ID: 400-160630-3 MSD
Matrix: Water
Analysis Batch: 416693

Client Sample ID: AY24134 MW-10
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Chloride | 7.4 | | 10.0 | 19.1 | | mg/L | | 117 | 73 - 120 | 0 | 8 |

Lab Sample ID: MB 400-416718/6
Matrix: Water
Analysis Batch: 416718

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Chloride | <1.4 | | 2.0 | 1.4 | mg/L | | | 10/24/18 08:34 | 1 |

Lab Sample ID: LCS 400-416718/7
Matrix: Water
Analysis Batch: 416718

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 30.0 | 31.8 | | mg/L | | 106 | 90 - 110 |

Lab Sample ID: MRL 400-416718/3
Matrix: Water
Analysis Batch: 416718

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 2.00 | 2.07 | | mg/L | | 104 | 50 - 150 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Lab Sample ID: 400-160630-9 MS
Matrix: Water
Analysis Batch: 416718

Client Sample ID: AY24140 MW-8S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 4.7 | | 10.0 | 15.9 | | mg/L | | 112 | 73 - 120 |

Lab Sample ID: 400-160630-9 MSD
Matrix: Water
Analysis Batch: 416718

Client Sample ID: AY24140 MW-8S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 4.7 | | 10.0 | 16.0 | | mg/L | | 113 | 73 - 120 | 1 | 8 |

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-416936/4
Matrix: Water
Analysis Batch: 416936

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 10/25/18 10:34 | 1 |

Lab Sample ID: LCS 400-416936/5
Matrix: Water
Analysis Batch: 416936

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Fluoride | 4.00 | 4.26 | | mg/L | | 107 | 90 - 110 |

Lab Sample ID: 400-160630-1 MS
Matrix: Water
Analysis Batch: 416936

Client Sample ID: AY24132 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.19 | | 1.00 | 1.28 | | mg/L | | 109 | 75 - 125 |

Lab Sample ID: 400-160630-1 MSD
Matrix: Water
Analysis Batch: 416936

Client Sample ID: AY24132 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.19 | | 1.00 | 1.30 | | mg/L | | 111 | 75 - 125 | 2 | 4 |

Lab Sample ID: 400-160630-9 DU
Matrix: Water
Analysis Batch: 416936

Client Sample ID: AY24140 MW-8S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Fluoride | 0.64 | | 0.650 | | mg/L | | 2 | 4 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 400-416990/3
Matrix: Water
Analysis Batch: 416990

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Fluoride | <0.032 | | 0.10 | 0.032 | mg/L | | | 10/25/18 13:53 | 1 |

Lab Sample ID: LCS 400-416990/4
Matrix: Water
Analysis Batch: 416990

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Fluoride | 4.00 | 4.26 | | mg/L | | 107 | 90 - 110 |

Lab Sample ID: 400-160630-18 MS
Matrix: Water
Analysis Batch: 416990

Client Sample ID: AY24149 MW-12
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.85 | | 1.00 | 1.93 | | mg/L | | 108 | 75 - 125 |

Lab Sample ID: 400-160630-18 MSD
Matrix: Water
Analysis Batch: 416990

Client Sample ID: AY24149 MW-12
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.85 | | 1.00 | 1.93 | | mg/L | | 108 | 75 - 125 | 0 | 4 |

Lab Sample ID: 400-160630-26 DU
Matrix: Water
Analysis Batch: 416990

Client Sample ID: AY24157 MW-5 DUP
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Fluoride | 0.42 | | 0.420 | | mg/L | | 0 | 4 |

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-416585/6
Matrix: Water
Analysis Batch: 416585

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/23/18 10:52 | 1 |

Lab Sample ID: LCS 400-416585/7
Matrix: Water
Analysis Batch: 416585

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 13.9 | | mg/L | | 93 | 90 - 110 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: MRL 400-416585/3
Matrix: Water
Analysis Batch: 416585

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 4.29 | J | mg/L | | 86 | 50 - 150 |

Lab Sample ID: 400-160630-3 MS
Matrix: Water
Analysis Batch: 416585

Client Sample ID: AY24134 MW-10
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 750 | | 9.90 | 711 | 4 | mg/L | | -397 | 77 - 128 |

Lab Sample ID: 400-160630-3 MSD
Matrix: Water
Analysis Batch: 416585

Client Sample ID: AY24134 MW-10
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 750 | | 9.90 | 743 | 4 | mg/L | | -80 | 77 - 128 | 4 | 5 |

Lab Sample ID: MB 400-416605/6
Matrix: Water
Analysis Batch: 416605

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/23/18 12:26 | 1 |

Lab Sample ID: LCS 400-416605/7
Matrix: Water
Analysis Batch: 416605

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 14.1 | | mg/L | | 94 | 90 - 110 |

Lab Sample ID: MRL 400-416605/3
Matrix: Water
Analysis Batch: 416605

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 4.24 | J | mg/L | | 85 | 50 - 150 |

Lab Sample ID: 400-160630-26 MS
Matrix: Water
Analysis Batch: 416605

Client Sample ID: AY24157 MW-5 DUP
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 850 | | 9.90 | 822 | 4 | mg/L | | -299 | 77 - 128 |

Lab Sample ID: 400-160630-26 MSD
Matrix: Water
Analysis Batch: 416605

Client Sample ID: AY24157 MW-5 DUP
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 850 | | 9.90 | 821 | 4 | mg/L | | -301 | 77 - 128 | 0 | 5 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Lab Sample ID: MB 400-416774/6
Matrix: Water
Analysis Batch: 416774

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 10/24/18 12:10 | 1 |

Lab Sample ID: LCS 400-416774/7
Matrix: Water
Analysis Batch: 416774

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 14.3 | | mg/L | | 95 | 90 - 110 |

Lab Sample ID: MRL 400-416774/3
Matrix: Water
Analysis Batch: 416774

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 4.34 | J | mg/L | | 87 | 50 - 150 |

Lab Sample ID: 400-160630-23 MS
Matrix: Water
Analysis Batch: 416774

Client Sample ID: AY24154 MW-16
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 580 | | 9.90 | 559 | 4 | mg/L | | -161 | 77 - 128 |

Lab Sample ID: 400-160630-23 MSD
Matrix: Water
Analysis Batch: 416774

Client Sample ID: AY24154 MW-16
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 580 | | 9.90 | 566 | 4 | mg/L | | -89 | 77 - 128 | 1 | 5 |

TestAmerica Pensacola
 3355 McLemore Drive
 Pensacola, FL 32514
 Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record



400-160630 COC

| | | | | | | | | | | |
|--|--|--|-------------------------------|---|---|---|--------------------------------------|--|--------------------------------------|---|
| Client Information Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6197 (Tel) Email: lbmidkiff@southemco.com Project #/CCR: 40007143 SSO/W#: Miller Ash Pond 1169 | | Lab PM: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com | | Carrier Tracking No(s): 400-56525-24537.1 Page: Page 1 of 3 Job #: 1100630 | | | | | | |
| Due Date Requested: TAT Requested (days): Routine | | Analysis Requested Preservation Codes: A-HCL, B-NaOH, C-Zn Acetate, D-Nitric Acid, E-NaHSO4, F-MeOH, G-Amchlor, H-Ascorbic Acid, I-Ice, J-DI Water, K-EDTA, L-EDA, Other: | | | | | | | | |
| Sample Identification AY24132 AY24133 | | Sample Date 10/9/18 10/9/18 | Sample Time 12:20 15:28 | Sample Type (C=Comp, G=grab) G G | Matrix (W=water, S=solid, O=on-site, BT=biota, A=air) Water Water | Field Filtered Sample (Yes or No) X X | Perform MS/MSD (Yes or No) N N | SM 4500 F-C SM 4500 Cl-E SM 4500 SO4-E 9315_R4226, 9320_R4226, R4226R4228_GFP-C | Total Number of containers 2 2 | Special Instructions/Note: MW-1 MW-11 |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | Date: 10/12/2018; 09:00 Date/Time: 10/12/2018; 09:00 | | Date/Time: 10/13/18 10:45 Date/Time: 10/16/18 09:00 Date/Time: 10/16/18 09:00 | | | | | | |
| Empty Kit Relinquished by: Laura Midkiff Relinquished by: Laura Midkiff Relinquished by: | | Company: AEC Company: | | Company: 7A-16 Company: 7A-16 Company: | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: 1.8°C JRS 1.8°C 19.0°C | | 18.8°C JRS | | | | | | |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody Record

| Client Information | | Sampler: Ben Rothschild Lab PII: Whitmore, Cheyenne R Client Contact: Laura Midkiff E-Mail: cheyenne.whitmore@testamericainc.com Phone: CCCC No: 400-56525-24537.1 Page: Page 2 of 3 Job #: | | | | | | | | | | | |
|---|-------------|--|------------------------------|---|-------------------|-----------------------------------|---------------------------|-------------|--------------|---------------|---|------------------------|------------------------------|
| Company | | Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Callera State, Zip: AL, 35040 Phone: 205-664-6197 (Tel) Email: lbmidkiff@southernco.com Project Name: CCR Site: Miller Ash Pond 1169 | | | | | | | | | | | |
| Due Date Requested: | | Analysis Requested | | | | | | | | | | | |
| TAT Requested (days): | | Total Number of containers: 2 Special Instructions/Note: | | | | | | | | | | | |
| PO #: | | SM 4500 504 m SM 4500 Cl m SM 4500 F C Perform M/MSD (Yes or No) | | | | | | | | | | | |
| WO #: | | 9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc Field Filtered Sample (Yes or No) | | | | | | | | | | | |
| Project #: | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | | | | | | | | | | | |
| SSOW#: | | M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 X - other (specify) | | | | | | | | | | | |
| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=soil, B=BT tissue, A=air) | Preservation Code | Field Filtered Sample (Yes or No) | Perform M/MSD (Yes or No) | SM 4500 F C | SM 4500 Cl m | SM 4500 504 m | 9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc | Carrier Tracking No(s) | Special Instructions/Note: |
| AY24134 | 10/8/18 | 13:23 | G | Water | | X | X | X | X | X | | | MW-10 |
| AY24135 | 10/8/18 | 13:55 | G | Water | | X | X | X | X | X | | | FB-2 (Field Blank) |
| AY24136 | 10/8/18 | 16:20 | G | Water | | X | X | X | X | X | | | MW-4 |
| AY24137 | 10/9/18 | 09:28 | G | Water | | X | X | X | X | X | | | MW-9S |
| AY24138 | 10/9/18 | 10:32 | G | Water | | X | X | X | X | X | | | MW-9D |
| AY24139 | 10/9/18 | 11:39 | G | Water | | X | X | X | X | X | | | MW-8D |
| AY24140 | 10/9/18 | 12:46 | G | Water | | X | X | X | X | X | | | MW-8S |
| AY24141 | 10/9/18 | 12:46 | G | Water | | X | X | X | X | X | | | MW-8S DUP (Sample Duplicate) |
| AY24142 | 10/9/18 | 14:02 | G | Water | | X | X | X | X | X | | | MW-7S |
| AY24143 | 10/9/18 | 15:02 | G | Water | | X | X | X | X | X | | | MW-7D |
| AY24144 | 10/9/18 | 15:30 | G | Water | | X | X | X | X | X | | | FB-3 (Field Blank) |
| AY24145 | 10/9/18 | 16:30 | G | Water | | X | X | X | X | X | | | MW-3S |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | | | | | |
| Special Instructions/QC Requirements: | | | | | | | | | | | | | |
| Empty Kit Relinquished by: _____ Date: _____ Relinquished by: Laura Midkiff Date/Time: 10/12/2018, 09:00 Company: APC Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: | | | | | | | | | | | | | |



Chain of Custody Record

| | | | | | |
|--|-------------|--|------------------------------|--|------------------------------|
| Client Information Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Callera State, Zip: AL, 35040 Phone: 205-664-6197 (Tel) Email: lbmidiff@southernco.com Project Name: CCR Site: Miller Ash Pond 1169 | | Sampler: Anthony Goggins Lab-PI#: Whitmire, Chyenne R E-Mail: chyenne.whitmire@testamericainc.com | | Carrier Tracking No(s): COC No: 400-56525-24537.1 Page: Page 3 of 3 Job #: | |
| Due Date Requested: TAT Requested (days): Routine | | Analysis Requested | | | |
| Sample Identification | | Field Filtered Sample (Yes or No) | | Total Number of Containers | |
| Sample ID | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (Water, Solid, Overstool, BT/Truax, AAB) | Preservation Code |
| AY24146 | 10/8/18 | 13:45 | G | Water | PZ-5 |
| AY24147 | 10/8/18 | 14:57 | G | Water | MW-5 |
| AY24148 | 10/8/18 | 15:46 | G | Water | MW-6 |
| AY24149 | 10/8/18 | 17:23 | G | Water | MW-12 |
| AY24150 | 10/9/18 | 08:35 | G | Water | MW-13D |
| AY24151 | 10/9/18 | 10:42 | G | Water | MW-13S |
| AY24152 | 10/9/18 | 12:15 | G | Water | MW-14 |
| AY24153 | 10/9/18 | 13:12 | G | Water | MW-15 |
| AY24154 | 10/9/18 | 14:06 | G | Water | MW-16 |
| AY24155 | 10/9/18 | 15:02 | G | Water | MW-3D |
| AY24156 | 10/9/18 | 16:48 | G | Water | MW-2 |
| AY24157 | 10/9/18 | 14:57 | G | Water | MW-5 DUP (Sample Duplicate) |
| AY24158 | 10/9/18 | 13:12 | G | Water | MW-15 DUP (Sample Duplicate) |
| AY24159 | 10/9/18 | 13:55 | G | Water | FB-1 (Field Blank) |
| AY24160 | 10/9/18 | 18:00 | G | Water | EB-1 (Equipment Blank) |
| Special Instructions/Note: | | SM 4500 F_C SM 4500 C_I SM 4500 S_O4_E 9315_Ra226, 9320_Ra228, R4226Ra228_GFPc | | | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | Special Instructions/QC Requirements: | | | |
| Empty Kit Relinquished by: Laura Mickiff | | Time: | | | |
| Relinquished by: _____ Date/Time: 10/12/2018, 09:00 | | Company: APC | | Received by: [Signature] Date/Time: 10/13/18 10:45 Company: [Signature] | |
| Relinquished by: _____ Date/Time: | | Company: | | Received by: [Signature] Date/Time: 10/16/18 09:11 Company: [Signature] | |
| Relinquished by: _____ Date/Time: | | Company: | | Received by: _____ Date/Time: | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: | |



Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-160630-1
SDG Number: Miller Ash Pond 1169

Login Number: 160630

List Number: 1

Creator: Whitmire, Cheyenne R

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|--|--------|-----------------------------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | 1.8°C, IR-8; 19.0°C, 18.8°C, IR-7 |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-1
 SDG: Miller Ash Pond 1169

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-19 |
| ANAB | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-19 |
| California | State Program | 9 | 2510 | 06-30-19 |
| Florida | NELAP | 4 | E81010 | 06-30-19 |
| Georgia | State Program | 4 | E81010 (FL) | 06-30-19 |
| Illinois | NELAP | 5 | 200041 | 10-09-19 |
| Iowa | State Program | 7 | 367 | 08-01-20 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-19 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| Louisiana | NELAP | 6 | 30976 | 06-30-19 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-19 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-19 |
| Michigan | State Program | 5 | 9912 | 06-30-19 |
| New Jersey | NELAP | 2 | FL006 | 06-30-19 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-19 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-19 |
| Tennessee | State Program | 4 | TN02907 | 06-30-19 |
| Texas | NELAP | 6 | T104704286-18-16 | 09-30-19 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-19 |
| USDA | Federal | | P330-18-00148 | 05-17-21 |
| Virginia | NELAP | 3 | 460166 | 06-14-19 |
| Washington | State Program | 10 | C915 | 05-15-19 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-19 |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-160630-2

TestAmerica Sample Delivery Group: Miller Ash Pond 1169

Client Project/Site: CCR Plant Miller

For:

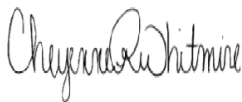
Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Laura Midkiff



Authorized for release by:

11/15/2018 5:20:35 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Case Narrative | 3 |
| Method Summary | 4 |
| Sample Summary | 5 |
| Client Sample Results | 6 |
| Definitions | 35 |
| Chronicle | 36 |
| QC Association | 44 |
| QC Sample Results | 46 |
| Chain of Custody | 50 |
| Receipt Checklists | 53 |
| Certification Summary | 55 |

Case Narrative

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Job ID: 400-160630-2

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-160630-2

RAD

Method(s) PrecSep_0: Radium 228 Prep Batch 160-396001: The following samples were prepared at a reduced aliquot due to limited sample volume. AY24132 MW-1 (400-160630-1), AY24133 MW-11 (400-160630-2), AY24134 MW-10 (400-160630-3), AY24135 FB-2 (400-160630-4), AY24136 MW-4 (400-160630-5), AY24137 MW-9S (400-160630-6), AY24137 MW-9S (400-160630-6[DUJ]), AY24138 MW-9D (400-160630-7), AY24139 MW-8D (400-160630-8), AY24140 MW-8S (400-160630-9), AY24141 MW-8S DUP (400-160630-10), AY24142 MW-7S (400-160630-11), AY24143 MW-7D (400-160630-12), AY24144 FB-3 (400-160630-13), AY24145 MW-3S (400-160630-14), AY24146 PZ-5 (400-160630-15), AY24147 MW-5 (400-160630-16), AY24148 MW-6 (400-160630-17), AY24148 MW-6 (400-160630-17[DUJ]), AY24149 MW-12 (400-160630-18), AY24150 MW-13D (400-160630-19) and AY24151 MW-13S (400-160630-20)

Method(s) PrecSep_0: Radium 228 Prep Batch 160-396012: The following samples were prepared at a reduced aliquot due to limited sample volume. AY24152 MW-14 (400-160630-21), AY24153 MW-15 (400-160630-22), AY24154 MW-16 (400-160630-23), AY24155 MW-3D (400-160630-24), AY24156 MW-2 (400-160630-25), AY24157 MW-5 DUP (400-160630-26), AY24158 MW-15 DUP (400-160630-27), AY24159 FB-1 (400-160630-28) and AY24160 EB-1 (400-160630-29). Sample aliquot 480-143551-2 reduced due to potential matrix interference. Sample was brown and contained heavy sediment levels.

Method(s) PrecSep-21: Radium 226 Prep Batch 160-395989: The following samples were prepared at a reduced aliquot due to limited sample volume. AY24132 MW-1 (400-160630-1), AY24133 MW-11 (400-160630-2), AY24134 MW-10 (400-160630-3), AY24135 FB-2 (400-160630-4), AY24136 MW-4 (400-160630-5), AY24137 MW-9S (400-160630-6), AY24137 MW-9S (400-160630-6[DUJ]), AY24138 MW-9D (400-160630-7), AY24139 MW-8D (400-160630-8), AY24140 MW-8S (400-160630-9), AY24141 MW-8S DUP (400-160630-10), AY24142 MW-7S (400-160630-11), AY24143 MW-7D (400-160630-12), AY24144 FB-3 (400-160630-13), AY24145 MW-3S (400-160630-14), AY24146 PZ-5 (400-160630-15), AY24147 MW-5 (400-160630-16), AY24148 MW-6 (400-160630-17), AY24148 MW-6 (400-160630-17[DUJ]), AY24149 MW-12 (400-160630-18), AY24150 MW-13D (400-160630-19) and AY24151 MW-13S (400-160630-20)

Method(s) PrecSep-21: Radium 226 Prep Batch 160-395991: The following samples were prepared at a reduced aliquot due to limited sample volume. AY24152 MW-14 (400-160630-21), AY24153 MW-15 (400-160630-22), AY24154 MW-16 (400-160630-23), AY24155 MW-3D (400-160630-24), AY24156 MW-2 (400-160630-25), AY24157 MW-5 DUP (400-160630-26), AY24158 MW-15 DUP (400-160630-27), AY24159 FB-1 (400-160630-28) and AY24160 EB-1 (400-160630-29). Sample aliquot 480-143551-2 reduced due to potential matrix interference. Sample was brown and contained heavy sediment levels.

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

| Method | Method Description | Protocol | Laboratory |
|-------------|--|----------|------------|
| 9315 | Radium-226 (GFPC) | SW846 | TAL SL |
| 9320 | Radium-228 (GFPC) | SW846 | TAL SL |
| Ra226_Ra228 | Combined Radium-226 and Radium-228 | TAL-STL | TAL SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | TAL SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | TAL SL |

Protocol References:

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 400-160630-1 | AY24132 MW-1 | Water | 10/09/18 12:20 | 10/13/18 10:45 |
| 400-160630-2 | AY24133 MW-11 | Water | 10/09/18 15:28 | 10/13/18 10:45 |
| 400-160630-3 | AY24134 MW-10 | Water | 10/08/18 13:23 | 10/13/18 10:45 |
| 400-160630-4 | AY24135 FB-2 | Water | 10/08/18 13:55 | 10/13/18 10:45 |
| 400-160630-5 | AY24136 MW-4 | Water | 10/08/18 16:20 | 10/13/18 10:45 |
| 400-160630-6 | AY24137 MW-9S | Water | 10/09/18 09:28 | 10/13/18 10:45 |
| 400-160630-7 | AY24138 MW-9D | Water | 10/09/18 10:32 | 10/13/18 10:45 |
| 400-160630-8 | AY24139 MW-8D | Water | 10/09/18 11:39 | 10/13/18 10:45 |
| 400-160630-9 | AY24140 MW-8S | Water | 10/09/18 12:46 | 10/13/18 10:45 |
| 400-160630-10 | AY24141 MW-8S DUP | Water | 10/09/18 12:46 | 10/13/18 10:45 |
| 400-160630-11 | AY24142 MW-7S | Water | 10/09/18 14:02 | 10/13/18 10:45 |
| 400-160630-12 | AY24143 MW-7D | Water | 10/09/18 15:02 | 10/13/18 10:45 |
| 400-160630-13 | AY24144 FB-3 | Water | 10/09/18 15:30 | 10/13/18 10:45 |
| 400-160630-14 | AY24145 MW-3S | Water | 10/09/18 16:30 | 10/13/18 10:45 |
| 400-160630-15 | AY24146 PZ-5 | Water | 10/08/18 13:45 | 10/13/18 10:45 |
| 400-160630-16 | AY24147 MW-5 | Water | 10/08/18 14:57 | 10/13/18 10:45 |
| 400-160630-17 | AY24148 MW-6 | Water | 10/08/18 15:46 | 10/13/18 10:45 |
| 400-160630-18 | AY24149 MW-12 | Water | 10/08/18 17:23 | 10/13/18 10:45 |
| 400-160630-19 | AY24150 MW-13D | Water | 10/09/18 08:35 | 10/13/18 10:45 |
| 400-160630-20 | AY24151 MW-13S | Water | 10/09/18 10:42 | 10/13/18 10:45 |
| 400-160630-21 | AY24152 MW-14 | Water | 10/09/18 12:15 | 10/13/18 10:45 |
| 400-160630-22 | AY24153 MW-15 | Water | 10/09/18 13:12 | 10/13/18 10:45 |
| 400-160630-23 | AY24154 MW-16 | Water | 10/09/18 14:06 | 10/13/18 10:45 |
| 400-160630-24 | AY24155 MW-3D | Water | 10/09/18 15:02 | 10/13/18 10:45 |
| 400-160630-25 | AY24156 MW-2 | Water | 10/09/18 16:48 | 10/13/18 10:45 |
| 400-160630-26 | AY24157 MW-5 DUP | Water | 10/08/18 14:57 | 10/13/18 10:45 |
| 400-160630-27 | AY24158 MW-15 DUP | Water | 10/09/18 13:12 | 10/13/18 10:45 |
| 400-160630-28 | AY24159 FB-1 | Water | 10/09/18 13:55 | 10/13/18 10:45 |
| 400-160630-29 | AY24160 EB-1 | Water | 10/09/18 18:00 | 10/13/18 10:45 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24132 MW-1

Lab Sample ID: 400-160630-1

Date Collected: 10/09/18 12:20

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.380 | | 0.141 | 0.145 | 1.00 | 0.110 | pCi/L | 10/19/18 08:27 | 11/12/18 05:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.8 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:41 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0412 | U | 0.237 | 0.237 | 1.00 | 0.436 | pCi/L | 10/19/18 08:54 | 11/07/18 15:52 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.8 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:52 | 1 |
| Y Carrier | 86.0 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:52 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.338 | U | 0.276 | 0.278 | 5.00 | 0.436 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24133 MW-11

Lab Sample ID: 400-160630-2

Date Collected: 10/09/18 15:28

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.234 | | 0.123 | 0.125 | 1.00 | 0.142 | pCi/L | 10/19/18 08:27 | 11/12/18 05:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.1 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:41 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.266 | U | 0.287 | 0.288 | 1.00 | 0.470 | pCi/L | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.1 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Y Carrier | 85.6 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.500 | | 0.312 | 0.314 | 5.00 | 0.470 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24134 MW-10

Lab Sample ID: 400-160630-3

Date Collected: 10/08/18 13:23

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.340 | | 0.134 | 0.138 | 1.00 | 0.122 | pCi/L | 10/19/18 08:27 | 11/12/18 05:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:41 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.148 | U | 0.174 | 0.174 | 1.00 | 0.354 | pCi/L | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Y Carrier | 88.6 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.193 | U | 0.220 | 0.222 | 5.00 | 0.354 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24135 FB-2

Lab Sample ID: 400-160630-4

Date Collected: 10/08/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.163 | | 0.102 | 0.103 | 1.00 | 0.126 | pCi/L | 10/19/18 08:27 | 11/12/18 05:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:41 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.225 | U | 0.201 | 0.202 | 1.00 | 0.411 | pCi/L | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | -0.0624 | U | 0.225 | 0.227 | 5.00 | 0.411 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24136 MW-4

Lab Sample ID: 400-160630-5

Date Collected: 10/08/18 16:20

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.178 | | 0.113 | 0.114 | 1.00 | 0.150 | pCi/L | 10/19/18 08:27 | 11/12/18 05:41 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:41 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.133 | U | 0.238 | 0.238 | 1.00 | 0.405 | pCi/L | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |
| Y Carrier | 87.1 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:53 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.311 | U | 0.263 | 0.264 | 5.00 | 0.405 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24137 MW-9S

Lab Sample ID: 400-160630-6

Date Collected: 10/09/18 09:28

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.444 | | 0.156 | 0.161 | 1.00 | 0.136 | pCi/L | 10/19/18 08:27 | 11/12/18 05:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:42 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.226 | U | 0.359 | 0.360 | 1.00 | 0.603 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 87.1 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.670 | | 0.391 | 0.394 | 5.00 | 0.603 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24138 MW-9D

Lab Sample ID: 400-160630-7

Date Collected: 10/09/18 10:32

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.343 | | 0.137 | 0.141 | 1.00 | 0.123 | pCi/L | 10/19/18 08:27 | 11/12/18 05:42 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.9 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:42 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0762 | U | 0.297 | 0.297 | 1.00 | 0.516 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.9 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 89.3 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.419 | U | 0.327 | 0.329 | 5.00 | 0.516 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24139 MW-8D

Lab Sample ID: 400-160630-8

Date Collected: 10/09/18 11:39

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.248 | | 0.121 | 0.123 | 1.00 | 0.132 | pCi/L | 10/19/18 08:27 | 11/12/18 05:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 105 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0263 | U | 0.285 | 0.285 | 1.00 | 0.509 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 105 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 87.9 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.222 | U | 0.310 | 0.310 | 5.00 | 0.509 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24140 MW-8S

Lab Sample ID: 400-160630-9

Date Collected: 10/09/18 12:46

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.224 | | 0.120 | 0.122 | 1.00 | 0.139 | pCi/L | 10/19/18 08:27 | 11/12/18 05:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.160 | U | 0.280 | 0.280 | 1.00 | 0.474 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.385 | U | 0.305 | 0.305 | 5.00 | 0.474 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24141 MW-8S DUP

Lab Sample ID: 400-160630-10

Date Collected: 10/09/18 12:46

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.152 | | 0.106 | 0.107 | 1.00 | 0.142 | pCi/L | 10/19/18 08:27 | 11/12/18 05:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0150 | U | 0.254 | 0.254 | 1.00 | 0.453 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 86.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.167 | U | 0.275 | 0.276 | 5.00 | 0.453 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24142 MW-7S

Lab Sample ID: 400-160630-11

Date Collected: 10/09/18 14:02

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.336 | | 0.138 | 0.141 | 1.00 | 0.131 | pCi/L | 10/19/18 08:27 | 11/12/18 05:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.359 | U | 0.288 | 0.290 | 1.00 | 0.456 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.4 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 88.2 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.695 | | 0.319 | 0.322 | 5.00 | 0.456 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24143 MW-7D

Lab Sample ID: 400-160630-12

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.311 | | 0.129 | 0.132 | 1.00 | 0.120 | pCi/L | 10/19/18 08:27 | 11/12/18 05:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.129 | U | 0.275 | 0.276 | 1.00 | 0.471 | pCi/L | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 101 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:57 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.440 | U | 0.304 | 0.306 | 5.00 | 0.471 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24144 FB-3

Lab Sample ID: 400-160630-13

Date Collected: 10/09/18 15:30

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.133 | U | 0.106 | 0.107 | 1.00 | 0.151 | pCi/L | 10/19/18 08:27 | 11/12/18 05:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:43 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0521 | U | 0.235 | 0.235 | 1.00 | 0.432 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Y Carrier | 88.6 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.0812 | U | 0.258 | 0.258 | 5.00 | 0.432 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24145 MW-3S

Lab Sample ID: 400-160630-14

Date Collected: 10/09/18 16:30

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.217 | | 0.129 | 0.130 | 1.00 | 0.159 | pCi/L | 10/19/18 08:27 | 11/12/18 05:46 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 105 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:46 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.354 | U | 0.275 | 0.277 | 1.00 | 0.434 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 105 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.571 | | 0.304 | 0.306 | 5.00 | 0.434 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24146 PZ-5

Lab Sample ID: 400-160630-15

Date Collected: 10/08/18 13:45

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.409 | | 0.169 | 0.173 | 1.00 | 0.180 | pCi/L | 10/19/18 08:27 | 11/12/18 05:46 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.1 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:46 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0310 | U | 0.268 | 0.268 | 1.00 | 0.474 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.1 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Y Carrier | 88.6 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.440 | U | 0.317 | 0.319 | 5.00 | 0.474 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24147 MW-5

Lab Sample ID: 400-160630-16

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.307 | | 0.159 | 0.162 | 1.00 | 0.197 | pCi/L | 10/19/18 08:27 | 11/12/18 05:46 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:46 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.614 | | 0.308 | 0.313 | 1.00 | 0.453 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.921 | | 0.347 | 0.352 | 5.00 | 0.453 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24148 MW-6

Lab Sample ID: 400-160630-17

Date Collected: 10/08/18 15:46

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.328 | | 0.145 | 0.148 | 1.00 | 0.144 | pCi/L | 10/19/18 08:27 | 11/12/18 05:46 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.8 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:46 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.284 | U | 0.268 | 0.269 | 1.00 | 0.432 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.8 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Y Carrier | 89.3 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.612 | | 0.305 | 0.307 | 5.00 | 0.432 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24149 MW-12

Lab Sample ID: 400-160630-18

Date Collected: 10/08/18 17:23

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.359 | | 0.148 | 0.152 | 1.00 | 0.145 | pCi/L | 10/19/18 08:27 | 11/12/18 05:47 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:47 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.357 | U | 0.266 | 0.268 | 1.00 | 0.417 | pCi/L | 10/19/18 08:54 | 11/07/18 15:52 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:52 | 1 |
| Y Carrier | 90.5 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:52 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.717 | | 0.304 | 0.308 | 5.00 | 0.417 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24150 MW-13D

Lab Sample ID: 400-160630-19

Date Collected: 10/09/18 08:35

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.429 | | 0.154 | 0.159 | 1.00 | 0.126 | pCi/L | 10/19/18 08:27 | 11/12/18 05:47 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:47 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.254 | U | 0.243 | 0.244 | 1.00 | 0.392 | pCi/L | 10/19/18 08:54 | 11/07/18 15:52 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 102 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:52 | 1 |
| Y Carrier | 89.7 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:52 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.683 | | 0.288 | 0.291 | 5.00 | 0.392 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24151 MW-13S

Lab Sample ID: 400-160630-20

Date Collected: 10/09/18 10:42

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.387 | | 0.161 | 0.165 | 1.00 | 0.179 | pCi/L | 10/19/18 08:27 | 11/12/18 05:47 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 105 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:47 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.269 | U | 0.250 | 0.251 | 1.00 | 0.403 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 105 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| Y Carrier | 90.8 | | 40 - 110 | | | | | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.657 | | 0.297 | 0.300 | 5.00 | 0.403 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24152 MW-14

Lab Sample ID: 400-160630-21

Date Collected: 10/09/18 12:15

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.340 | | 0.170 | 0.173 | 1.00 | 0.200 | pCi/L | 10/19/18 08:29 | 11/12/18 07:58 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.3 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:58 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.292 | U | 0.284 | 0.285 | 1.00 | 0.459 | pCi/L | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.3 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Y Carrier | 83.7 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.631 | | 0.331 | 0.333 | 5.00 | 0.459 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24153 MW-15

Lab Sample ID: 400-160630-22

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.491 | | 0.201 | 0.206 | 1.00 | 0.219 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.9 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.334 | U | 0.289 | 0.291 | 1.00 | 0.462 | pCi/L | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.9 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Y Carrier | 83.7 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.825 | | 0.352 | 0.357 | 5.00 | 0.462 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24154 MW-16

Lab Sample ID: 400-160630-23

Date Collected: 10/09/18 14:06

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.707 | | 0.213 | 0.223 | 1.00 | 0.160 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.444 | U | 0.307 | 0.310 | 1.00 | 0.477 | pCi/L | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Y Carrier | 83.7 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 1.15 | | 0.374 | 0.382 | 5.00 | 0.477 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24155 MW-3D

Lab Sample ID: 400-160630-24

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.404 | | 0.182 | 0.185 | 1.00 | 0.200 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.9 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.290 | U | 0.318 | 0.319 | 1.00 | 0.520 | pCi/L | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 87.9 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Y Carrier | 81.1 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.693 | | 0.366 | 0.369 | 5.00 | 0.520 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24156 MW-2

Lab Sample ID: 400-160630-25

Date Collected: 10/09/18 16:48

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.599 | | 0.196 | 0.204 | 1.00 | 0.164 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.442 | | 0.285 | 0.288 | 1.00 | 0.434 | pCi/L | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 98.5 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |
| Y Carrier | 80.7 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:43 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 1.04 | | 0.346 | 0.353 | 5.00 | 0.434 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24157 MW-5 DUP

Lab Sample ID: 400-160630-26

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.644 | | 0.202 | 0.210 | 1.00 | 0.148 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.594 | | 0.315 | 0.319 | 1.00 | 0.462 | pCi/L | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 94.1 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Y Carrier | 82.2 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 1.24 | | 0.374 | 0.382 | 5.00 | 0.462 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24158 MW-15 DUP

Lab Sample ID: 400-160630-27

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.366 | | 0.170 | 0.173 | 1.00 | 0.200 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 103 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.156 | U | 0.287 | 0.288 | 1.00 | 0.488 | pCi/L | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 103 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Y Carrier | 80.7 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.522 | | 0.334 | 0.336 | 5.00 | 0.488 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24159 FB-1

Lab Sample ID: 400-160630-28

Date Collected: 10/09/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.317 | | 0.168 | 0.170 | 1.00 | 0.209 | pCi/L | 10/19/18 08:29 | 11/12/18 07:59 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 100 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 07:59 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.159 | U | 0.258 | 0.258 | 1.00 | 0.436 | pCi/L | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 100 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Y Carrier | 83.4 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.476 | | 0.308 | 0.309 | 5.00 | 0.436 | pCi/L | | 11/15/18 17:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24160 EB-1

Lab Sample ID: 400-160630-29

Date Collected: 10/09/18 18:00

Matrix: Water

Date Received: 10/13/18 10:45

Method: 9315 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.187 | | 0.123 | 0.124 | 1.00 | 0.167 | pCi/L | 10/19/18 08:29 | 11/12/18 08:03 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.9 | | 40 - 110 | | | | | 10/19/18 08:29 | 11/12/18 08:03 | 1 |

Method: 9320 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.447 | | 0.285 | 0.288 | 1.00 | 0.434 | pCi/L | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 97.9 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |
| Y Carrier | 84.5 | | 40 - 110 | | | | | 10/19/18 09:54 | 11/08/18 16:44 | 1 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.634 | | 0.310 | 0.314 | 5.00 | 0.434 | pCi/L | | 11/15/18 17:00 | 1 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Qualifiers

Rad

| Qualifier | Qualifier Description |
|-----------|---|
| U | Result is less than the sample detection limit. |

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24132 MW-1

Lab Sample ID: 400-160630-1

Date Collected: 10/09/18 12:20

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:41 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399721 | 11/07/18 15:52 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24133 MW-11

Lab Sample ID: 400-160630-2

Date Collected: 10/09/18 15:28

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:41 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399720 | 11/07/18 15:53 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24134 MW-10

Lab Sample ID: 400-160630-3

Date Collected: 10/08/18 13:23

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:41 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399720 | 11/07/18 15:53 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24135 FB-2

Lab Sample ID: 400-160630-4

Date Collected: 10/08/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:41 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399720 | 11/07/18 15:53 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24136 MW-4

Lab Sample ID: 400-160630-5

Date Collected: 10/08/18 16:20

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:41 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399720 | 11/07/18 15:53 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24137 MW-9S

Lab Sample ID: 400-160630-6

Date Collected: 10/09/18 09:28

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:42 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24138 MW-9D

Lab Sample ID: 400-160630-7

Date Collected: 10/09/18 10:32

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 05:42 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24139 MW-8D

Lab Sample ID: 400-160630-8

Date Collected: 10/09/18 11:39

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400470 | 11/12/18 05:43 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Client Sample ID: AY24140 MW-8S

Lab Sample ID: 400-160630-9

Date Collected: 10/09/18 12:46

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400470 | 11/12/18 05:43 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24141 MW-8S DUP

Lab Sample ID: 400-160630-10

Date Collected: 10/09/18 12:46

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400470 | 11/12/18 05:43 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24142 MW-7S

Lab Sample ID: 400-160630-11

Date Collected: 10/09/18 14:02

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400470 | 11/12/18 05:43 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24143 MW-7D

Lab Sample ID: 400-160630-12

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400470 | 11/12/18 05:43 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:57 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Client Sample ID: AY24144 FB-3

Lab Sample ID: 400-160630-13

Date Collected: 10/09/18 15:30

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400470 | 11/12/18 05:43 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:58 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24145 MW-3S

Lab Sample ID: 400-160630-14

Date Collected: 10/09/18 16:30

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:46 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:58 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24146 PZ-5

Lab Sample ID: 400-160630-15

Date Collected: 10/08/18 13:45

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:46 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:58 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24147 MW-5

Lab Sample ID: 400-160630-16

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:46 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:58 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Client Sample ID: AY24148 MW-6

Lab Sample ID: 400-160630-17

Date Collected: 10/08/18 15:46

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:46 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:58 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24149 MW-12

Lab Sample ID: 400-160630-18

Date Collected: 10/08/18 17:23

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:47 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399721 | 11/07/18 15:52 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24150 MW-13D

Lab Sample ID: 400-160630-19

Date Collected: 10/09/18 08:35

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:47 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399721 | 11/07/18 15:52 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24151 MW-13S

Lab Sample ID: 400-160630-20

Date Collected: 10/09/18 10:42

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395989 | 10/19/18 08:27 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 05:47 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396001 | 10/19/18 08:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399717 | 11/07/18 15:58 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Client Sample ID: AY24152 MW-14

Lab Sample ID: 400-160630-21

Date Collected: 10/09/18 12:15

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:58 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:43 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24153 MW-15

Lab Sample ID: 400-160630-22

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:43 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24154 MW-16

Lab Sample ID: 400-160630-23

Date Collected: 10/09/18 14:06

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:43 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24155 MW-3D

Lab Sample ID: 400-160630-24

Date Collected: 10/09/18 15:02

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:43 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Client Sample ID: AY24156 MW-2

Lab Sample ID: 400-160630-25

Date Collected: 10/09/18 16:48

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:43 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24157 MW-5 DUP

Lab Sample ID: 400-160630-26

Date Collected: 10/08/18 14:57

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:44 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24158 MW-15 DUP

Lab Sample ID: 400-160630-27

Date Collected: 10/09/18 13:12

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:44 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Client Sample ID: AY24159 FB-1

Lab Sample ID: 400-160630-28

Date Collected: 10/09/18 13:55

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400468 | 11/12/18 07:59 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:44 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Client Sample ID: AY24160 EB-1

Lab Sample ID: 400-160630-29

Date Collected: 10/09/18 18:00

Matrix: Water

Date Received: 10/13/18 10:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | PrecSep-21 | | | 395991 | 10/19/18 08:29 | JLC | TAL SL |
| Total/NA | Analysis | 9315 | | 1 | 400471 | 11/12/18 08:03 | CDR | TAL SL |
| Total/NA | Prep | PrecSep_0 | | | 396012 | 10/19/18 09:54 | JLC | TAL SL |
| Total/NA | Analysis | 9320 | | 1 | 399971 | 11/08/18 16:44 | CDR | TAL SL |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 401115 | 11/15/18 17:00 | RTM | TAL SL |

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Rad

Prep Batch: 395989

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 400-160630-1 | AY24132 MW-1 | Total/NA | Water | PrecSep-21 | |
| 400-160630-2 | AY24133 MW-11 | Total/NA | Water | PrecSep-21 | |
| 400-160630-3 | AY24134 MW-10 | Total/NA | Water | PrecSep-21 | |
| 400-160630-4 | AY24135 FB-2 | Total/NA | Water | PrecSep-21 | |
| 400-160630-5 | AY24136 MW-4 | Total/NA | Water | PrecSep-21 | |
| 400-160630-6 | AY24137 MW-9S | Total/NA | Water | PrecSep-21 | |
| 400-160630-7 | AY24138 MW-9D | Total/NA | Water | PrecSep-21 | |
| 400-160630-8 | AY24139 MW-8D | Total/NA | Water | PrecSep-21 | |
| 400-160630-9 | AY24140 MW-8S | Total/NA | Water | PrecSep-21 | |
| 400-160630-10 | AY24141 MW-8S DUP | Total/NA | Water | PrecSep-21 | |
| 400-160630-11 | AY24142 MW-7S | Total/NA | Water | PrecSep-21 | |
| 400-160630-12 | AY24143 MW-7D | Total/NA | Water | PrecSep-21 | |
| 400-160630-13 | AY24144 FB-3 | Total/NA | Water | PrecSep-21 | |
| 400-160630-14 | AY24145 MW-3S | Total/NA | Water | PrecSep-21 | |
| 400-160630-15 | AY24146 PZ-5 | Total/NA | Water | PrecSep-21 | |
| 400-160630-16 | AY24147 MW-5 | Total/NA | Water | PrecSep-21 | |
| 400-160630-17 | AY24148 MW-6 | Total/NA | Water | PrecSep-21 | |
| 400-160630-18 | AY24149 MW-12 | Total/NA | Water | PrecSep-21 | |
| 400-160630-19 | AY24150 MW-13D | Total/NA | Water | PrecSep-21 | |
| 400-160630-20 | AY24151 MW-13S | Total/NA | Water | PrecSep-21 | |
| MB 160-395989/24-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-395989/1-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 400-160630-6 DU | AY24137 MW-9S | Total/NA | Water | PrecSep-21 | |
| 400-160630-17 DU | AY24148 MW-6 | Total/NA | Water | PrecSep-21 | |

Prep Batch: 395991

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|------------|------------|
| 400-160630-21 | AY24152 MW-14 | Total/NA | Water | PrecSep-21 | |
| 400-160630-22 | AY24153 MW-15 | Total/NA | Water | PrecSep-21 | |
| 400-160630-23 | AY24154 MW-16 | Total/NA | Water | PrecSep-21 | |
| 400-160630-24 | AY24155 MW-3D | Total/NA | Water | PrecSep-21 | |
| 400-160630-25 | AY24156 MW-2 | Total/NA | Water | PrecSep-21 | |
| 400-160630-26 | AY24157 MW-5 DUP | Total/NA | Water | PrecSep-21 | |
| 400-160630-27 | AY24158 MW-15 DUP | Total/NA | Water | PrecSep-21 | |
| 400-160630-28 | AY24159 FB-1 | Total/NA | Water | PrecSep-21 | |
| 400-160630-29 | AY24160 EB-1 | Total/NA | Water | PrecSep-21 | |
| MB 160-395991/21-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-395991/1-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 680-159323-C-3-A DU | Duplicate | Total/NA | Water | PrecSep-21 | |

Prep Batch: 396001

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-----------|------------|
| 400-160630-1 | AY24132 MW-1 | Total/NA | Water | PrecSep_0 | |
| 400-160630-2 | AY24133 MW-11 | Total/NA | Water | PrecSep_0 | |
| 400-160630-3 | AY24134 MW-10 | Total/NA | Water | PrecSep_0 | |
| 400-160630-4 | AY24135 FB-2 | Total/NA | Water | PrecSep_0 | |
| 400-160630-5 | AY24136 MW-4 | Total/NA | Water | PrecSep_0 | |
| 400-160630-6 | AY24137 MW-9S | Total/NA | Water | PrecSep_0 | |
| 400-160630-7 | AY24138 MW-9D | Total/NA | Water | PrecSep_0 | |
| 400-160630-8 | AY24139 MW-8D | Total/NA | Water | PrecSep_0 | |
| 400-160630-9 | AY24140 MW-8S | Total/NA | Water | PrecSep_0 | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Rad (Continued)

Prep Batch: 396001 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 400-160630-10 | AY24141 MW-8S DUP | Total/NA | Water | PrecSep_0 | |
| 400-160630-11 | AY24142 MW-7S | Total/NA | Water | PrecSep_0 | |
| 400-160630-12 | AY24143 MW-7D | Total/NA | Water | PrecSep_0 | |
| 400-160630-13 | AY24144 FB-3 | Total/NA | Water | PrecSep_0 | |
| 400-160630-14 | AY24145 MW-3S | Total/NA | Water | PrecSep_0 | |
| 400-160630-15 | AY24146 PZ-5 | Total/NA | Water | PrecSep_0 | |
| 400-160630-16 | AY24147 MW-5 | Total/NA | Water | PrecSep_0 | |
| 400-160630-17 | AY24148 MW-6 | Total/NA | Water | PrecSep_0 | |
| 400-160630-18 | AY24149 MW-12 | Total/NA | Water | PrecSep_0 | |
| 400-160630-19 | AY24150 MW-13D | Total/NA | Water | PrecSep_0 | |
| 400-160630-20 | AY24151 MW-13S | Total/NA | Water | PrecSep_0 | |
| MB 160-396001/24-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-396001/1-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 400-160630-6 DU | AY24137 MW-9S | Total/NA | Water | PrecSep_0 | |
| 400-160630-17 DU | AY24148 MW-6 | Total/NA | Water | PrecSep_0 | |

Prep Batch: 396012

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|-----------|------------|
| 400-160630-21 | AY24152 MW-14 | Total/NA | Water | PrecSep_0 | |
| 400-160630-22 | AY24153 MW-15 | Total/NA | Water | PrecSep_0 | |
| 400-160630-23 | AY24154 MW-16 | Total/NA | Water | PrecSep_0 | |
| 400-160630-24 | AY24155 MW-3D | Total/NA | Water | PrecSep_0 | |
| 400-160630-25 | AY24156 MW-2 | Total/NA | Water | PrecSep_0 | |
| 400-160630-26 | AY24157 MW-5 DUP | Total/NA | Water | PrecSep_0 | |
| 400-160630-27 | AY24158 MW-15 DUP | Total/NA | Water | PrecSep_0 | |
| 400-160630-28 | AY24159 FB-1 | Total/NA | Water | PrecSep_0 | |
| 400-160630-29 | AY24160 EB-1 | Total/NA | Water | PrecSep_0 | |
| MB 160-396012/21-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-396012/1-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 680-159323-C-3-B DU | Duplicate | Total/NA | Water | PrecSep_0 | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-395989/24-A
Matrix: Water
Analysis Batch: 400468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395989

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.2053 | | 0.135 | 0.136 | 1.00 | 0.185 | pCi/L | 10/19/18 08:27 | 11/12/18 05:47 | 1 |
| Carrier | MB %Yield | MB Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 104 | | 40 - 110 | | | | | 10/19/18 08:27 | 11/12/18 05:47 | 1 |

Lab Sample ID: LCS 160-395989/1-A
Matrix: Water
Analysis Batch: 400471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395989

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|---------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-226 | 15.1 | 11.20 | | 1.23 | 1.00 | 0.120 | pCi/L | 74 | 68 - 137 |
| Carrier | LCS %Yield | LCS Qualifier | Limits | | | | | | |
| Ba Carrier | 101 | | 40 - 110 | | | | | | |

Lab Sample ID: 400-160630-6 DU
Matrix: Water
Analysis Batch: 400471

Client Sample ID: AY24137 MW-9S
Prep Type: Total/NA
Prep Batch: 395989

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|--------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-226 | 0.444 | | 0.2782 | | 0.133 | 1.00 | 0.141 | pCi/L | 0.56 | 1 |
| Carrier | DU %Yield | DU Qualifier | Limits | | | | | | | |
| Ba Carrier | 97.6 | | 40 - 110 | | | | | | | |

Lab Sample ID: 400-160630-17 DU
Matrix: Water
Analysis Batch: 400468

Client Sample ID: AY24148 MW-6
Prep Type: Total/NA
Prep Batch: 395989

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|--------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-226 | 0.328 | | 0.3338 | | 0.153 | 1.00 | 0.165 | pCi/L | 0.02 | 1 |
| Carrier | DU %Yield | DU Qualifier | Limits | | | | | | | |
| Ba Carrier | 99.7 | | 40 - 110 | | | | | | | |

Lab Sample ID: MB 160-395991/21-A
Matrix: Water
Analysis Batch: 400471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395991

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.2161 | | 0.118 | 0.120 | 1.00 | 0.131 | pCi/L | 10/19/18 08:29 | 11/12/18 10:50 | 1 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-395991/21-A
Matrix: Water
Analysis Batch: 400471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395991

| Carrier | <i>MB</i> %Yield | <i>MB</i> Qualifier | Limits |
|------------|---------------------|------------------------|----------|
| Ba Carrier | 96.8 | | 40 - 110 |

| Prepared | Analyzed | Dil Fac |
|----------------|----------------|---------|
| 10/19/18 08:29 | 11/12/18 10:50 | 1 |

Lab Sample ID: LCS 160-395991/1-A
Matrix: Water
Analysis Batch: 400468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395991

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-226 | 15.1 | 15.70 | | 1.72 | 1.00 | 0.183 | pCi/L | 104 | 68 - 137 |

| Carrier | <i>LCS</i> %Yield | <i>LCS</i> Qualifier | Limits |
|------------|----------------------|-------------------------|----------|
| Ba Carrier | 97.6 | | 40 - 110 |

Lab Sample ID: 680-159323-C-3-A DU
Matrix: Water
Analysis Batch: 400470

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 395991

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-226 | 0.176 | | 0.1707 | | 0.0986 | 1.00 | 0.116 | pCi/L | 0.03 | 1 |

| Carrier | <i>DU</i> %Yield | <i>DU</i> Qualifier | Limits |
|------------|---------------------|------------------------|----------|
| Ba Carrier | 96.5 | | 40 - 110 |

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-396001/24-A
Matrix: Water
Analysis Batch: 399717

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 396001

| Analyte | <i>MB</i> Result | <i>MB</i> Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------------------|------------------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.08031 | U | 0.283 | 0.283 | 1.00 | 0.491 | pCi/L | 10/19/18 08:54 | 11/07/18 15:58 | 1 |

| Carrier | <i>MB</i> %Yield | <i>MB</i> Qualifier | Limits |
|------------|---------------------|------------------------|----------|
| Ba Carrier | 104 | | 40 - 110 |
| Y Carrier | 89.3 | | 40 - 110 |

| Carrier | <i>MB</i> %Yield | <i>MB</i> Qualifier | Limits |
|------------|---------------------|------------------------|----------|
| Ba Carrier | 104 | | 40 - 110 |
| Y Carrier | 89.3 | | 40 - 110 |

| Prepared | Analyzed | Dil Fac |
|----------------|----------------|---------|
| 10/19/18 08:54 | 11/07/18 15:58 | 1 |
| 10/19/18 08:54 | 11/07/18 15:58 | 1 |

Lab Sample ID: LCS 160-396001/1-A
Matrix: Water
Analysis Batch: 399721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 396001

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-228 | 12.3 | 11.18 | | 1.31 | 1.00 | 0.460 | pCi/L | 91 | 56 - 140 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-396001/1-A
Matrix: Water
Analysis Batch: 399721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 396001

| | LCS | LCS | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 101 | | 40 - 110 |
| Y Carrier | 82.2 | | 40 - 110 |

Lab Sample ID: 400-160630-6 DU
Matrix: Water
Analysis Batch: 399717

Client Sample ID: AY24137 MW-9S
Prep Type: Total/NA
Prep Batch: 396001

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-228 | 0.226 | U | 0.5150 | | 0.335 | 1.00 | 0.513 | pCi/L | 0.42 | 1 |

| | DU | DU | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 97.6 | | 40 - 110 |
| Y Carrier | 86.4 | | 40 - 110 |

Lab Sample ID: 400-160630-17 DU
Matrix: Water
Analysis Batch: 399717

Client Sample ID: AY24148 MW-6
Prep Type: Total/NA
Prep Batch: 396001

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|---------------|-------------|-----------|---------|-----------------------|------|-------|-------|------|-----------|
| Radium-228 | 0.284 | U | 0.05728 | U | 0.256 | 1.00 | 0.450 | pCi/L | 0.43 | 1 |

| | DU | DU | |
|------------|--------|-----------|----------|
| Carrier | %Yield | Qualifier | Limits |
| Ba Carrier | 99.7 | | 40 - 110 |
| Y Carrier | 89.7 | | 40 - 110 |

Lab Sample ID: MB 160-396012/21-A
Matrix: Water
Analysis Batch: 399972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 396012

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|-----------------------|-----------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.08767 | U | 0.279 | 0.279 | 1.00 | 0.518 | pCi/L | 10/19/18 09:54 | 11/08/18 16:48 | 1 |

| | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|----------|----------------|----------------|---------|
| Carrier | %Yield | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 96.8 | | 40 - 110 | 10/19/18 09:54 | 11/08/18 16:48 | 1 |
| Y Carrier | 81.9 | | 40 - 110 | 10/19/18 09:54 | 11/08/18 16:48 | 1 |

Lab Sample ID: LCS 160-396012/1-A
Matrix: Water
Analysis Batch: 399971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 396012

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|------------|-------------|------------|----------|-----------------------|------|-------|-------|------|--------------|
| Radium-228 | 12.3 | 14.69 | | 1.64 | 1.00 | 0.482 | pCi/L | 119 | 56 - 140 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-396012/1-A
Matrix: Water
Analysis Batch: 399971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 396012

| | LCS %Yield | LCS Qualifier | Limits |
|------------|---------------|------------------|----------|
| Ba Carrier | 97.6 | | 40 - 110 |
| Y Carrier | 83.4 | | 40 - 110 |

Lab Sample ID: 680-159323-C-3-B DU
Matrix: Water
Analysis Batch: 399971

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 396012

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|------------|------------------|----------------|--------------|------------|-----------------------------|------|-------|-------|------|--------------|
| Radium-228 | 0.0448 | U | 0.4094 | | 0.233 | 1.00 | 0.341 | pCi/L | 0.90 | 1 |

| | DU %Yield | DU Qualifier | Limits |
|------------|--------------|-----------------|----------|
| Ba Carrier | 96.5 | | 40 - 110 |
| Y Carrier | 83.4 | | 40 - 110 |

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

Lab Sample ID: 400-160630-6 DU
Matrix: Water
Analysis Batch: 401115

Client Sample ID: AY24137 MW-9S
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---------------------------------|------------------|----------------|--------------|------------|-----------------------------|------|-------|-------|------|--------------|
| Combined Radium 226 + 228 | 0.670 | | 0.7932 | | 0.360 | 5.00 | 0.513 | pCi/L | 0.16 | |

Lab Sample ID: 400-160630-17 DU
Matrix: Water
Analysis Batch: 401115

Client Sample ID: AY24148 MW-6
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---------------------------------|------------------|----------------|--------------|------------|-----------------------------|------|-------|-------|------|--------------|
| Combined Radium 226 + 228 | 0.612 | | 0.3910 | U | 0.298 | 5.00 | 0.450 | pCi/L | 0.36 | |

Chain of Custody Record



400-160630 COC

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|---|--|--|--|--|--|--|--|------------------------------|--|-------------------------------|--|--------------------------------|--|--|--|---|--|--|--|
| Client Information Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6197 (Tel) Email: lbmidkiff@southemco.com Project #/CCR: 40007143 SSO#/: Site: Miller Ash Pond 1169 | | Lab PM: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com | | Carrier Tracking No(s): COC No: 400-56525-24537.1 Page: Page 1 of 3 Job #: 1100620 | | | | | | | | | | | | | | | | | | | | | |
| Due Date Requested: TAT Requested (days): Routine | | Analysis Requested Preservation Codes: A-HCL B-NaOH C-Zn Acetate D-Nitric Acid E-NaHSO4 F-MeOH G-Amchlor H-Ascorbic Acid I-Ice J-DI Water K-EDTA L-EDA Other: M-Hexane N-None O-AcN/O2 P-Na2SO4 Q-Na2SO3 R-Na2S2O3 S-H2SO4 T-TSP Dodecahydrate U-Acetone V-NCAA W-ph 4.5 Z-other (specify) | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Identification AY24132 AY24133 | | Sample Date 10/9/18 10/9/18 | | Sample Time 12:20 15:28 | | Sample Type (C=Comp, G=grab) G G | | Matrix (W=water, S=solid, O=on-site, BT=biota, A=air) Water Water | | Field Filtered Sample (Yes or No) X X | | Perform MS/MSD (Yes or No) N N | | SM 4500 F_c X X | | SM 4500 Cl_e X X | | SM 4500 SO4_e X X | | 9315_R4226, 9320_R4226, R4226R4228_GFPc X X | | Total Number of containers 2 2 | | Special Instructions/Note: MW-1 MW-11 | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Empty Kit Relinquished by: Relinquished by: Laura Midkiff Relinquished by: Relinquished by: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months | | | | | | | | | | | | Special Instructions/QC Requirements: | | | | | | | | | | | | | |
| Time: | | | | | | | | | | | | Method of Shipment: | | | | | | | | | | | | | |
| Date/Time: 10/13/18 10:45 Received by: [Signature] Company: AA-16 | | | | | | | | | | | | Date/Time: 10/16/18 09:00 Received by: [Signature] Company: AA-16 | | | | | | | | | | | | | |
| Date/Time: 10/16/18 09:00 Received by: [Signature] Company: AA-16 | | | | | | | | | | | | Date/Time: 10/16/18 09:00 Received by: [Signature] Company: AA-16 | | | | | | | | | | | | | |
| Cooler Temperature(s) °C and Other Remarks: 1.8°C JRS 19.0°C | | | | | | | | | | | | | | | | | | | | | | | | | |

18.8°C
 JRS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Chain of Custody Record

| | | | |
|--|--|--|--|
| Client Information Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Callera State/Zip: AL, 35040 Phone: 205-664-6197 (Tel) Email: lbmidkiff@southernco.com Project Name: CCR Site: Miller Ash Pond 1169 | | Lab PII: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com Carrier Tracking No(s): | |
| Sample Information Sampler: Ben Rothschild Phone: | | COC No: 400-56525-24537.1 Page: Page 2 of 3 Job #: | |
| Due Date Requested: TAT Requested (days): Routine PO #: WO #: Project #: SOW#: | | Analysis Requested 9315_Ra226, 9320_Ra229, Ra226Ra228_GFPc | |
| Sample Identification | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | |
| Sample Date 10/8/18 10/8/18 10/8/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 10/9/18 | | Sample Time 13:23 13:55 16:20 09:28 10:32 11:39 12:46 12:46 14:02 15:02 15:30 16:30 | |
| Sample Type (C=Comp, G=grab) G G G G G G G G G G G G G | | Matrix (Water, Solid, On-surface, BPTissue, Acid) Water Water Water Water Water Water Water Water Water Water Water Water Water Water | |
| Field Filtered Sample (Yes or No) X X X X X X X X X X X X X | | Perform M/MSD (Yes or No) N X X X X X X X X X X X X X | |
| SM 4500 F_C X X X X X X X X X X X X X | | SM 4500 Cl_M X X X X X X X X X X X X X | |
| SM 4500 SO4_M X X X X X X X X X X X X X | | 9315_Ra226, 9320_Ra229, Ra226Ra228_GFPc X X X X X X X X X X X X X | |
| Total Number of containers 2 2 2 4 2 2 2 2 2 2 2 2 | | Special Instructions/Note: MW-10 FB-2 (Field Blank) MW-4 MW-9S MW-9D MW-8D MW-8S MW-8S DUP (Sample Duplicate) MW-7S MW-7D FB-3 (Field Blank) MW-3S | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | |
| Special Instructions/QC Requirements: | | | |
| Empty Kit Relinquished by: Relinquished by: Laura Midkiff | | Date: Date/Time: 10/12/2018, 09:00 Date/Time: Date/Time: | |
| Relinquished by: Relinquished by: | | Company: APC Company Company | |
| Relinquished by: Relinquished by: | | Received by: Received by: | |
| Custody Seals Intact: Δ Yes Δ No | | Custody Seal No.: | |
| Method of Shipment: Date/Time: 10/13/18 1045 Date/Time: 10/16/18 0911 Date/Time: | | | |



Chain of Custody Record

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Client Information
 Company: Alabama Power General Test Laboratory
 Address: 744 County Rd 87 GSC #8
 City: Callera
 State, Zip: AL, 35040
 Phone: 205-664-6197 (Tel)
 Email: lbmidiff@southernco.com
 Project Name: CCR
 Site: Miller Ash Pond 1169

Sampler: Anthony Goggins
Lab-PI#: Whitmire, Cheyenne R
E-Mail: cheyenne.whitmire@testamericainc.com

COC No.: 400-56525-24537.1
Page: Page 3 of 3
Job #:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (Water, Solid, Overstool, BT/Truair, AAB) | Preservation Code: | Field Filtered Sample (Yes or No) | Perform M5/M5D (Yes or No) | SM 4500 F _c | SM 4500 Cl _m | SM 4500 SO4 _m | 9315 Ra226, 9320 Ra228, R4228, R4226Ra228, GPPC | Total Number of Containers | Special Instructions/Note: |
|-----------------------|-------------|-------------|------------------------------|--|--------------------|-----------------------------------|----------------------------|------------------------|-------------------------|--------------------------|---|----------------------------|------------------------------|
| | | | | | | | | | | | | | |
| AY24146 | 10/8/18 | 13:45 | G | Water | | X | X | X | X | X | X | 2 | PZ-5 |
| AY24147 | 10/8/18 | 14:57 | G | Water | | X | X | X | X | X | X | 2 | MW-5 |
| AY24148 | 10/8/18 | 15:46 | G | Water | | X | X | X | X | X | X | 4 | MW-6 |
| AY24149 | 10/8/18 | 17:23 | G | Water | | X | X | X | X | X | X | 2 | MW-12 |
| AY24150 | 10/9/18 | 08:35 | G | Water | | X | X | X | X | X | X | 2 | MW-13D |
| AY24151 | 10/9/18 | 10:42 | G | Water | | X | X | X | X | X | X | 2 | MW-13S |
| AY24152 | 10/9/18 | 12:15 | G | Water | | X | X | X | X | X | X | 2 | MW-14 |
| AY24153 | 10/9/18 | 13:12 | G | Water | | X | X | X | X | X | X | 2 | MW-15 |
| AY24154 | 10/9/18 | 14:06 | G | Water | | X | X | X | X | X | X | 2 | MW-16 |
| AY24155 | 10/9/18 | 15:02 | G | Water | | X | X | X | X | X | X | 2 | MW-3D |
| AY24156 | 10/9/18 | 16:48 | G | Water | | X | X | X | X | X | X | 2 | MW-2 |
| AY24157 | 10/8/18 | 14:57 | G | Water | | X | X | X | X | X | X | 2 | MW-5 DUP (Sample Duplicate) |
| AY24158 | 10/9/18 | 13:12 | G | Water | | X | X | X | X | X | X | 2 | MW-15 DUP (Sample Duplicate) |
| AY24159 | 10/9/18 | 13:55 | G | Water | | X | X | X | X | X | X | 2 | FB-1 (Field Blank) |
| AY24160 | 10/9/18 | 18:00 | G | Water | | X | X | X | X | X | X | 2 | EB-1 (Equipment Blank) |

Analysis Requested

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

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

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: Laura Midkiff Date/Time: 10/12/2018, 09:00 Company: APC

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____

Special Instructions/QC Requirements: _____

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

Received by: _____ Date/Time: 10/13/18 10:45 Company: APC
 Received by: _____ Date/Time: 10/16/18 09:11 Company: APC
 Received by: _____ Date/Time: _____ Company: _____

Method of Shipment: _____

Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-160630-2
SDG Number: Miller Ash Pond 1169

Login Number: 160630

List Number: 1

Creator: Whitmire, Cheyenne R

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|--|--------|-----------------------------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | 1.8°C, IR-8; 19.0°C, 18.8°C, IR-7 |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-160630-2
SDG Number: Miller Ash Pond 1169

Login Number: 160630
List Number: 2
Creator: Hellm, Michael

List Source: TestAmerica St. Louis
List Creation: 10/18/18 12:41 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | False | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 19.0 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
 SDG: Miller Ash Pond 1169

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-19 |
| ANAB | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-19 |
| California | State Program | 9 | 2510 | 06-30-19 |
| Florida | NELAP | 4 | E81010 | 06-30-19 |
| Georgia | State Program | 4 | E81010 (FL) | 06-30-19 |
| Illinois | NELAP | 5 | 200041 | 10-09-19 |
| Iowa | State Program | 7 | 367 | 08-01-20 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 * |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-19 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| Louisiana | NELAP | 6 | 30976 | 06-30-19 |
| Louisiana (DW) | NELAP | 6 | LA180023 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-19 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-19 |
| Michigan | State Program | 5 | 9912 | 06-30-19 |
| New Jersey | NELAP | 2 | FL006 | 06-30-19 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-19 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-19 |
| Tennessee | State Program | 4 | TN02907 | 06-30-19 |
| Texas | NELAP | 6 | T104704286-18-16 | 09-30-19 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-19 |
| USDA | Federal | | P330-18-00148 | 05-17-21 |
| Virginia | NELAP | 3 | 460166 | 06-14-19 |
| Washington | State Program | 10 | C915 | 05-15-19 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-19 |

Laboratory: TestAmerica St. Louis

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|----------------|---------------|------------|-----------------------|-----------------|
| Alaska | State Program | 10 | MO00054 | 06-30-19 |
| ANAB | DoD ELAP | | L2305 | 04-06-19 |
| Arizona | State Program | 9 | AZ0813 | 12-08-18 * |
| California | State Program | 9 | 2886 | 06-30-19 |
| Connecticut | State Program | 1 | PH-0241 | 03-31-19 |
| Florida | NELAP | 4 | E87689 | 06-30-19 |
| Illinois | NELAP | 5 | 200023 | 11-30-18 * |
| Iowa | State Program | 7 | 373 | 12-01-18 * |
| Kansas | NELAP | 7 | E-10236 | 10-31-18 * |
| Kentucky (DW) | State Program | 4 | 90125 | 12-31-18 |
| Louisiana | NELAP | 6 | 04080 | 06-30-19 |
| Louisiana (DW) | NELAP | 6 | LA180017 | 12-31-18 * |
| Maryland | State Program | 3 | 310 | 09-30-19 |
| Michigan | State Program | 5 | 9005 | 06-30-18 * |
| Missouri | State Program | 7 | 780 | 06-30-19 |

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

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-160630-2
SDG: Miller Ash Pond 1169

Laboratory: TestAmerica St. Louis (Continued)

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|---------------|------------|-----------------------|-----------------|
| Nevada | State Program | 9 | MO000542018-1 | 07-31-19 |
| New Jersey | NELAP | 2 | MO002 | 06-30-19 |
| New York | NELAP | 2 | 11616 | 03-31-19 |
| North Dakota | State Program | 8 | R207 | 06-30-19 |
| NRC | NRC | | 24-24817-01 | 12-31-22 |
| Oklahoma | State Program | 6 | 9997 | 08-31-19 |
| Pennsylvania | NELAP | 3 | 68-00540 | 02-28-19 |
| South Carolina | State Program | 4 | 85002001 | 06-30-19 |
| Texas | NELAP | 6 | T104704193-18-12 | 07-31-19 |
| US Fish & Wildlife | Federal | | 058448 | 07-31-19 |
| USDA | Federal | | P330-17-0028 | 02-02-20 |
| Utah | NELAP | 8 | MO000542018-10 | 07-31-19 |
| Virginia | NELAP | 3 | 460230 | 06-14-19 |
| Washington | State Program | 10 | C592 | 08-30-19 |
| West Virginia DEP | State Program | 3 | 381 | 08-31-19 |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 10/9/2018 9:51 | 2994.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 9:51 | 196.87 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 9:51 | 1.26 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 9:51 | -89.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 9:51 | 12.03 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 9:51 | 20.93 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 9:51 | 8.3 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 9:56 | 2944.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 9:56 | 197.42 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 9:56 | 0.96 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 9:56 | -77.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 9:56 | 12.07 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 9:56 | 20.71 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 9:56 | 7.02 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:01 | 2868.1 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:01 | 197.84 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:01 | 0.75 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:01 | -62 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:01 | 12.08 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:01 | 20.62 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:01 | 6.28 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:06 | 2825.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:06 | 198.24 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:06 | 0.63 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:06 | -49.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:06 | 12.08 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:06 | 20.51 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:06 | 6.74 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:11 | 2723.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:11 | 198.54 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:11 | 0.55 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:11 | -37.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:11 | 12.07 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:11 | 20.51 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:11 | 6.36 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:16 | 2610 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:16 | 198.83 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:16 | 0.49 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:16 | -24.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:16 | 12.06 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:16 | 20.64 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:16 | 7.12 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:21 | 2420.2 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:21 | 199.01 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:21 | 0.45 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:21 | -9.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:21 | 12.03 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 10/9/2018 10:21 | 20.55 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:21 | 10.94 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:26 | 2200.8 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:26 | 199.24 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:26 | 0.42 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:26 | 5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:26 | 11.98 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:26 | 20.77 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:26 | 15.6 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:31 | 2020.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:31 | 199.35 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:31 | 0.39 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:31 | 22.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:31 | 11.93 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:31 | 20.86 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:31 | 27.4 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:36 | 1784.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:36 | 199.52 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:36 | 0.37 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:36 | 44.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:36 | 11.87 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:36 | 20.88 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:36 | 33.4 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:41 | 1599 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:41 | 199.64 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:41 | 0.35 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:41 | 59.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:41 | 11.8 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:41 | 20.64 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:41 | 32.2 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:46 | 1429.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:46 | 199.71 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:46 | 0.32 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:46 | 61.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:46 | 11.71 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:46 | 20.9 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:46 | 38.4 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:51 | 1239 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:51 | 199.82 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:51 | 0.3 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 10:51 | 62.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 10:51 | 11.59 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:51 | 20.86 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:51 | 36.6 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 10:56 | 1116.1 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 10:56 | 199.84 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 10:56 | 0.28 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 10/9/2018 10:56 | 60.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 10:56 | 11.43 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 10:56 | 20.74 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 10:56 | 40.5 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:01 | 1090.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:01 | 199.96 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:01 | 0.26 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:01 | 52.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 11:01 | 11.39 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:01 | 20.6 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:01 | 35.8 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:06 | 1063.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:06 | 200.01 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:06 | 0.24 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:06 | 43.4 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 11:06 | 11.32 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:06 | 20.74 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:06 | 44.3 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:11 | 1008.1 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:11 | 200.05 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:11 | 0.21 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:11 | 40.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 11:11 | 11.23 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:11 | 20.86 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:11 | 38.9 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:16 | 955.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:16 | 200.05 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:16 | 0.18 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:16 | 42.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 11:16 | 11.07 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:16 | 20.87 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:16 | 45.6 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:21 | 909.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:21 | 200.05 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:21 | 0.16 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:21 | 42.6 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 11:21 | 10.85 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:21 | 20.62 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:21 | 34.4 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:26 | 885.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:26 | 200.14 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:26 | 0.14 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:26 | 43.6 | mv | Oxidation Reduction Potention |
| MR-AP-MW-1 | 10/9/2018 11:26 | 10.62 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:26 | 20.46 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:26 | 31.4 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:31 | 871.5 | uS/cm | Conductivity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-1 | 10/9/2018 11:31 | 200.2 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:31 | 0.12 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:31 | 37.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 11:31 | 10.39 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:31 | 20.42 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:31 | 25.7 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:36 | 869.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:36 | 200.25 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:36 | 0.12 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:36 | 36.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 11:36 | 10.11 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:36 | 20.29 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:36 | 20.3 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:41 | 871.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:41 | 200.28 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:41 | 0.11 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:41 | 35.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 11:41 | 9.88 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:41 | 20.37 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:41 | 15.3 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:46 | 880.3 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:46 | 200.28 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:46 | 0.11 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:46 | 46.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 11:46 | 9.71 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:46 | 20.55 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:46 | 13.9 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:51 | 888.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:51 | 200.28 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:51 | 0.1 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:51 | 58 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 11:51 | 9.6 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:51 | 20.6 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:51 | 14 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 11:56 | 928.9 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 11:56 | 200.28 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 11:56 | 0.08 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 11:56 | 59.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 11:56 | 9.48 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 11:56 | 20.29 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 11:56 | 14.1 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 12:01 | 986.5 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 12:01 | 200.28 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 12:01 | 0.07 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 12:01 | 73.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 12:01 | 9.31 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 12:01 | 20.29 | C | Temperature |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-1 | 10/9/2018 12:01 | 10.36 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 12:06 | 984.7 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 12:06 | 200.35 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 12:06 | 0.06 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 12:06 | 47.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 12:06 | 9.15 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 12:06 | 20.42 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 12:06 | 9.63 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 12:12 | 996.4 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 12:12 | 200.38 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 12:12 | 0.05 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 12:12 | 28.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 12:12 | 9.1 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 12:12 | 20.53 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 12:12 | 9.9 | NTU | Turbidity |
| MR-AP-MW-1 | 10/9/2018 12:17 | 1016.6 | uS/cm | Conductivity |
| MR-AP-MW-1 | 10/9/2018 12:17 | 200.42 | ft | Depth to Water Detail |
| MR-AP-MW-1 | 10/9/2018 12:17 | 0.05 | mg/L | DO |
| MR-AP-MW-1 | 10/9/2018 12:17 | -4.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-1 | 10/9/2018 12:17 | 9.04 | pH | pH |
| MR-AP-MW-1 | 10/9/2018 12:17 | 20.59 | C | Temperature |
| MR-AP-MW-1 | 10/9/2018 12:17 | 7.57 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-2 | 10/9/2018 15:59 | 2202.7 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 15:59 | 204.2 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 15:59 | 4.75 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 15:59 | 354.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 15:59 | 3.56 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 15:59 | 21.06 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 15:59 | 2.48 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:04 | 1372.2 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:04 | 204.25 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:04 | 1.09 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:04 | -1.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:04 | 5.86 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:04 | 20.57 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:04 | 1.46 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:09 | 1162.2 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:09 | 204.25 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:09 | 0.36 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:09 | -27.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:09 | 6.15 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:09 | 20.39 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:09 | 2.18 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:14 | 1260 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:14 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:14 | 0.26 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:14 | -28.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:14 | 6.18 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:14 | 20.23 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:14 | 2.03 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:20 | 1591 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:20 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:20 | 0.24 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:20 | -32.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:20 | 6.14 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:20 | 20.23 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:20 | 2.54 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:25 | 1967.8 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:25 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:25 | 0.2 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:25 | -40.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:25 | 6.12 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:25 | 20.27 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:25 | 1.31 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:30 | 2257.1 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:30 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:30 | 0.19 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:30 | -46.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:30 | 6.14 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-2 | 10/9/2018 16:30 | 20.22 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:30 | 2.14 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:35 | 2423.9 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:35 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:35 | 0.19 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:35 | -50.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:35 | 6.17 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:35 | 20.22 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:35 | 2.07 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:40 | 2495.6 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:40 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:40 | 0.19 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:40 | -53.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:40 | 6.19 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:40 | 20.26 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:40 | 1.15 | NTU | Turbidity |
| MR-AP-MW-2 | 10/9/2018 16:45 | 2540.9 | uS/cm | Conductivity |
| MR-AP-MW-2 | 10/9/2018 16:45 | 204.28 | ft | Depth to Water Detail |
| MR-AP-MW-2 | 10/9/2018 16:45 | 0.2 | mg/L | DO |
| MR-AP-MW-2 | 10/9/2018 16:45 | -55.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-2 | 10/9/2018 16:45 | 6.21 | pH | pH |
| MR-AP-MW-2 | 10/9/2018 16:45 | 20.22 | C | Temperature |
| MR-AP-MW-2 | 10/9/2018 16:45 | 1 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-3D | 10/9/2018 14:40 | 1558.6 | uS/cm | Conductivity |
| MR-AP-MW-3D | 10/9/2018 14:40 | 111.13 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 10/9/2018 14:40 | 0.6 | mg/L | DO |
| MR-AP-MW-3D | 10/9/2018 14:40 | -141.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 10/9/2018 14:40 | 7.13 | pH | pH |
| MR-AP-MW-3D | 10/9/2018 14:40 | 19.62 | C | Temperature |
| MR-AP-MW-3D | 10/9/2018 14:40 | 4.75 | NTU | Turbidity |
| MR-AP-MW-3D | 10/9/2018 14:45 | 1611.8 | uS/cm | Conductivity |
| MR-AP-MW-3D | 10/9/2018 14:45 | 111.25 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 10/9/2018 14:45 | 0.36 | mg/L | DO |
| MR-AP-MW-3D | 10/9/2018 14:45 | -94.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 10/9/2018 14:45 | 6.89 | pH | pH |
| MR-AP-MW-3D | 10/9/2018 14:45 | 19.37 | C | Temperature |
| MR-AP-MW-3D | 10/9/2018 14:45 | 2.88 | NTU | Turbidity |
| MR-AP-MW-3D | 10/9/2018 14:50 | 1617.5 | uS/cm | Conductivity |
| MR-AP-MW-3D | 10/9/2018 14:50 | 111.25 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 10/9/2018 14:50 | 0.32 | mg/L | DO |
| MR-AP-MW-3D | 10/9/2018 14:50 | -81.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 10/9/2018 14:50 | 6.82 | pH | pH |
| MR-AP-MW-3D | 10/9/2018 14:50 | 19.33 | C | Temperature |
| MR-AP-MW-3D | 10/9/2018 14:50 | 2.81 | NTU | Turbidity |
| MR-AP-MW-3D | 10/9/2018 14:55 | 1620.6 | uS/cm | Conductivity |
| MR-AP-MW-3D | 10/9/2018 14:55 | 111.25 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 10/9/2018 14:55 | 0.3 | mg/L | DO |
| MR-AP-MW-3D | 10/9/2018 14:55 | -75.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 10/9/2018 14:55 | 6.81 | pH | pH |
| MR-AP-MW-3D | 10/9/2018 14:55 | 19.24 | C | Temperature |
| MR-AP-MW-3D | 10/9/2018 14:55 | 2.39 | NTU | Turbidity |
| MR-AP-MW-3D | 10/9/2018 15:00 | 1619.7 | uS/cm | Conductivity |
| MR-AP-MW-3D | 10/9/2018 15:00 | 111.25 | ft | Depth to Water Detail |
| MR-AP-MW-3D | 10/9/2018 15:00 | 0.29 | mg/L | DO |
| MR-AP-MW-3D | 10/9/2018 15:00 | -70.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3D | 10/9/2018 15:00 | 6.8 | pH | pH |
| MR-AP-MW-3D | 10/9/2018 15:00 | 19.31 | C | Temperature |
| MR-AP-MW-3D | 10/9/2018 15:00 | 2.13 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-3S | 10/9/2018 16:08 | 990.1 | uS/cm | Conductivity |
| MR-AP-MW-3S | 10/9/2018 16:08 | 88.95 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 10/9/2018 16:08 | 0.48 | mg/L | DO |
| MR-AP-MW-3S | 10/9/2018 16:08 | -171.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 10/9/2018 16:08 | 9.43 | pH | pH |
| MR-AP-MW-3S | 10/9/2018 16:08 | 19.81 | C | Temperature |
| MR-AP-MW-3S | 10/9/2018 16:08 | 6.78 | NTU | Turbidity |
| MR-AP-MW-3S | 10/9/2018 16:13 | 996.1 | uS/cm | Conductivity |
| MR-AP-MW-3S | 10/9/2018 16:13 | 89.03 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 10/9/2018 16:13 | 0.37 | mg/L | DO |
| MR-AP-MW-3S | 10/9/2018 16:13 | -109.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 10/9/2018 16:13 | 9.49 | pH | pH |
| MR-AP-MW-3S | 10/9/2018 16:13 | 19.46 | C | Temperature |
| MR-AP-MW-3S | 10/9/2018 16:13 | 6.9 | NTU | Turbidity |
| MR-AP-MW-3S | 10/9/2018 16:18 | 995.3 | uS/cm | Conductivity |
| MR-AP-MW-3S | 10/9/2018 16:18 | 89.1 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 10/9/2018 16:18 | 0.32 | mg/L | DO |
| MR-AP-MW-3S | 10/9/2018 16:18 | -91.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 10/9/2018 16:18 | 9.45 | pH | pH |
| MR-AP-MW-3S | 10/9/2018 16:18 | 19.41 | C | Temperature |
| MR-AP-MW-3S | 10/9/2018 16:18 | 6.06 | NTU | Turbidity |
| MR-AP-MW-3S | 10/9/2018 16:23 | 987 | uS/cm | Conductivity |
| MR-AP-MW-3S | 10/9/2018 16:23 | 89.12 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 10/9/2018 16:23 | 0.3 | mg/L | DO |
| MR-AP-MW-3S | 10/9/2018 16:23 | -82.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 10/9/2018 16:23 | 9.4 | pH | pH |
| MR-AP-MW-3S | 10/9/2018 16:23 | 19.42 | C | Temperature |
| MR-AP-MW-3S | 10/9/2018 16:23 | 5.14 | NTU | Turbidity |
| MR-AP-MW-3S | 10/9/2018 16:28 | 976 | uS/cm | Conductivity |
| MR-AP-MW-3S | 10/9/2018 16:28 | 89.17 | ft | Depth to Water Detail |
| MR-AP-MW-3S | 10/9/2018 16:28 | 0.29 | mg/L | DO |
| MR-AP-MW-3S | 10/9/2018 16:28 | -74.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-3S | 10/9/2018 16:28 | 9.34 | pH | pH |
| MR-AP-MW-3S | 10/9/2018 16:28 | 19.32 | C | Temperature |
| MR-AP-MW-3S | 10/9/2018 16:28 | 4.55 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-4 | 10/8/2018 16:03 | 1455.8 | uS/cm | Conductivity |
| MR-AP-MW-4 | 10/8/2018 16:03 | 42.21 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 10/8/2018 16:03 | 0.16 | mg/L | DO |
| MR-AP-MW-4 | 10/8/2018 16:03 | 155.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 10/8/2018 16:03 | 6 | pH | pH |
| MR-AP-MW-4 | 10/8/2018 16:03 | 20.62 | C | Temperature |
| MR-AP-MW-4 | 10/8/2018 16:03 | 5.56 | NTU | Turbidity |
| MR-AP-MW-4 | 10/8/2018 16:08 | 1456.1 | uS/cm | Conductivity |
| MR-AP-MW-4 | 10/8/2018 16:08 | 42.21 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 10/8/2018 16:08 | 0.14 | mg/L | DO |
| MR-AP-MW-4 | 10/8/2018 16:08 | 146.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 10/8/2018 16:08 | 5.92 | pH | pH |
| MR-AP-MW-4 | 10/8/2018 16:08 | 20.59 | C | Temperature |
| MR-AP-MW-4 | 10/8/2018 16:08 | 3.94 | NTU | Turbidity |
| MR-AP-MW-4 | 10/8/2018 16:13 | 1455.9 | uS/cm | Conductivity |
| MR-AP-MW-4 | 10/8/2018 16:13 | 42.21 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 10/8/2018 16:13 | 0.15 | mg/L | DO |
| MR-AP-MW-4 | 10/8/2018 16:13 | 134.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 10/8/2018 16:13 | 5.88 | pH | pH |
| MR-AP-MW-4 | 10/8/2018 16:13 | 20.57 | C | Temperature |
| MR-AP-MW-4 | 10/8/2018 16:13 | 2.14 | NTU | Turbidity |
| MR-AP-MW-4 | 10/8/2018 16:18 | 1453.3 | uS/cm | Conductivity |
| MR-AP-MW-4 | 10/8/2018 16:18 | 42.21 | ft | Depth to Water Detail |
| MR-AP-MW-4 | 10/8/2018 16:18 | 0.16 | mg/L | DO |
| MR-AP-MW-4 | 10/8/2018 16:18 | 132.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-4 | 10/8/2018 16:18 | 5.86 | pH | pH |
| MR-AP-MW-4 | 10/8/2018 16:18 | 20.49 | C | Temperature |
| MR-AP-MW-4 | 10/8/2018 16:18 | 2.09 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-5 | 10/8/2018 14:41 | 1738.1 | uS/cm | Conductivity |
| MR-AP-MW-5 | 10/8/2018 14:41 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 10/8/2018 14:41 | 0.02 | mg/L | DO |
| MR-AP-MW-5 | 10/8/2018 14:41 | -215.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 10/8/2018 14:41 | 7.46 | pH | pH |
| MR-AP-MW-5 | 10/8/2018 14:41 | 16.96 | C | Temperature |
| MR-AP-MW-5 | 10/8/2018 14:41 | 0.36 | NTU | Turbidity |
| MR-AP-MW-5 | 10/8/2018 14:46 | 1757.4 | uS/cm | Conductivity |
| MR-AP-MW-5 | 10/8/2018 14:46 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 10/8/2018 14:46 | 0.02 | mg/L | DO |
| MR-AP-MW-5 | 10/8/2018 14:46 | -214.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 10/8/2018 14:46 | 7.35 | pH | pH |
| MR-AP-MW-5 | 10/8/2018 14:46 | 16.87 | C | Temperature |
| MR-AP-MW-5 | 10/8/2018 14:46 | 0.33 | NTU | Turbidity |
| MR-AP-MW-5 | 10/8/2018 14:51 | 1762.2 | uS/cm | Conductivity |
| MR-AP-MW-5 | 10/8/2018 14:51 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 10/8/2018 14:51 | 0.02 | mg/L | DO |
| MR-AP-MW-5 | 10/8/2018 14:51 | -213.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 10/8/2018 14:51 | 7.3 | pH | pH |
| MR-AP-MW-5 | 10/8/2018 14:51 | 16.9 | C | Temperature |
| MR-AP-MW-5 | 10/8/2018 14:51 | 0.32 | NTU | Turbidity |
| MR-AP-MW-5 | 10/8/2018 14:56 | 1765.7 | uS/cm | Conductivity |
| MR-AP-MW-5 | 10/8/2018 14:56 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-5 | 10/8/2018 14:56 | 0.01 | mg/L | DO |
| MR-AP-MW-5 | 10/8/2018 14:56 | -212.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-5 | 10/8/2018 14:56 | 7.26 | pH | pH |
| MR-AP-MW-5 | 10/8/2018 14:56 | 16.86 | C | Temperature |
| MR-AP-MW-5 | 10/8/2018 14:56 | 0.41 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-PZ-5 | 10/8/2018 12:47 | 827.4 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 12:47 | 1.42 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 12:47 | 1.4 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 12:47 | -227.6 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 12:47 | 8.23 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 12:47 | 26.1 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 12:47 | 0.6 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 12:52 | 816.2 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 12:52 | 1.92 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 12:52 | 0.98 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 12:52 | -238.5 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 12:52 | 8.28 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 12:52 | 25.87 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 12:52 | 2.24 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 12:57 | 806.1 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 12:57 | 2.29 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 12:57 | 0.76 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 12:57 | -248.6 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 12:57 | 8.3 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 12:57 | 25.69 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 12:57 | 0.69 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:02 | 794.9 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:02 | 2.75 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:02 | 0.63 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:02 | -256.1 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:02 | 8.32 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:02 | 25.51 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:02 | 0.79 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:07 | 782 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:07 | 3.08 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:07 | 0.55 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:07 | -263.4 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:07 | 8.33 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:07 | 25.24 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:07 | 0.51 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:12 | 771.5 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:12 | 3.35 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:12 | 0.49 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:12 | -269.7 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:12 | 8.33 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:12 | 25.33 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:12 | 0.57 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:17 | 760 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:17 | 3.6 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:17 | 0.44 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:17 | -274.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:17 | 8.34 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-PZ-5 | 10/8/2018 13:17 | 25.33 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:17 | 0.71 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:22 | 747.6 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:22 | 3.82 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:22 | 0.4 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:22 | -280.2 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:22 | 8.33 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:22 | 25.55 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:22 | 0.53 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:27 | 741.6 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:27 | 4 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:27 | 0.38 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:27 | -281.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:27 | 8.33 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:27 | 25.47 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:27 | 0.98 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:32 | 723 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:32 | 4.18 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:32 | 0.36 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:32 | -283.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:32 | 8.33 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:32 | 25.29 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:32 | 0.67 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:38 | 711 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:38 | 4.28 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:38 | 0.34 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:38 | -285.8 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:38 | 8.32 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:38 | 24.87 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:38 | 0.71 | NTU | Turbidity |
| MR-AP-PZ-5 | 10/8/2018 13:43 | 703.9 | uS/cm | Conductivity |
| MR-AP-PZ-5 | 10/8/2018 13:43 | 4.41 | ft | Depth to Water Detail |
| MR-AP-PZ-5 | 10/8/2018 13:43 | 0.32 | mg/L | DO |
| MR-AP-PZ-5 | 10/8/2018 13:43 | -287.9 | mv | Oxidation Reduction Potential |
| MR-AP-PZ-5 | 10/8/2018 13:43 | 8.31 | pH | pH |
| MR-AP-PZ-5 | 10/8/2018 13:43 | 25 | C | Temperature |
| MR-AP-PZ-5 | 10/8/2018 13:43 | 0.56 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-6 | 10/8/2018 15:29 | 1159.8 | uS/cm | Conductivity |
| MR-AP-MW-6 | 10/8/2018 15:29 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 10/8/2018 15:29 | 0.07 | mg/L | DO |
| MR-AP-MW-6 | 10/8/2018 15:29 | -30.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 10/8/2018 15:29 | 6.25 | pH | pH |
| MR-AP-MW-6 | 10/8/2018 15:29 | 20.74 | C | Temperature |
| MR-AP-MW-6 | 10/8/2018 15:29 | 0.45 | NTU | Turbidity |
| MR-AP-MW-6 | 10/8/2018 15:34 | 1157.5 | uS/cm | Conductivity |
| MR-AP-MW-6 | 10/8/2018 15:34 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 10/8/2018 15:34 | 0.06 | mg/L | DO |
| MR-AP-MW-6 | 10/8/2018 15:34 | -29.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 10/8/2018 15:34 | 6.16 | pH | pH |
| MR-AP-MW-6 | 10/8/2018 15:34 | 20.97 | C | Temperature |
| MR-AP-MW-6 | 10/8/2018 15:34 | 0.43 | NTU | Turbidity |
| MR-AP-MW-6 | 10/8/2018 15:39 | 1154.5 | uS/cm | Conductivity |
| MR-AP-MW-6 | 10/8/2018 15:39 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 10/8/2018 15:39 | 0.05 | mg/L | DO |
| MR-AP-MW-6 | 10/8/2018 15:39 | -29.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 10/8/2018 15:39 | 6.12 | pH | pH |
| MR-AP-MW-6 | 10/8/2018 15:39 | 21.16 | C | Temperature |
| MR-AP-MW-6 | 10/8/2018 15:39 | 0.34 | NTU | Turbidity |
| MR-AP-MW-6 | 10/8/2018 15:44 | 1149.7 | uS/cm | Conductivity |
| MR-AP-MW-6 | 10/8/2018 15:44 | 0 | ft | Depth to Water Detail |
| MR-AP-MW-6 | 10/8/2018 15:44 | 0.05 | mg/L | DO |
| MR-AP-MW-6 | 10/8/2018 15:44 | -29.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 10/8/2018 15:44 | -29.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-6 | 10/8/2018 15:44 | 6.1 | pH | pH |
| MR-AP-MW-6 | 10/8/2018 15:44 | 21.3 | C | Temperature |
| MR-AP-MW-6 | 10/8/2018 15:44 | 0.46 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-7D | 10/9/2018 14:45 | 1091.3 | uS/cm | Conductivity |
| MR-AP-MW-7D | 10/9/2018 14:45 | 83.85 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 10/9/2018 14:45 | 0.24 | mg/L | DO |
| MR-AP-MW-7D | 10/9/2018 14:45 | -84.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 10/9/2018 14:45 | 6.78 | pH | pH |
| MR-AP-MW-7D | 10/9/2018 14:45 | 19.18 | C | Temperature |
| MR-AP-MW-7D | 10/9/2018 14:45 | 0.77 | NTU | Turbidity |
| MR-AP-MW-7D | 10/9/2018 14:50 | 1085.6 | uS/cm | Conductivity |
| MR-AP-MW-7D | 10/9/2018 14:50 | 83.85 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 10/9/2018 14:50 | 0.19 | mg/L | DO |
| MR-AP-MW-7D | 10/9/2018 14:50 | -74.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 10/9/2018 14:50 | 6.76 | pH | pH |
| MR-AP-MW-7D | 10/9/2018 14:50 | 19.15 | C | Temperature |
| MR-AP-MW-7D | 10/9/2018 14:50 | 0.56 | NTU | Turbidity |
| MR-AP-MW-7D | 10/9/2018 14:55 | 1079.6 | uS/cm | Conductivity |
| MR-AP-MW-7D | 10/9/2018 14:55 | 83.85 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 10/9/2018 14:55 | 0.18 | mg/L | DO |
| MR-AP-MW-7D | 10/9/2018 14:55 | -66.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 10/9/2018 14:55 | 6.75 | pH | pH |
| MR-AP-MW-7D | 10/9/2018 14:55 | 19.15 | C | Temperature |
| MR-AP-MW-7D | 10/9/2018 14:55 | 0.37 | NTU | Turbidity |
| MR-AP-MW-7D | 10/9/2018 15:00 | 1075.7 | uS/cm | Conductivity |
| MR-AP-MW-7D | 10/9/2018 15:00 | 83.86 | ft | Depth to Water Detail |
| MR-AP-MW-7D | 10/9/2018 15:00 | 0.21 | mg/L | DO |
| MR-AP-MW-7D | 10/9/2018 15:00 | -56.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7D | 10/9/2018 15:00 | 6.74 | pH | pH |
| MR-AP-MW-7D | 10/9/2018 15:00 | 19.19 | C | Temperature |
| MR-AP-MW-7D | 10/9/2018 15:00 | 0.44 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|-------|-------|-------------------------------|
| MR-AP-MW-7S | 10/9/2018 13:45 | 860.2 | uS/cm | Conductivity |
| MR-AP-MW-7S | 10/9/2018 13:45 | 14.75 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 10/9/2018 13:45 | 0.18 | mg/L | DO |
| MR-AP-MW-7S | 10/9/2018 13:45 | -71.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 10/9/2018 13:45 | 6.55 | pH | pH |
| MR-AP-MW-7S | 10/9/2018 13:45 | 20.39 | C | Temperature |
| MR-AP-MW-7S | 10/9/2018 13:45 | 2.8 | NTU | Turbidity |
| MR-AP-MW-7S | 10/9/2018 13:50 | 859.6 | uS/cm | Conductivity |
| MR-AP-MW-7S | 10/9/2018 13:50 | 14.85 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 10/9/2018 13:50 | 0.16 | mg/L | DO |
| MR-AP-MW-7S | 10/9/2018 13:50 | -65.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 10/9/2018 13:50 | 6.56 | pH | pH |
| MR-AP-MW-7S | 10/9/2018 13:50 | 20.26 | C | Temperature |
| MR-AP-MW-7S | 10/9/2018 13:50 | 2.14 | NTU | Turbidity |
| MR-AP-MW-7S | 10/9/2018 13:55 | 857.5 | uS/cm | Conductivity |
| MR-AP-MW-7S | 10/9/2018 13:55 | 14.96 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 10/9/2018 13:55 | 0.15 | mg/L | DO |
| MR-AP-MW-7S | 10/9/2018 13:55 | -61.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 10/9/2018 13:55 | 6.56 | pH | pH |
| MR-AP-MW-7S | 10/9/2018 13:55 | 20.21 | C | Temperature |
| MR-AP-MW-7S | 10/9/2018 13:55 | 1.91 | NTU | Turbidity |
| MR-AP-MW-7S | 10/9/2018 14:00 | 856 | uS/cm | Conductivity |
| MR-AP-MW-7S | 10/9/2018 14:00 | 15 | ft | Depth to Water Detail |
| MR-AP-MW-7S | 10/9/2018 14:00 | 0.15 | mg/L | DO |
| MR-AP-MW-7S | 10/9/2018 14:00 | -58.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-7S | 10/9/2018 14:00 | 6.56 | pH | pH |
| MR-AP-MW-7S | 10/9/2018 14:00 | 20.21 | C | Temperature |
| MR-AP-MW-7S | 10/9/2018 14:00 | 1.8 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-8D | 10/9/2018 11:22 | 1003.3 | uS/cm | Conductivity |
| MR-AP-MW-8D | 10/9/2018 11:22 | 44.93 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 10/9/2018 11:22 | 0.42 | mg/L | DO |
| MR-AP-MW-8D | 10/9/2018 11:22 | -23.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 10/9/2018 11:22 | 6.37 | pH | pH |
| MR-AP-MW-8D | 10/9/2018 11:22 | 20.66 | C | Temperature |
| MR-AP-MW-8D | 10/9/2018 11:22 | 2.07 | NTU | Turbidity |
| MR-AP-MW-8D | 10/9/2018 11:27 | 1009.1 | uS/cm | Conductivity |
| MR-AP-MW-8D | 10/9/2018 11:27 | 45.16 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 10/9/2018 11:27 | 0.32 | mg/L | DO |
| MR-AP-MW-8D | 10/9/2018 11:27 | -12.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 10/9/2018 11:27 | 6.36 | pH | pH |
| MR-AP-MW-8D | 10/9/2018 11:27 | 20.25 | C | Temperature |
| MR-AP-MW-8D | 10/9/2018 11:27 | 2.67 | NTU | Turbidity |
| MR-AP-MW-8D | 10/9/2018 11:32 | 1017.8 | uS/cm | Conductivity |
| MR-AP-MW-8D | 10/9/2018 11:32 | 45.28 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 10/9/2018 11:32 | 0.29 | mg/L | DO |
| MR-AP-MW-8D | 10/9/2018 11:32 | -4.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 10/9/2018 11:32 | 6.31 | pH | pH |
| MR-AP-MW-8D | 10/9/2018 11:32 | 20.08 | C | Temperature |
| MR-AP-MW-8D | 10/9/2018 11:32 | 2.91 | NTU | Turbidity |
| MR-AP-MW-8D | 10/9/2018 11:37 | 1022.7 | uS/cm | Conductivity |
| MR-AP-MW-8D | 10/9/2018 11:37 | 45.33 | ft | Depth to Water Detail |
| MR-AP-MW-8D | 10/9/2018 11:37 | 0.28 | mg/L | DO |
| MR-AP-MW-8D | 10/9/2018 11:37 | 2.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8D | 10/9/2018 11:37 | 6.26 | pH | pH |
| MR-AP-MW-8D | 10/9/2018 11:37 | 20.13 | C | Temperature |
| MR-AP-MW-8D | 10/9/2018 11:37 | 2.81 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-8S | 10/9/2018 12:29 | 1084.1 | uS/cm | Conductivity |
| MR-AP-MW-8S | 10/9/2018 12:29 | 39.25 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 10/9/2018 12:29 | 0.2 | mg/L | DO |
| MR-AP-MW-8S | 10/9/2018 12:29 | 14.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 10/9/2018 12:29 | 6.82 | pH | pH |
| MR-AP-MW-8S | 10/9/2018 12:29 | 19.29 | C | Temperature |
| MR-AP-MW-8S | 10/9/2018 12:29 | 1.12 | NTU | Turbidity |
| MR-AP-MW-8S | 10/9/2018 12:34 | 1086.3 | uS/cm | Conductivity |
| MR-AP-MW-8S | 10/9/2018 12:34 | 39.25 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 10/9/2018 12:34 | 0.17 | mg/L | DO |
| MR-AP-MW-8S | 10/9/2018 12:34 | 22.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 10/9/2018 12:34 | 6.82 | pH | pH |
| MR-AP-MW-8S | 10/9/2018 12:34 | 19.23 | C | Temperature |
| MR-AP-MW-8S | 10/9/2018 12:34 | 1.17 | NTU | Turbidity |
| MR-AP-MW-8S | 10/9/2018 12:39 | 1090.3 | uS/cm | Conductivity |
| MR-AP-MW-8S | 10/9/2018 12:39 | 39.27 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 10/9/2018 12:39 | 0.15 | mg/L | DO |
| MR-AP-MW-8S | 10/9/2018 12:39 | 24.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 10/9/2018 12:39 | 6.82 | pH | pH |
| MR-AP-MW-8S | 10/9/2018 12:39 | 19.22 | C | Temperature |
| MR-AP-MW-8S | 10/9/2018 12:39 | 0.7 | NTU | Turbidity |
| MR-AP-MW-8S | 10/9/2018 12:44 | 1094.2 | uS/cm | Conductivity |
| MR-AP-MW-8S | 10/9/2018 12:44 | 39.29 | ft | Depth to Water Detail |
| MR-AP-MW-8S | 10/9/2018 12:44 | 0.29 | mg/L | DO |
| MR-AP-MW-8S | 10/9/2018 12:44 | 25.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-8S | 10/9/2018 12:44 | 6.82 | pH | pH |
| MR-AP-MW-8S | 10/9/2018 12:44 | 19.24 | C | Temperature |
| MR-AP-MW-8S | 10/9/2018 12:44 | 0.5 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-9D | 10/9/2018 10:16 | 1021.1 | uS/cm | Conductivity |
| MR-AP-MW-9D | 10/9/2018 10:16 | 37.1 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 10/9/2018 10:16 | 0.28 | mg/L | DO |
| MR-AP-MW-9D | 10/9/2018 10:16 | -74.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 10/9/2018 10:16 | 5.7 | pH | pH |
| MR-AP-MW-9D | 10/9/2018 10:16 | 19.99 | C | Temperature |
| MR-AP-MW-9D | 10/9/2018 10:16 | 0.44 | NTU | Turbidity |
| MR-AP-MW-9D | 10/9/2018 10:21 | 1024 | uS/cm | Conductivity |
| MR-AP-MW-9D | 10/9/2018 10:21 | 37.11 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 10/9/2018 10:21 | 0.24 | mg/L | DO |
| MR-AP-MW-9D | 10/9/2018 10:21 | -46.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 10/9/2018 10:21 | 5.7 | pH | pH |
| MR-AP-MW-9D | 10/9/2018 10:21 | 19.8 | C | Temperature |
| MR-AP-MW-9D | 10/9/2018 10:21 | 0.33 | NTU | Turbidity |
| MR-AP-MW-9D | 10/9/2018 10:26 | 1023.6 | uS/cm | Conductivity |
| MR-AP-MW-9D | 10/9/2018 10:26 | 37.12 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 10/9/2018 10:26 | 0.23 | mg/L | DO |
| MR-AP-MW-9D | 10/9/2018 10:26 | -29.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 10/9/2018 10:26 | 5.71 | pH | pH |
| MR-AP-MW-9D | 10/9/2018 10:26 | 19.83 | C | Temperature |
| MR-AP-MW-9D | 10/9/2018 10:26 | 0.28 | NTU | Turbidity |
| MR-AP-MW-9D | 10/9/2018 10:31 | 1022.8 | uS/cm | Conductivity |
| MR-AP-MW-9D | 10/9/2018 10:31 | 37.13 | ft | Depth to Water Detail |
| MR-AP-MW-9D | 10/9/2018 10:31 | 0.22 | mg/L | DO |
| MR-AP-MW-9D | 10/9/2018 10:31 | -19.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9D | 10/9/2018 10:31 | 5.71 | pH | pH |
| MR-AP-MW-9D | 10/9/2018 10:31 | 19.63 | C | Temperature |
| MR-AP-MW-9D | 10/9/2018 10:31 | 0.21 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-9S | 10/9/2018 8:26 | 761.4 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:26 | 31.72 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:26 | 1.73 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:26 | 142.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:26 | 5.83 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 8:26 | 19.28 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:26 | 0.37 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 8:31 | 767.2 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:31 | 32.61 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:31 | 1.58 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:31 | 133.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:31 | 5.83 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 8:31 | 19.29 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:31 | 0.25 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 8:36 | 804.8 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:36 | 32.95 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:36 | 1.41 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:36 | 129.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:36 | 5.81 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 8:36 | 19.26 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:36 | 0.23 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 8:41 | 828.5 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:41 | 33.41 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:41 | 1.18 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:41 | 127.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:41 | 5.79 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 8:41 | 19.24 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:41 | 0.26 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 8:46 | 846.2 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:46 | 33.51 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:46 | 1.11 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:46 | 125.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:46 | 5.78 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 8:46 | 19.22 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:46 | 0.34 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 8:51 | 870.1 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:51 | 33.8 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:51 | 1 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:51 | 123.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:51 | 5.76 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 8:51 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:51 | 0.35 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 8:56 | 868.6 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 8:56 | 34 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 8:56 | 0.94 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 8:56 | 121.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 8:56 | 5.76 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-9S | 10/9/2018 8:56 | 19.22 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 8:56 | 0.37 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 9:01 | 860.1 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 9:01 | 34.25 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 9:01 | 0.96 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 9:01 | 119.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 9:01 | 5.77 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 9:01 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 9:01 | 0.37 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 9:06 | 848.8 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 9:06 | 34.69 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 9:06 | 0.89 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 9:06 | 118.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 9:06 | 5.77 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 9:06 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 9:06 | 0.44 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 9:11 | 834 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 9:11 | 34.89 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 9:11 | 0.88 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 9:11 | 117.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 9:11 | 5.76 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 9:11 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 9:11 | 0.6 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 9:16 | 829.7 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 9:16 | 35.09 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 9:16 | 1 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 9:16 | 116.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 9:16 | 5.78 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 9:16 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 9:16 | 0.75 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 9:21 | 837.8 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 9:21 | 35.21 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 9:21 | 0.95 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 9:21 | 114.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 9:21 | 5.77 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 9:21 | 19.17 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 9:21 | 0.65 | NTU | Turbidity |
| MR-AP-MW-9S | 10/9/2018 9:26 | 846.6 | uS/cm | Conductivity |
| MR-AP-MW-9S | 10/9/2018 9:26 | 35.29 | ft | Depth to Water Detail |
| MR-AP-MW-9S | 10/9/2018 9:26 | 0.87 | mg/L | DO |
| MR-AP-MW-9S | 10/9/2018 9:26 | 113.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-9S | 10/9/2018 9:26 | 5.76 | pH | pH |
| MR-AP-MW-9S | 10/9/2018 9:26 | 19.19 | C | Temperature |
| MR-AP-MW-9S | 10/9/2018 9:26 | 0.56 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-10 | 10/8/2018 13:06 | 1994.1 | uS/cm | Conductivity |
| MR-AP-MW-10 | 10/8/2018 13:06 | 126.68 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 10/8/2018 13:06 | 0.31 | mg/L | DO |
| MR-AP-MW-10 | 10/8/2018 13:06 | -76.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 10/8/2018 13:06 | 6.86 | pH | pH |
| MR-AP-MW-10 | 10/8/2018 13:06 | 18.72 | C | Temperature |
| MR-AP-MW-10 | 10/8/2018 13:06 | 0.45 | NTU | Turbidity |
| MR-AP-MW-10 | 10/8/2018 13:11 | 1997.9 | uS/cm | Conductivity |
| MR-AP-MW-10 | 10/8/2018 13:11 | 126.68 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 10/8/2018 13:11 | 0.26 | mg/L | DO |
| MR-AP-MW-10 | 10/8/2018 13:11 | -75.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 10/8/2018 13:11 | 6.86 | pH | pH |
| MR-AP-MW-10 | 10/8/2018 13:11 | 18.59 | C | Temperature |
| MR-AP-MW-10 | 10/8/2018 13:11 | 0.21 | NTU | Turbidity |
| MR-AP-MW-10 | 10/8/2018 13:16 | 1990.6 | uS/cm | Conductivity |
| MR-AP-MW-10 | 10/8/2018 13:16 | 126.68 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 10/8/2018 13:16 | 0.26 | mg/L | DO |
| MR-AP-MW-10 | 10/8/2018 13:16 | -73.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 10/8/2018 13:16 | 6.86 | pH | pH |
| MR-AP-MW-10 | 10/8/2018 13:16 | 18.7 | C | Temperature |
| MR-AP-MW-10 | 10/8/2018 13:16 | 0.19 | NTU | Turbidity |
| MR-AP-MW-10 | 10/8/2018 13:21 | 1966.7 | uS/cm | Conductivity |
| MR-AP-MW-10 | 10/8/2018 13:21 | 126.69 | ft | Depth to Water Detail |
| MR-AP-MW-10 | 10/8/2018 13:21 | 0.26 | mg/L | DO |
| MR-AP-MW-10 | 10/8/2018 13:21 | -71.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-10 | 10/8/2018 13:21 | 6.86 | pH | pH |
| MR-AP-MW-10 | 10/8/2018 13:21 | 18.77 | C | Temperature |
| MR-AP-MW-10 | 10/8/2018 13:21 | 0.24 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 10/9/2018 13:53 | 1431.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 13:53 | 229.25 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 13:53 | 2.62 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 13:53 | -54.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 13:53 | 7.44 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 13:53 | 21.43 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 13:53 | 3.08 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 13:58 | 1445.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 13:58 | 229.65 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 13:58 | 0.98 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 13:58 | -28.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 13:58 | 7.05 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 13:58 | 21 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 13:58 | 3.08 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:03 | 1461.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:03 | 230.02 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:03 | 0.49 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:03 | -12.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:03 | 6.8 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:03 | 20.78 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:03 | 4.12 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:08 | 1462.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:08 | 230.52 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:08 | 0.35 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:08 | -10.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:08 | 6.69 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:08 | 20.46 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:08 | 4.62 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:13 | 1460.9 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:13 | 230.94 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:13 | 0.3 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:13 | -5.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:13 | 6.64 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:13 | 20.49 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:13 | 1.85 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:18 | 1448 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:18 | 231.3 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:18 | 0.29 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:18 | -0.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:18 | 6.6 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:18 | 20.62 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:18 | 2.37 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:23 | 1449 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:23 | 231.59 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:23 | 0.28 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:23 | 5.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:23 | 6.58 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 10/9/2018 14:23 | 20.42 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:23 | 1.5 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:28 | 1439.9 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:28 | 231.89 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:28 | 0.27 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:28 | 10 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:28 | 6.57 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:28 | 20.24 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:28 | 1.2 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:33 | 1436.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:33 | 232.24 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:33 | 0.26 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:33 | 15.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:33 | 6.56 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:33 | 20.32 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:33 | 1.22 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:38 | 1426.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:38 | 232.54 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:38 | 0.25 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:38 | 18.2 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:38 | 6.55 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:38 | 20.38 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:38 | 1.04 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:43 | 1419.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:43 | 232.75 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:43 | 0.24 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:43 | 21.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:43 | 6.55 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:43 | 20.53 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:43 | 1.28 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:48 | 1397.6 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:48 | 233.06 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:48 | 0.23 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:48 | 23.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:48 | 6.55 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:48 | 21.18 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:48 | 1.19 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:53 | 1379.5 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:53 | 233.25 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:53 | 0.22 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 14:53 | 26.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-11 | 10/9/2018 14:53 | 6.55 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:53 | 21.26 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:53 | 1.56 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 14:58 | 1350.9 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 14:58 | 233.49 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 14:58 | 0.24 | mg/L | DO |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-11 | 10/9/2018 14:58 | 25.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 10/9/2018 14:58 | 6.64 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 14:58 | 21.14 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 14:58 | 4.32 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 15:03 | 1323.8 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 15:03 | 233.71 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 15:03 | 0.3 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 15:03 | -0.7 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 10/9/2018 15:03 | 6.83 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 15:03 | 20.67 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 15:03 | 6.36 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 15:08 | 1311.9 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 15:08 | 233.85 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 15:08 | 0.35 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 15:08 | -39.6 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 10/9/2018 15:08 | 7.06 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 15:08 | 20.65 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 15:08 | 6.97 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 15:14 | 1294.9 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 15:14 | 233.98 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 15:14 | 0.36 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 15:14 | -60.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 10/9/2018 15:14 | 7.22 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 15:14 | 20.57 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 15:14 | 7.02 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 15:19 | 1295.3 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 15:19 | 234.09 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 15:19 | 0.35 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 15:19 | -64.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 10/9/2018 15:19 | 7.31 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 15:19 | 20.42 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 15:19 | 6.72 | NTU | Turbidity |
| MR-AP-MW-11 | 10/9/2018 15:24 | 1287.7 | uS/cm | Conductivity |
| MR-AP-MW-11 | 10/9/2018 15:24 | 234.22 | ft | Depth to Water Detail |
| MR-AP-MW-11 | 10/9/2018 15:24 | 0.35 | mg/L | DO |
| MR-AP-MW-11 | 10/9/2018 15:24 | -56.9 | mv | Oxidation Reduction Potention |
| MR-AP-MW-11 | 10/9/2018 15:24 | 7.3 | pH | pH |
| MR-AP-MW-11 | 10/9/2018 15:24 | 20.48 | C | Temperature |
| MR-AP-MW-11 | 10/9/2018 15:24 | 6.2 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-12 | 10/8/2018 16:40 | 3273.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 16:40 | 90.1 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 16:40 | 0.38 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 16:40 | -11.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 16:40 | 6.52 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 16:40 | 20.95 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 16:40 | 4.59 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 16:45 | 2862 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 16:45 | 90.98 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 16:45 | 0.24 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 16:45 | -12.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 16:45 | 6.5 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 16:45 | 20.9 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 16:45 | 1.86 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 16:50 | 2808.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 16:50 | 91.55 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 16:50 | 0.22 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 16:50 | -17.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 16:50 | 6.51 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 16:50 | 20.89 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 16:50 | 1.28 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 16:55 | 2911 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 16:55 | 91.9 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 16:55 | 0.22 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 16:55 | -20.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 16:55 | 6.52 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 16:55 | 20.86 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 16:55 | 0.88 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 17:00 | 3017.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 17:00 | 92.15 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 17:00 | 0.22 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 17:00 | -22 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 17:00 | 6.52 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 17:00 | 20.84 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 17:00 | 0.7 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 17:05 | 3093.5 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 17:05 | 92.43 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 17:05 | 0.23 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 17:05 | -22.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 17:05 | 6.52 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 17:05 | 20.84 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 17:05 | 0.86 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 17:10 | 3158.3 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 17:10 | 92.55 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 17:10 | 0.23 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 17:10 | -23 | mv | Oxidation Reduction Potential |
| MR-AP-MW-12 | 10/8/2018 17:10 | 6.52 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-12 | 10/8/2018 17:10 | 20.79 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 17:10 | 0.73 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 17:16 | 3201.4 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 17:16 | 92.68 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 17:16 | 0.24 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 17:16 | -23.2 | mv | Oxidation Reduction Potention |
| MR-AP-MW-12 | 10/8/2018 17:16 | 6.52 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 17:16 | 20.78 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 17:16 | 0.76 | NTU | Turbidity |
| MR-AP-MW-12 | 10/8/2018 17:21 | 3232.1 | uS/cm | Conductivity |
| MR-AP-MW-12 | 10/8/2018 17:21 | 92.75 | ft | Depth to Water Detail |
| MR-AP-MW-12 | 10/8/2018 17:21 | 0.24 | mg/L | DO |
| MR-AP-MW-12 | 10/8/2018 17:21 | -23.3 | mv | Oxidation Reduction Potention |
| MR-AP-MW-12 | 10/8/2018 17:21 | 6.51 | pH | pH |
| MR-AP-MW-12 | 10/8/2018 17:21 | 20.77 | C | Temperature |
| MR-AP-MW-12 | 10/8/2018 17:21 | 0.55 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|--------------|----------------|-------|-------|-------------------------------|
| MR-AP-MW-13D | 10/9/2018 7:57 | 468.8 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 7:57 | 43.29 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 7:57 | 0.37 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 7:57 | -75.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 7:57 | 6.62 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 7:57 | 18.87 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 7:57 | 93.6 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:02 | 468 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:02 | 43.65 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:02 | 0.25 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:02 | -78 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 8:02 | 6.65 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 8:02 | 18.84 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:02 | 56.9 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:07 | 468.2 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:07 | 44 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:07 | 0.2 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:07 | -74 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 8:07 | 6.69 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 8:07 | 18.75 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:07 | 54.9 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:12 | 468 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:12 | 44.25 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:12 | 0.19 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:12 | -74.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 8:12 | 6.69 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 8:12 | 18.66 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:12 | 8.62 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:17 | 467.9 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:17 | 44.4 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:17 | 0.19 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:17 | -73.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 8:17 | 6.7 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 8:17 | 18.64 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:17 | 6.11 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:22 | 467.7 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:22 | 44.49 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:22 | 0.19 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:22 | -72.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 8:22 | 6.71 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 8:22 | 18.61 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:22 | 5.82 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:28 | 467.3 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:28 | 44.6 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:28 | 0.19 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:28 | -71.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13D | 10/9/2018 8:28 | 6.72 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-13D | 10/9/2018 8:28 | 18.61 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:28 | 5.04 | NTU | Turbidity |
| MR-AP-MW-13D | 10/9/2018 8:33 | 466.7 | uS/cm | Conductivity |
| MR-AP-MW-13D | 10/9/2018 8:33 | 44.64 | ft | Depth to Water Detail |
| MR-AP-MW-13D | 10/9/2018 8:33 | 0.19 | mg/L | DO |
| MR-AP-MW-13D | 10/9/2018 8:33 | -70.5 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13D | 10/9/2018 8:33 | 6.72 | pH | pH |
| MR-AP-MW-13D | 10/9/2018 8:33 | 18.61 | C | Temperature |
| MR-AP-MW-13D | 10/9/2018 8:33 | 1.26 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|--------------|-----------------|-------|-------|-------------------------------|
| MR-AP-MW-13S | 10/9/2018 10:04 | 410.6 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:04 | 16.9 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:04 | 0.13 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:04 | 25.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:04 | 5.67 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:04 | 18.83 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:04 | 32.2 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:09 | 413.4 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:09 | 17.13 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:09 | 0.11 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:09 | 25.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:09 | 5.66 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:09 | 18.86 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:09 | 22.7 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:14 | 410.4 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:14 | 17.25 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:14 | 0.1 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:14 | 25.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:14 | 5.65 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:14 | 18.89 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:14 | 14 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:19 | 410.1 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:19 | 17.35 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:19 | 0.1 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:19 | 25.3 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:19 | 5.64 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:19 | 18.88 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:19 | 11.34 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:24 | 411.1 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:24 | 17.42 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:24 | 0.09 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:24 | 25.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:24 | 5.64 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:24 | 19 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:24 | 7.32 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:29 | 407.2 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:29 | 17.48 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:29 | 0.09 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:29 | 26.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:29 | 5.64 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:29 | 19.01 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:29 | 6.04 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:34 | 411.1 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:34 | 17.58 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:34 | 0.1 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:34 | 29.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-13S | 10/9/2018 10:34 | 5.64 | pH | pH |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-13S | 10/9/2018 10:34 | 18.96 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:34 | 5.77 | NTU | Turbidity |
| MR-AP-MW-13S | 10/9/2018 10:40 | 409.9 | uS/cm | Conductivity |
| MR-AP-MW-13S | 10/9/2018 10:40 | 17.64 | ft | Depth to Water Detail |
| MR-AP-MW-13S | 10/9/2018 10:40 | 0.09 | mg/L | DO |
| MR-AP-MW-13S | 10/9/2018 10:40 | 32.1 | mv | Oxidation Reduction Potention |
| MR-AP-MW-13S | 10/9/2018 10:40 | 5.64 | pH | pH |
| MR-AP-MW-13S | 10/9/2018 10:40 | 18.97 | C | Temperature |
| MR-AP-MW-13S | 10/9/2018 10:40 | 5.33 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|----------------|---------------------|--------------|-------------|-------------------------------|
| MR-AP-MW-14 | 10/9/2018 11:57 | 333.8 | uS/cm | Conductivity |
| MR-AP-MW-14 | 10/9/2018 11:57 | 21.75 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 10/9/2018 11:57 | 0.13 | mg/L | DO |
| MR-AP-MW-14 | 10/9/2018 11:57 | -16.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 10/9/2018 11:57 | 6.38 | pH | pH |
| MR-AP-MW-14 | 10/9/2018 11:57 | 19.15 | C | Temperature |
| MR-AP-MW-14 | 10/9/2018 11:57 | 5.83 | NTU | Turbidity |
| MR-AP-MW-14 | 10/9/2018 12:02 | 332.9 | uS/cm | Conductivity |
| MR-AP-MW-14 | 10/9/2018 12:02 | 21.84 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 10/9/2018 12:02 | 0.12 | mg/L | DO |
| MR-AP-MW-14 | 10/9/2018 12:02 | -16.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 10/9/2018 12:02 | 6.39 | pH | pH |
| MR-AP-MW-14 | 10/9/2018 12:02 | 19.06 | C | Temperature |
| MR-AP-MW-14 | 10/9/2018 12:02 | 4.23 | NTU | Turbidity |
| MR-AP-MW-14 | 10/9/2018 12:07 | 331.2 | uS/cm | Conductivity |
| MR-AP-MW-14 | 10/9/2018 12:07 | 21.92 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 10/9/2018 12:07 | 0.11 | mg/L | DO |
| MR-AP-MW-14 | 10/9/2018 12:07 | -17.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 10/9/2018 12:07 | 6.4 | pH | pH |
| MR-AP-MW-14 | 10/9/2018 12:07 | 19.01 | C | Temperature |
| MR-AP-MW-14 | 10/9/2018 12:07 | 1.93 | NTU | Turbidity |
| MR-AP-MW-14 | 10/9/2018 12:12 | 330.8 | uS/cm | Conductivity |
| MR-AP-MW-14 | 10/9/2018 12:12 | 21.95 | ft | Depth to Water Detail |
| MR-AP-MW-14 | 10/9/2018 12:12 | 0.11 | mg/L | DO |
| MR-AP-MW-14 | 10/9/2018 12:12 | -18.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-14 | 10/9/2018 12:12 | 6.41 | pH | pH |
| MR-AP-MW-14 | 10/9/2018 12:12 | 19 | C | Temperature |
| MR-AP-MW-14 | 10/9/2018 12:12 | 2.21 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|-------|-------|-------------------------------|
| MR-AP-MW-15 | 10/9/2018 12:50 | 383.5 | uS/cm | Conductivity |
| MR-AP-MW-15 | 10/9/2018 12:50 | 14.5 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 10/9/2018 12:50 | 0.11 | mg/L | DO |
| MR-AP-MW-15 | 10/9/2018 12:50 | -43.8 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 10/9/2018 12:50 | 6.45 | pH | pH |
| MR-AP-MW-15 | 10/9/2018 12:50 | 20.37 | C | Temperature |
| MR-AP-MW-15 | 10/9/2018 12:50 | 7.9 | NTU | Turbidity |
| MR-AP-MW-15 | 10/9/2018 12:55 | 377.1 | uS/cm | Conductivity |
| MR-AP-MW-15 | 10/9/2018 12:55 | 14.62 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 10/9/2018 12:55 | 0.09 | mg/L | DO |
| MR-AP-MW-15 | 10/9/2018 12:55 | -47.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 10/9/2018 12:55 | 6.46 | pH | pH |
| MR-AP-MW-15 | 10/9/2018 12:55 | 20.22 | C | Temperature |
| MR-AP-MW-15 | 10/9/2018 12:55 | 9.51 | NTU | Turbidity |
| MR-AP-MW-15 | 10/9/2018 13:00 | 374.7 | uS/cm | Conductivity |
| MR-AP-MW-15 | 10/9/2018 13:00 | 14.7 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 10/9/2018 13:00 | 0.08 | mg/L | DO |
| MR-AP-MW-15 | 10/9/2018 13:00 | -48.7 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 10/9/2018 13:00 | 6.46 | pH | pH |
| MR-AP-MW-15 | 10/9/2018 13:00 | 20.12 | C | Temperature |
| MR-AP-MW-15 | 10/9/2018 13:00 | 13.9 | NTU | Turbidity |
| MR-AP-MW-15 | 10/9/2018 13:05 | 370.7 | uS/cm | Conductivity |
| MR-AP-MW-15 | 10/9/2018 13:05 | 14.7 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 10/9/2018 13:05 | 0.08 | mg/L | DO |
| MR-AP-MW-15 | 10/9/2018 13:05 | -49.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 10/9/2018 13:05 | 6.46 | pH | pH |
| MR-AP-MW-15 | 10/9/2018 13:05 | 20.16 | C | Temperature |
| MR-AP-MW-15 | 10/9/2018 13:05 | 7.39 | NTU | Turbidity |
| MR-AP-MW-15 | 10/9/2018 13:10 | 372 | uS/cm | Conductivity |
| MR-AP-MW-15 | 10/9/2018 13:10 | 14.7 | ft | Depth to Water Detail |
| MR-AP-MW-15 | 10/9/2018 13:10 | 0.08 | mg/L | DO |
| MR-AP-MW-15 | 10/9/2018 13:10 | -48.9 | mv | Oxidation Reduction Potential |
| MR-AP-MW-15 | 10/9/2018 13:10 | 6.46 | pH | pH |
| MR-AP-MW-15 | 10/9/2018 13:10 | 20.11 | C | Temperature |
| MR-AP-MW-15 | 10/9/2018 13:10 | 4.75 | NTU | Turbidity |

**Alabama Power Company
Plant Miller Ash Pond**

| Well ID | Reading Time | Value | Unit | Description |
|-------------|-----------------|--------|-------|-------------------------------|
| MR-AP-MW-16 | 10/9/2018 13:49 | 1254.8 | uS/cm | Conductivity |
| MR-AP-MW-16 | 10/9/2018 13:49 | 29.75 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 10/9/2018 13:49 | 2.27 | mg/L | DO |
| MR-AP-MW-16 | 10/9/2018 13:49 | 170.1 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 10/9/2018 13:49 | 6.01 | pH | pH |
| MR-AP-MW-16 | 10/9/2018 13:49 | 20.7 | C | Temperature |
| MR-AP-MW-16 | 10/9/2018 13:49 | 1.16 | NTU | Turbidity |
| MR-AP-MW-16 | 10/9/2018 13:54 | 1258.4 | uS/cm | Conductivity |
| MR-AP-MW-16 | 10/9/2018 13:54 | 29.75 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 10/9/2018 13:54 | 2.21 | mg/L | DO |
| MR-AP-MW-16 | 10/9/2018 13:54 | 203.4 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 10/9/2018 13:54 | 6.01 | pH | pH |
| MR-AP-MW-16 | 10/9/2018 13:54 | 20.66 | C | Temperature |
| MR-AP-MW-16 | 10/9/2018 13:54 | 0.7 | NTU | Turbidity |
| MR-AP-MW-16 | 10/9/2018 13:59 | 1267.3 | uS/cm | Conductivity |
| MR-AP-MW-16 | 10/9/2018 13:59 | 29.75 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 10/9/2018 13:59 | 2.14 | mg/L | DO |
| MR-AP-MW-16 | 10/9/2018 13:59 | 202.5 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 10/9/2018 13:59 | 6 | pH | pH |
| MR-AP-MW-16 | 10/9/2018 13:59 | 20.59 | C | Temperature |
| MR-AP-MW-16 | 10/9/2018 13:59 | 1.15 | NTU | Turbidity |
| MR-AP-MW-16 | 10/9/2018 14:04 | 1282.6 | uS/cm | Conductivity |
| MR-AP-MW-16 | 10/9/2018 14:04 | 29.75 | ft | Depth to Water Detail |
| MR-AP-MW-16 | 10/9/2018 14:04 | 2.05 | mg/L | DO |
| MR-AP-MW-16 | 10/9/2018 14:04 | 204.6 | mv | Oxidation Reduction Potential |
| MR-AP-MW-16 | 10/9/2018 14:04 | 6 | pH | pH |
| MR-AP-MW-16 | 10/9/2018 14:04 | 20.53 | C | Temperature |
| MR-AP-MW-16 | 10/9/2018 14:04 | 1.13 | NTU | Turbidity |

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Field Case Narrative



Miller Ash Pond

Alternate Source Sampling Event 1

All samples were collected using methods defined in Alabama Power's Water Field Group Low-Flow Groundwater Sampling Procedure and the associated site-specific Sampling and Analysis Plan (SAP).

Suspected iron bacteria present in MW-7S as water was very red when pumping was initiated.

Field quality control procedures were performed as follows:

- Blanks and Sample Duplicates were collected as described in the SAP.
- Calibration verification for all required field parameters were performed daily, before and after sample collection.

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654


Analytical Report




Sample Group : WMWMILAP_1140
Project/Site : Miller Ash Pond
Quinton, AL 35130
For : Southern Company Services
3535 Colonnade Parkway
Birmingham, AL 35243
Attention : Dustin Brooks & Greg Dyer
Released By : Sarah Copeland
sgcopela@southernco.com
(205) 664-6121

The following data has been reviewed and approved by:

Quality Control: Sarah
Copeland

 Digitally signed by Sarah Copeland
DN: cn=Sarah Copeland, o, ou,
email=sgcopela@southernco.com,
c=US
Date: 2018.04.17 13:48:00 -05'00'

Supervision: T. Durant
Maske

 Digitally signed by T. Durant Maske
DN: cn=T. Durant Maske, o=Alabama
Power Company, ou=Environmental
Affairs, email=tdmaske@southernco.com,
c=US
Date: 2018.04.17 13:59:56 -05'00'



Metals ICP

Miller Ash Pond

WMWMILAP_1140

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|------------------------|-------------------|
| AY07665 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07666 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07667 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07668 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07669 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07670 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07671 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07672 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07673 | 20180406 | WMWMILAP_1140 |
| AY07674 | 20180406 & 20180406K | WMWMILAP_1140 |
| AY07675 | 20180406A & 20180406AK | WMWMILAP_1140 |
| AY07676 | 20180406A & 20180406AK | WMWMILAP_1140 |
| AY07677 | 20180406A | WMWMILAP_1140 |
| AY07678 | 20180406A | WMWMILAP_1140 |
| AY07679 | 20180406A | WMWMILAP_1140 |
| AY07680 | 20180406A | WMWMILAP_1140 |
| AY07681 | 20180406A & 20180406AK | WMWMILAP_1140 |
| AY07682 | 20180406A & 20180406AK | WMWMILAP_1140 |
| AY07683 | 20180406A & 20180406AK | WMWMILAP_1140 |
| AY07684 | 20180406A & 20180406AK | WMWMILAP_1140 |
| AY07685 | 20180406B & 20180406BK | WMWMILAP_1140 |
| AY07686 | 20180406B & 20180406BK | WMWMILAP_1140 |
| AY07687 | 20180406B | WMWMILAP_1140 |
| AY07688 | 20180406B & 20180406BK | WMWMILAP_1140 |
| AY07689 | 20180406B | WMWMILAP_1140 |
| AY07690 | 20180406B | WMWMILAP_1140 |
| AY07691 | 20180406B | WMWMILAP_1140 |
| AY07692 | 20180406B | WMWMILAP_1140 |
| AY07693 | 20180406B & 20180406BK | WMWMILAP_1140 |
| AY07694 | 20180406B & 20180406BK | WMWMILAP_1140 |
| AY07695 | 20180406C | WMWMILAP_1140 |
| AY07696 | 20180406C | WMWMILAP_1140 |



4. All of the above samples were analyzed by EPA 200.7 and prepared by EPA 1638.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and passed.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The spectral interference check associated with EPA 200.7 was analyzed and all acceptance criteria were met.
- All sample internal standard criteria were met.
- The high standard readbacks associated with EPA 200.7 were within acceptance criteria.
- It is noted that the QC summary page typically provides the QC results from the original batch analytical sequence. If dilutions were subsequently performed to bring sample concentrations within the calibration range, any additional QC data from the dilution analyses may need to be obtained from the laboratory. Any qualifications applied to original analyses or dilution re-analyses are based upon QC data available at the time of review.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for accuracy were met, except for:

| <u>Analyte</u> | <u>Sample ID</u> |
|----------------|------------------|
| Calcium | AY07684 |
| Calcium | AY07694 |
| Calcium | AY07696 |

The concentrations of the sample matrix spike/matrix spike duplicate added before digestion is less than 30 percent of the sample concentration, causing inaccurate spike recovery information. The laboratory control sample indicates that the digestion and analysis were in control.



- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.
7. All samples were analyzed at a x2.03 dilution to compensate for potential matrix effects. The following samples were diluted due to analyzed sample concentration over the high standard of the calibration curve.

| <u>Sample ID</u> | <u>Analyte</u> | <u>Dilution Factor</u> |
|------------------|----------------|------------------------|
| AY07665 | Calcium | x10.15 |
| AY07665 | Sodium | x10.15 |
| AY07666 | Calcium | x10.15 |
| AY07666 | Magnesium | x10.15 |
| AY07666 | Sodium | x10.15 |
| AY07667 | Sodium | x10.15 |
| AY07668 | Calcium | x10.15 |
| AY07668 | Sodium | x10.15 |
| AY07669 | Calcium | x10.15 |
| AY07669 | Sodium | x10.15 |
| AY07670 | Calcium | x10.15 |
| AY07670 | Sodium | x10.15 |
| AY07671 | Sodium | x10.15 |
| AY07672 | Sodium | x10.15 |
| AY07674 | Sodium | x10.15 |
| AY07674MS | Sodium | x10.15 |
| AY07674MSD | Sodium | x10.15 |
| AY07675 | Calcium | x10.15 |
| AY07675 | Magnesium | x10.15 |
| AY07675 | Sodium | x10.15 |
| AY07676 | Calcium | x10.15 |
| AY07676 | Magnesium | x10.15 |
| AY07676 | Sodium | x101.5 |
| AY07681 | Calcium | x10.15 |
| AY07681 | Sodium | x10.15 |
| AY07682 | Sodium | x10.15 |
| AY07683 | Calcium | x10.15 |
| AY07684 | Calcium | x10.15 |
| AY07684MS | Calcium | x10.15 |
| AY07684MSD | Calcium | x10.15 |
| AY07685 | Calcium | x10.15 |
| AY07685 | Sodium | x10.15 |

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Case Narrative



| | | |
|------------|---------|--------|
| AY07686 | Calcium | x10.15 |
| AY07686 | Sodium | x10.15 |
| AY07688 | Calcium | x10.15 |
| AY07688 | Sodium | x10.15 |
| AY07693 | Calcium | x10.15 |
| AY07693 | Sodium | x10.15 |
| AY07694 | Calcium | x10.15 |
| AY07694MS | Calcium | x10.15 |
| AY07694MSD | Calcium | x10.15 |
| AY07695 | Calcium | x10.15 |
| AY07696 | Calcium | x10.15 |
| AY07696MS | Calcium | x10.15 |
| AY07696MSD | Calcium | x10.15 |

8. The raw data results include results corrected for dilution.



Metals ICPMS

Miller Ash Pond

WMWMILAP_1140

1. This report consists of all MWs and corresponding Lab IDs listed on the Chain of Custody.
2. Refer to comments on Chain of Custody for information regarding sample receipt.
3. All standards and solutions are NIST/ISO/IEC/Guide 34 traceable and were used within their recommended shelf life.

| <u>Sample ID</u> | <u>Batch ID</u> | <u>Project ID</u> |
|------------------|-----------------|-------------------|
| AY07665 | 616608 | WMWMILAP_1140 |
| AY07666 | 616608 | WMWMILAP_1140 |
| AY07667 | 616608 | WMWMILAP_1140 |
| AY07668 | 616608 | WMWMILAP_1140 |
| AY07669 | 616608 | WMWMILAP_1140 |
| AY07670 | 616608 | WMWMILAP_1140 |
| AY07671 | 616608 | WMWMILAP_1140 |
| AY07672 | 616608 | WMWMILAP_1140 |
| AY07673 | 616608 | WMWMILAP_1140 |
| AY07674 | 616608 | WMWMILAP_1140 |
| AY07675 | 616609 | WMWMILAP_1140 |
| AY07676 | 616609 | WMWMILAP_1140 |
| AY07677 | 616609 | WMWMILAP_1140 |
| AY07678 | 616609 | WMWMILAP_1140 |
| AY07679 | 616609 | WMWMILAP_1140 |
| AY07680 | 616609 | WMWMILAP_1140 |
| AY07681 | 616609 | WMWMILAP_1140 |
| AY07682 | 616609 | WMWMILAP_1140 |
| AY07683 | 616609 | WMWMILAP_1140 |
| AY07684 | 616609 | WMWMILAP_1140 |
| AY07685 | 616610 | WMWMILAP_1140 |
| AY07686 | 616610 | WMWMILAP_1140 |
| AY07687 | 616610 | WMWMILAP_1140 |
| AY07688 | 616610 | WMWMILAP_1140 |
| AY07689 | 616610 | WMWMILAP_1140 |
| AY07690 | 616610 | WMWMILAP_1140 |
| AY07691 | 616610 | WMWMILAP_1140 |
| AY07692 | 616610 | WMWMILAP_1140 |
| AY07693 | 616610 | WMWMILAP_1140 |
| AY07694 | 616610 | WMWMILAP_1140 |
| AY07695 | 616611 | WMWMILAP_1140 |
| AY07696 | 616611 | WMWMILAP_1140 |



4. All of the above samples were analyzed by EPA 200.8 and prepared by EPA 1638.
5. All samples were prepared and analyzed within the established hold times.
6. All in house quality control procedures were followed, as described below.

General Quality Control Procedures:

- All tune and calibration met criteria for all requested analytes.
- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- The interference check samples associated with EPA 200.8 were analyzed and passed for all requested analytes.
- All sample internal standard criteria were met.

Matrix Specific Quality Control Procedures:

Similarity of matrix and therefore relevance of matrix specific QC results should not be automatically inferred for any sample other than the sample selected for QC.

- A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for accuracy were met.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for precision were met.
7. All samples were analyzed at a dilution of 1 to 5 to compensate for any matrix effects.
 8. The raw data results are shown with dilution factors included.

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY07665

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 105 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 25.7 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 129 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 9.20 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 8.30 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 134 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 2.465 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 131.435 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY07665

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|----------------------------|---------------|---------|--------|-------|------|------|-------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | | |
| AY07673 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | 1.61 | 10 | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | | 117 | 70 to 130 | 2.70 | 20 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | | 102 | 70 to 130 | 0.858 | 20 |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | | 94.0 | 70 to 130 | 0.933 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY07665

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Prec |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-------|------|
| | | | | | | | Duplicate | LCS | | Limit | Prec |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY07666

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 250 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 136 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 161 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 4.45 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.16 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 34.2 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.005 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 34.195 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY07666

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|--|---------------------------|---------|--------|-------|------|------|-------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | | |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | 1.61 | 10 | | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | | 117 | 70 to 130 | 2.70 | 20 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY07666

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY07667

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 13.9 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 3.84 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 171 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 4.06 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 8.39 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 377 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 8.500 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 368.377 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY07667

| Sample | Analysis | Units | MB | | | | LCS | | Rec | | Prec | | | |
|---------|--|---------------------------|---------|--------|-------|------|------|-------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Limit | | |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | 1.61 | 10 | | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | | 117 | 70 to 130 | 2.70 | 20 |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY07667

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|--------|----------|-------|----|----|-------|-------|-----|--------|-----|-----|-------|-----|-----|------|------|-------|
| | | | | | | | | | | | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY07668

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 267 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 42.7 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 73.2 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 10.5 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 7.16 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 82.8 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.112 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 82.680 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY07668

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | |
|---------|--|---------------------------|---------|--------|------|------|-------|--------------|--------------|-------|-----------|-------|----|
| | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit | |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | | 1.61 | 10 |
| AY07673 | pH | SU | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | 117 | 70 to 130 | 2.70 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY07668

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY07669

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 154 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 26.4 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 50.8 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 7.74 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.30 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 41.0 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.008 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 40.991 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY07669

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|---------|--------|-------|------|------|-------|--------------|------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | 1.61 | 10 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | 117 | 70 to 130 | 2.70 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | 102 | 70 to 130 | 0.858 | 20 |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.933 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY07669

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-6 Dup

Laboratory ID Number: AY07670

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 147 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 26.5 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 48.2 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 7.77 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.33 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 40.9 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.008 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 40.891 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-6 Dup

Laboratory ID Number: AY07670

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | |
|---------|--|---------------------------|---------|--------|------|------|-------|--------------|--------------|-------|-----------|-------|----|
| | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit | |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | | 1.61 | 10 |
| AY07673 | pH | SU | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | 117 | 70 to 130 | 2.70 | 20 |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-6 Dup

Laboratory ID Number: AY07670

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY07671

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 54.4 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.0 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 74.6 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 3.23 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.97 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 137 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.120 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 136.875 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY07671

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|--|---------------------------|---------|--------|-------|------|------|-------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | | |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | 1.61 | 10 | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | | 117 | 70 to 130 | 2.70 | 20 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY07671

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY07672

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 52.2 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 57.0 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 65.1 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 2.80 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.46 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 72.7 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.020 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 72.679 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY07672

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|--|---------------------------|---------|--------|-------|------|------|-------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | | |
| AY07673 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | 1.61 | 10 | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | | 117 | 70 to 130 | 2.70 | 20 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY07672

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY07673

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 66.0 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 77.2 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 25.8 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 3.73 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/4/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.26 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/4/2018 | SM 2320 B | | 1 | 0.1 | | 43.1 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 0.007 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/4/2018 | SM 4500CO2 D | | 1 | | | 43.092 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY07673

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|----------------------------|---------------|---------|--------|-------|------|------|-------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | | |
| AY07673 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 43.8 | 49.64 | 45.0 to 55.0 | | | 1.61 | 10 | |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | | 117 | 70 to 130 | 2.70 | 20 |
| AY07673 | pH | SU | | | | | | 7.04 | 6.95 to 7.05 | | | | | |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | | 102 | 70 to 130 | 0.858 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY07673

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY07674

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 66.8 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 52.5 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 52.9 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.47 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.85 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 48.1 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.003 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 48.096 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY07674

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|---------|--------|-------|------|-------|-------|--------------|------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07674 | Sodium, Total | mg/L | -0.0147 | 0.22 | 5.00 | 58.7 | 57.1 | 5.10 | 4.25 to 5.75 | 117 | 70 to 130 | 2.70 | 20 |
| AY07674 | Magnesium, Total | mg/L | -0.0108 | 0.22 | 5.00 | 57.2 | 57.7 | 4.88 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.933 | 20 |
| AY07683 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |
| AY07674 | Calcium, Total | mg/L | -0.0843 | 0.22 | 5.00 | 71.0 | 72.0 | 4.85 | 4.25 to 5.75 | 84.0 | 70 to 130 | 1.38 | 20 |
| AY07674 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 12.7 | 12.8 | 10.2 | 8.5 to 11.5 | 102 | 70 to 130 | 0.858 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY07674

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY07675

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 166 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 79.5 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 57.6 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 4.30 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.70 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 202 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.095 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 201.902 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY07675

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|----------------------------|-------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07683 | Alkalinity, Total as CaCO3 | mg/L | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY07675

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY07676

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 177 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 93.6 | mg/L |
| * Sodium, Total | HRG | 4/10/2018 | EPA 200.7 | | 101.5 | 10.15 | 50.75 | 396 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 12.4 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.72 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 230 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.113 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 229.884 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY07676

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07683 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY07676

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY07677

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 16.1 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 16.8 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 23.1 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.49 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.85 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 64.8 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.004 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 64.795 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY07677

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|----------------------------|---------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07683 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY07677

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|--------|----------|-------|----|----|-------|-------|-----|-----------|-----|-----|-------|-------|-------|------|------|-------|
| | | | | | | | | Duplicate | LCS | | | Limit | Limit | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY07678

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 47.3 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 18.3 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 29.4 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.50 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.97 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 155 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.136 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 154.860 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY07678

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07683 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY07678

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY07679

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|----------------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.53 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 0.2 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.000 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.200 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY07679

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07683 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY07679

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07680

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|----------------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.51 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 0.7 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.000 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.700 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07680

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|----------------------------|---------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07683 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07680

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report
 Laboratory certification ID: E571114
 Issued By: State of Florida, Department of Health
 Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY07681

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 191 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 43.5 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 65.5 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 7.61 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 7.03 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 156 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.157 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 155.838 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY07681

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|----------------------------|---------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07683 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY07681

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY07682

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 3.40 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 1.09 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 190 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 8.73 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 9.49 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 285 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 63.805 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 219.649 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY07682

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07683 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY07682

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY07683

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 226 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 39.4 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 26.0 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 9.62 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/5/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.15 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/5/2018 | SM 2320 B | | 1 | 0.1 | | 46.2 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 0.006 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/5/2018 | SM 4500CO2 D | | 1 | | | 46.193 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY07683

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|----------|--------|-------|------|-------|-------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07683 | pH | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07683 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 46.40 | 49.46 | 45.0 to 55.0 | | | 0.389 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY07683

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-4 Dup

Laboratory ID Number: AY07684

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 225 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 39.9 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 25.9 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 10.0 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.98 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 46.1 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.004 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 46.095 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-4 Dup

Laboratory ID Number: AY07684

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|----------------------------|---------------|----------|--------|-------|------|--------|------|--------------|-------|-----------|--------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07684 | Sodium, Total | mg/L | -0.00654 | 0.22 | 5.00 | 31.5 | 31.1 | 5.05 | 4.25 to 5.75 | 112 | 70 to 130 | 1.15 | 20 |
| AY07684 | Calcium, Total | mg/L | -0.0842 | 0.22 | 5.00 | 224 | 219 | 4.84 | 4.25 to 5.75 | -20.0 | 70 to 130 | 2.26 | 20 |
| AY07684 | Magnesium, Total | mg/L | -0.0116 | 0.22 | 5.00 | 44.6 | 44.3 | 4.87 | 4.25 to 5.75 | 94.0 | 70 to 130 | 0.610 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07684 | Potassium, Total | mg/L | 0.00366 | 0.0946 | 10.0 | 19.9 | 19.8 | 10.2 | 8.5 to 11.5 | 98.4 | 70 to 130 | 0.0814 | 20 |
| AY07693 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-4 Dup

Laboratory ID Number: AY07684

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY07685

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 82.6 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 36.4 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 50.9 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 2.73 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.58 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 171 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.061 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 170.937 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY07685

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|-----------|--------|-------|------|--------|------|--------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07693 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY07685

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY07686

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 112 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 37.6 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 63.4 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.15 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.80 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 157 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.093 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 156.904 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY07686

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|-----------|--------|-------|------|--------|------|--------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07693 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY07686

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07687

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|----------------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.55 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | U Not Detected | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07687

| Sample | Analysis | Units | MB | | | | LCS | | Rec | | Prec | | | |
|---------|--|---------------------------|-----------|--------|-------|------|--------|------|--------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Limit | | |
| AY07693 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | 0.899 | 10 | | |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | | 114 | 70 to 130 | 0.886 | 20 |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | | 103 | 70 to 130 | 1.15 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 27-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07687

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Prec |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-------|------|
| | | | | | | | Duplicate | LCS | | Limit | Prec |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY07688

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 136 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 13.7 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 79.5 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 14.8 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.29 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 46.6 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.009 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 46.590 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY07688

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|--|------------------------|-----------|--------|------|------|--------|-----------|--------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07693 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY07688

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report
 Laboratory certification ID: E571114
 Issued By: State of Florida, Department of Health
 Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY07689

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 37.7 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 10.6 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 16.3 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.01 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.56 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 66.9 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.023 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 66.875 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY07689

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|----------------------------|---------------|-----------|--------|------|------|--------|-----------|--------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |
| AY07693 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY07689

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY07690

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 34.3 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 15.6 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 11.8 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 0.992 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.62 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 122 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.048 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 121.950 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY07690

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|------------------------|-----------|--------|-------|------|--------|------|--------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |
| AY07693 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY07690

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-14 Dup

Laboratory ID Number: AY07691

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 34.4 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 15.6 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 12.0 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 0.986 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 6.64 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 115 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.047 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 114.951 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-14 Dup

Laboratory ID Number: AY07691

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|-----------|--------|-------|------|--------|------|--------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07693 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-14 Dup

Laboratory ID Number: AY07691

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07692

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-----|----------------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 5.63 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | U Not Detected | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07692

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | | |
|---------|----------------------------|------------|-----------|--------|------|------|--------|-----------|--------------|-------|------------|-------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |
| AY07693 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY07692

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Prec |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-------|------|
| | | | | | | | Duplicate | LCS | | Limit | Prec |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY07693

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 143 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 65.9 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 175 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 6.69 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 7.02 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 241 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.237 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 240.758 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY07693

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | | |
|---------|----------------------------|------------|-----------|--------|------|------|--------|-----------|--------------|-------|------------|-------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |
| AY07693 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |
| AY07693 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 239.08 | 48.4 | 45.0 to 55.0 | | | 0.899 | 10 |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY07693

| Sample | Analysis | Units | MB | MB | Limit | Spike | LFM | Sample | LCS | LCS | Limit | Rec | Rec | Prec | Prec | Limit |
|--------|----------|-------|----|----|-------|-------|-----|--------|-----|-----|-------|-----|-----|------|------|-------|
| | | | | | | | | | | | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-1

Laboratory ID Number: AY07694

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/6/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 234 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 20.8 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 23.1 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 5.81 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 8.09 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 25.2 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.287 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 24.851 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-1

Laboratory ID Number: AY07694

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|----------------------------|------------|-----------|--------|-------|------|------|------|--------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07694 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.1 | 15.9 | 10.2 | 8.5 to 11.5 | 103 | 70 to 130 | 1.15 | 20 |
| AY07694 | Magnesium, Total | mg/L | -0.0123 | 0.22 | 5.00 | 25.9 | 25.6 | 4.81 | 4.25 to 5.75 | 102 | 70 to 130 | 1.08 | 20 |
| AY07694 | Sodium, Total | mg/L | -0.0137 | 0.22 | 5.00 | 28.8 | 28.5 | 5.01 | 4.25 to 5.75 | 114 | 70 to 130 | 0.886 | 20 |
| AY08540 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY08540 | Alkalinity, Total as CaCO3 | mg/L CaCO3 | | | | | 67.8 | 50.5 | 45.0 to 55.0 | | | 1.22 | 10 |
| AY07694 | Calcium, Total | mg/L | -0.0822 | 0.22 | 5.00 | 231 | 236 | 4.84 | 4.25 to 5.75 | -54.0 | 70 to 130 | 2.18 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-1

Laboratory ID Number: AY07694

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | Rec | | Prec | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-2

Laboratory ID Number: AY07695

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/10/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 194 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 19.8 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 21.8 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 6.00 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 8.42 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 23.9 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.573 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 23.195 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-2

Laboratory ID Number: AY07695

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|-----------|--------|-------|------|------|------|--------------|------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07696 | Magnesium, Total | mg/L | -0.00941 | 0.22 | 5.00 | 24.2 | 24.3 | 4.98 | 4.25 to 5.75 | 96.1 | 70 to 130 | 0.286 | 20 |
| AY08540 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 67.8 | 50.5 | 45.0 to 55.0 | | | 1.22 | 10 |
| AY07696 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.2 | 15.8 | 10.2 | 8.5 to 11.5 | 104 | 70 to 130 | 2.22 | 20 |
| AY07696 | Calcium, Total | mg/L | -0.0740 | 0.22 | 5.00 | 208 | 191 | 4.97 | 4.25 to 5.75 | 320 | 70 to 130 | 8.52 | 20 |
| AY07696 | Sodium, Total | mg/L | -0.00624 | 0.22 | 5.00 | 26.6 | 26.8 | 5.19 | 4.25 to 5.75 | 112 | 70 to 130 | 0.534 | 20 |
| AY08540 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-2

Laboratory ID Number: AY07695

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments:

CC:

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-3

Laboratory ID Number: AY07696

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|-----------|--------------|----------|-------|-------|-------|-----------|------------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Calcium, Total | HRG | 4/10/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 192 | mg/L |
| * Magnesium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 19.4 | mg/L |
| * Sodium, Total | HRG | 4/6/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 21.0 | mg/L |
| * Potassium, Total | DLJ | 4/3/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 5.79 | mg/L |
| General Characteristics | | | | | | | | | |
| pH | HRG | 4/10/2018 | SM 4500H+ B | | 1 | 0.01 | | 7.82 | SU |
| Alkalinity, Total as CaCO3 | HRG | 4/10/2018 | SM 2320 B | | 1 | 0.1 | | 24.1 | mg/L CaCO3 |
| Carbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 0.149 | mg/l-CaCO3 |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 4/10/2018 | SM 4500CO2 D | | 1 | | | 23.918 | mg/l-CaCO3 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-3

Laboratory ID Number: AY07696

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec | |
|---------|--|---------------------------|-----------|--------|-------|------|------|------|--------------|------|-----------|-------|-------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit |
| AY07696 | Potassium, Total | mg/L | -0.000366 | 0.0946 | 10.0 | 16.2 | 15.8 | 10.2 | 8.5 to 11.5 | 104 | 70 to 130 | 2.22 | 20 |
| AY08540 | Alkalinity, Total as CaCO ₃ | mg/L CaCO ₃ | | | | | 67.8 | 50.5 | 45.0 to 55.0 | | | 1.22 | 10 |
| AY07696 | Calcium, Total | mg/L | -0.0740 | 0.22 | 5.00 | 208 | 191 | 4.97 | 4.25 to 5.75 | 320 | 70 to 130 | 8.52 | 20 |
| AY07696 | Sodium, Total | mg/L | -0.00624 | 0.22 | 5.00 | 26.6 | 26.8 | 5.19 | 4.25 to 5.75 | 112 | 70 to 130 | 0.534 | 20 |
| AY08540 | pH | SU | | | | | | 7.03 | 6.95 to 7.05 | | | | |
| AY07696 | Magnesium, Total | mg/L | -0.00941 | 0.22 | 5.00 | 24.2 | 24.3 | 4.98 | 4.25 to 5.75 | 96.1 | 70 to 130 | 0.286 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 28-Mar-18
 Customer ID:
 Delivery Date: 29-Mar-18

Description: Miller Surface Water- AP-3

Laboratory ID Number: AY07696

| Sample | Analysis | Units | MB | Limit | Spike | LFM | Sample | LCS | Limit | Rec | Limit | Prec | Limit |
|--------|----------|-------|----|-------|-------|-----|-----------|-----|-------|-----|-------|------|-------|
| | | | | | | | Duplicate | LCS | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2018

Comments: Recovery for Ca is out of spec. Spike amount is less than 30% of sample concentration. SGC 4/16/18

CC:

Definitions



| Abbreviation | Description |
|--------------|---|
| DF | Dilution Factor |
| LCS | Lab Control Sample |
| LFM | Lab Fortified Matrix |
| MB | Method Blank |
| MDL | Method Detection Limit; minimum concentration of an analyte that can be determined with 99% confidence that the concentration is greater than zero. |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| Prec | Precision (% RPD) |
| Q | Qualifier; comment used to note deviations or additional information associated with analytical results. |
| QC | Quality Control |
| Rec | Recovery of Matrix Spike |
| RL | Reporting Limit; lowest concentration at which an analyte can be quantitatively measured. |
| Vio Spec | Violation Specification; regulatory limit which has been exceeded by the sample analyzed. |

| Qualifier | Description |
|-----------|---|
| B | Analyte found in reagent blank. Indicates possible reagent or background contamination. |
| E | Estimated reported value exceeded calibration range. |
| J | Reported value is an estimate because concentration is less than reporting limit. |
| N | Organic constituents tentatively identified. Confirmation is needed. |
| R | Matrix spike recovery is out of range. |
| U | Compound was analyzed, but not detected. |
| P | Precision is out of range. |
| C | Analyte was verified by re-analysis. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |
| L | Check standard is outside of the required specification limit. |
| D | All samples were stored at less than or equal to 6 °C and for no longer than 48 hours from time of sampling, unless otherwise noted. |
| F | Water Field Group (WFG) qualifier; see comments for more information |



Chain of Custody Groundwater

APC General Testing Laboratory
General Service Complex Building 8

- Field Complete
- Lab Complete

Lab ETA 03/29/2018 11:00

| | | | |
|-------------------------|---|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |
| Analysis Requested | Bottle 1 (500ml): Metals, Bottle 2 (250ml): Alkalinity/pH | | |
| Comments | Samples were received 3/29/18 at 1400. | | |

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|------------------|------------|---------|
| MW-1 | 03/27/2018 | 09:17 | 2 | Groundwater | | AY07665 |
| MW-2 | 03/27/2018 | 13:42 | 2 | Groundwater | | AY07666 |
| PZ-5 | 03/27/2018 | 15:56 | 2 | Groundwater | | AY07667 |
| MW-5 | 03/27/2018 | 17:05 | 2 | Groundwater | | AY07668 |
| MW-6 | 03/27/2018 | 17:43 | 2 | Groundwater | | AY07669 |
| MW-6DUP | 03/27/2018 | 17:43 | 2 | Sample Duplicate | | AY07670 |
| MW-8S | 03/28/2018 | 12:37 | 2 | Groundwater | | AY07671 |
| MW-8D | 03/28/2018 | 13:30 | 2 | Groundwater | | AY07672 |
| MW-9S | 03/28/2018 | 11:10 | 2 | Groundwater | | AY07673 |
| MW-9D | 03/28/2018 | 11:52 | 2 | Groundwater | | AY07674 |
| MW-11 | 03/27/2018 | 11:35 | 2 | Groundwater | | AY07675 |
| MW-12 | 03/28/2018 | 14:55 | 2 | Groundwater | | AY07676 |
| MW-13S | 03/28/2018 | 09:02 | 2 | Groundwater | | AY07677 |
| MW-13D | 03/28/2018 | 09:42 | 2 | Groundwater | | AY07678 |
| EB-1 | 03/28/2018 | 15:13 | 2 | Equipment Blank | | AY07679 |
| FB-2 | 03/28/2018 | 08:45 | 2 | Field Blank | | AY07680 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|---|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernmco.com, c=US Date: 2018.04.05 15:59:40 -05'00'</small> | 03/29/2018 14:00 |
| | | |
| | | |

| | | |
|--------------|----------------|---|
| SmarTroll ID | 5141-26150-1-1 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 4677-23343-4-2 | Cooler Temp |
| | | 0.6 degrees C |
| | | Thermometer ID |
| | | 5408-27568-2-2 |
| | | pH Strip ID |
| | | 5881-30152-10-6 |



Chain of Custody
Groundwater
 APC General Testing Laboratory
 General Service Complex Building 8

- Field Complete
- Lab Complete

Lab ETA 03/29/2018 11:00

| | | | |
|-------------------------|--|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Nick Pitts | Location | Miller Ash Pond |
| Analysis Requested | Bottle 1 (500 ml): Metals, Bottle 2 (250 ml): Alkalinity, pH | | |
| Comments | AP-1, AP-2 & AP-3 are surface water samples collected from the ash pond. All samples received at temp <4 degrees C. Samples were received 3/29/18 at 1400. | | |

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|-----------|------------|-------|--------------|------------------|------------|---------|
| MW-3D | 03/27/2018 | 09:55 | 2 | Groundwater | | AY07681 |
| MW-3S | 03/27/2018 | 10:57 | 2 | Groundwater | | AY07682 |
| MW-4 | 03/27/2018 | 12:00 | 2 | Groundwater | | AY07683 |
| MW-4 Dup | 03/27/2018 | 12:00 | 2 | Sample Duplicate | | AY07684 |
| MW-7S | 03/27/2018 | 14:37 | 2 | Groundwater | | AY07685 |
| MW-7D | 03/27/2018 | 15:32 | 2 | Groundwater | | AY07686 |
| FB-1 | 03/27/2018 | 16:00 | 2 | Field Blank | | AY07687 |
| MW-16 | 03/28/2018 | 10:20 | 2 | Groundwater | | AY07688 |
| MW-15 | 03/28/2018 | 12:00 | 2 | Groundwater | | AY07689 |
| MW-14 | 03/28/2018 | 12:52 | 2 | Groundwater | | AY07690 |
| MW-14 Dup | 03/28/2018 | 12:52 | 2 | Sample Duplicate | | AY07691 |
| FB-3 | 03/28/2018 | 13:10 | 2 | Field Blank | | AY07692 |
| MW-10 | 03/28/2018 | 14:18 | 2 | Groundwater | | AY07693 |
| AP-1 | 03/28/2018 | 15:00 | 2 | | | AY07694 |
| AP-2 | 03/28/2018 | 15:15 | 2 | | | AY07695 |
| AP-3 | 03/28/2018 | 15:30 | 2 | | | AY07696 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|--|--|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernco.com, c=US Date: 2018.04.06 15:47:49 -05'00'</small> | 03/29/2018 14:00 |
| | | |
| | | |

| | | |
|--------------|----------------|---|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | Cooler Temp |
| | | 0.5 degrees C |
| | | Thermometer ID |
| | | 5408-27568-2-2 |
| | | pH Strip ID |
| | | 5881-30152-10-6 |



Chain of Custody Groundwater

APC General Testing Laboratory
General Service Complex Building 8

- Field Complete
- Lab Complete

Lab ETA 03/29/2018 11:00

| | | | |
|-------------------------|--|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |
| Analysis Requested | Bottle 1(1L): Boron-11, Bottle 2 (3, 40ml): 8260, Bottle 3 (250ml): Tritium, Bottle 4 (250ml): Anions | | |
| Comments | Tritium Duplicate collected @ 13D. Samples were received 3/29/18 at 1400. All samples outsourced to Test America. There is no requirement to check preservation. | | |

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|------------------|------------|---------|
| MW-1 | 03/27/2018 | 09:17 | 1 | Groundwater | | AY07697 |
| MW-2 | 03/27/2018 | 13:42 | 3 | Groundwater | | AY07698 |
| PZ-5 | 03/27/2018 | 15:56 | 4 | Groundwater | | AY07699 |
| MW-5 | 03/27/2018 | 17:05 | 4 | Groundwater | | AY07700 |
| MW-6 | 03/27/2018 | 17:43 | 4 | Groundwater | | AY07701 |
| MW-6DUP | 03/27/2018 | 17:43 | 4 | Sample Duplicate | | AY07702 |
| MW-8S | 03/28/2018 | 12:37 | 4 | Groundwater | | AY07703 |
| MW-8D | 03/28/2018 | 13:30 | 4 | Groundwater | | AY07704 |
| MW-9S | 03/28/2018 | 11:10 | 1 | Groundwater | | AY07705 |
| MW-9D | 03/28/2018 | 11:52 | 1 | Groundwater | | AY07706 |
| MW-11 | 03/27/2018 | 11:35 | 3 | Groundwater | | AY07707 |
| MW-12 | 03/28/2018 | 14:55 | 4 | Groundwater | | AY07708 |
| MW-13S | 03/28/2018 | 09:02 | 1 | Groundwater | | AY07709 |
| MW-13D | 03/28/2018 | 09:42 | 5 | Groundwater | | AY07710 |
| EB-1 | 03/28/2018 | 15:13 | 4 | Equipment Blank | | AY07711 |
| FB-2 | 03/28/2018 | 08:45 | 4 | Field Blank | | AY07712 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|--|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southernco.com, c=US Date: 2018.04.05 15:54:21 -05'00'</small> | 03/29/2018 14:00 |
| | | |
| | | |

| | | |
|--------------|----------------|--|
| SmarTroll ID | 5141-26150-1-1 | All metals and radiological bottles have pH < 2 <input type="checkbox"/> |
| Turbidity ID | 4677-23343-4-2 | Cooler Temp |
| | | 0.8 degrees C |
| | | Thermometer ID |
| | | 5408-27568-2-2 |
| | | pH Strip ID |
| | | NA |



Chain of Custody
Groundwater
 APC General Testing Laboratory
 General Service Complex Building 8

- Field Complete
- Lab Complete

Lab ETA 03/29/2018 11:00

| | | | |
|-------------------------|--|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Nick Pitts | Location | Miller Ash Pond |
| Analysis Requested | Bottle 1 (1 L): Boron-11, Bottle 2 (3, 40ml): 8260, Bottle 3 (250ml): Tritium, Bottle 4 (250 ml): Anions | | |
| Comments | AP-1, AP-2 & AP-3 are surface water samples collected from the ash pond. Tritium Dup collected on MW-16. Samples were received 3/29/18 at 1400. All samples received at <4.0 degrees C. All outsourced to Test America. There is no preservation check requirement for analyses requested. | | |

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|-----------|------------|-------|--------------|------------------|------------|---------|
| MW-3D | 03/27/2018 | 09:55 | 4 | Groundwater | | AY07713 |
| MW-3S | 03/27/2018 | 10:57 | 1 | Groundwater | | AY07714 |
| MW-4 | 03/27/2018 | 12:00 | 4 | Groundwater | | AY07715 |
| MW-4 Dup | 03/27/2018 | 12:00 | 4 | Sample Duplicate | | AY07716 |
| MW-7S | 03/27/2018 | 14:37 | 4 | Groundwater | | AY07717 |
| MW-7D | 03/27/2018 | 15:32 | 4 | Groundwater | | AY07718 |
| FB-1 | 03/27/2018 | 16:00 | 4 | Field Blank | | AY07719 |
| MW-16 | 03/28/2018 | 10:20 | 6 | Groundwater | | AY07720 |
| MW-15 | 03/28/2018 | 12:00 | 3 | Groundwater | | AY07721 |
| MW-14 | 03/28/2018 | 12:52 | 1 | Groundwater | | AY07722 |
| MW-14 Dup | 03/28/2018 | 12:52 | 1 | Sample Duplicate | | AY07723 |
| FB-3 | 03/28/2018 | 13:10 | 1 | Field Blank | | AY07724 |
| MW-10 | 03/28/2018 | 14:18 | 4 | Groundwater | | AY07725 |
| AP-1 | 03/28/2018 | 15:00 | 1 | | | AY07726 |
| AP-2 | 03/28/2018 | 15:15 | 1 | | | AY07727 |
| AP-3 | 03/28/2018 | 15:30 | 1 | | | AY07728 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|---|------------------|
| Relinquished By | Received By | Date/Time |
| | Sarah Copeland <small>Digitally signed by Sarah Copeland DN: cn=Sarah Copeland, o.ou, email=sgcopela@southerncco.com, c=US Date: 2018.04.05 15:50:05 -05'00'</small> | 03/29/2018 14:00 |
| | | |
| | | |

| | | |
|--------------|----------------|--|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | Cooler Temp |
| | | 0.5 degrees C |
| | | Thermometer ID |
| | | 5408-27568-2-2 |
| | | pH Strip ID |
| | | NA |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-151664-1

TestAmerica SDG: Miller Ash Pond 1140 (ASD)

Client Project/Site: CCR Plant Miller

For:

Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Sarah Copeland



Authorized for release by:

4/17/2018 3:26:34 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Case Narrative | 3 |
| Detection Summary | 4 |
| Method Summary | 8 |
| Sample Summary | 9 |
| Client Sample Results | 10 |
| Definitions | 42 |
| Chronicle | 43 |
| QC Association | 51 |
| QC Sample Results | 55 |
| Chain of Custody | 64 |
| Receipt Checklists | 66 |
| Certification Summary | 69 |

Case Narrative

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Job ID: 400-151664-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-151664-1

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 393074 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 393123 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

General Chemistry

Method(s) SM 4500 Cl- E: The method blank contained chlorides above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: AY07697 MW-1 (400-151664-1), AY07698 MW-2 (400-151664-2), AY07700 MW-5 (400-151664-4), AY07701 MW-6 (400-151664-5), AY07702 MW-6 DUP (400-151664-6), AY07703 MW-8S (400-151664-7), AY07704 MW-8D (400-151664-8), AY07705 MW-9S (400-151664-9), AY07706 MW-9D (400-151664-10), AY07707 MW-11 (400-151664-11), AY07708 MW-12 (400-151664-12), AY07709 MW-13S (400-151664-13), AY07710 MW-13D (400-151664-14), AY07713 MW-3D (400-151664-17), AY07714 MW-3S (400-151664-18), AY07715 MW-4 (400-151664-19), AY07716 MW-4 DUP (400-151664-20), AY07717 MW-7S (400-151664-21), AY07718 MW-7D (400-151664-22), (400-151664-A-1 MS), (400-151664-A-1 MSD), AY07720 MW-16 (400-151664-24), AY07721 MW-15 (400-151664-25), AY07722 MW-14 (400-151664-26), AY07723 MW-14 DUP (400-151664-27), AY07725 MW-10 (400-151664-29), AY07726 AP-1 (400-151664-30), AY07727 AP-2 (400-151664-31), (400-151664-E-8 MS), (400-151664-E-8 MSD), (400-151888-D-2), (400-151888-D-2 MS), (400-151888-D-2 MSD) and AY07728 AP-3 (400-151664-32). Elevated reporting limits (RLs) are provided.

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 393243 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 393547 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07697 MW-1

Lab Sample ID: 400-151664-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 13 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 430 | F1 | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07698 MW-2

Lab Sample ID: 400-151664-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 8.7 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 1500 | | 250 | 70 | mg/L | 50 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07699 PZ-5

Lab Sample ID: 400-151664-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 33 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 31 | | 5.0 | 1.4 | mg/L | 1 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07700 MW-5

Lab Sample ID: 400-151664-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 45 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 780 | | 200 | 56 | mg/L | 40 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07701 MW-6

Lab Sample ID: 400-151664-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 32 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 510 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07702 MW-6 DUP

Lab Sample ID: 400-151664-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 31 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 520 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07703 MW-8S

Lab Sample ID: 400-151664-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 3.8 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 280 | | 50 | 14 | mg/L | 10 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07704 MW-8D

Lab Sample ID: 400-151664-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 11 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 400 | F1 | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07705 MW-9S

Lab Sample ID: 400-151664-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 5.6 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 450 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07706 MW-9D

Lab Sample ID: 400-151664-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 12 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 470 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07707 MW-11

Lab Sample ID: 400-151664-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 7.0 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 620 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07708 MW-12

Lab Sample ID: 400-151664-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 7.1 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 1300 | | 250 | 70 | mg/L | 50 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07709 MW-13S

Lab Sample ID: 400-151664-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 9.5 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 120 | | 50 | 14 | mg/L | 10 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07710 MW-13D

Lab Sample ID: 400-151664-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 14 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 70 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07711 EB-1

Lab Sample ID: 400-151664-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 1.1 | J B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |

Client Sample ID: AY07712 FB-2

Lab Sample ID: 400-151664-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 1.3 | J B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |

Client Sample ID: AY07713 MW-3D

Lab Sample ID: 400-151664-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 38 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 540 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07714 MW-3S

Lab Sample ID: 400-151664-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 33 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 140 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07715 MW-4

Lab Sample ID: 400-151664-19

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07715 MW-4 (Continued)

Lab Sample ID: 400-151664-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 40 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 620 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07716 MW-4 DUP

Lab Sample ID: 400-151664-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 40 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 610 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07717 MW-7S

Lab Sample ID: 400-151664-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 24 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 240 | | 50 | 14 | mg/L | 10 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07718 MW-7D

Lab Sample ID: 400-151664-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 27 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 340 | | 50 | 14 | mg/L | 10 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07719 FB-1

Lab Sample ID: 400-151664-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 1.2 | J B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |

Client Sample ID: AY07720 MW-16

Lab Sample ID: 400-151664-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 16 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 450 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07721 MW-15

Lab Sample ID: 400-151664-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 19 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 73 | | 25 | 7.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07722 MW-14

Lab Sample ID: 400-151664-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 7.3 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 42 | | 10 | 2.8 | mg/L | 2 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07723 MW-14 DUP

Lab Sample ID: 400-151664-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 7.3 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 43 | | 10 | 2.8 | mg/L | 2 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Detection Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07724 FB-3

Lab Sample ID: 400-151664-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 0.91 | J B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |

Client Sample ID: AY07725 MW-10

Lab Sample ID: 400-151664-29

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 7.6 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 730 | | 150 | 42 | mg/L | 30 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07726 AP-1

Lab Sample ID: 400-151664-30

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 36 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 570 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07727 AP-2

Lab Sample ID: 400-151664-31

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 36 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 490 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

Client Sample ID: AY07728 AP-3

Lab Sample ID: 400-151664-32

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-----|------|------|---------|---|---------------|-----------|
| Chloride | 36 | B | 2.0 | 0.60 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| Sulfate | 480 | | 100 | 28 | mg/L | 20 | | SM 4500 SO4 E | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Method Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

| Method | Method Description | Protocol | Laboratory |
|---------------|-------------------------------------|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL PEN |
| SM 4500 Cl- E | Chloride, Total | SM | TAL PEN |
| SM 4500 SO4 E | Sulfate, Total | SM | TAL PEN |
| 906.0 | Tritium, Total (LSC) | EPA | TAL SL |

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 400-151664-1 | AY07697 MW-1 | Water | 03/27/18 09:17 | 04/02/18 09:18 |
| 400-151664-2 | AY07698 MW-2 | Water | 03/27/18 13:42 | 04/02/18 09:18 |
| 400-151664-3 | AY07699 PZ-5 | Water | 03/27/18 15:56 | 04/02/18 09:18 |
| 400-151664-4 | AY07700 MW-5 | Water | 03/27/18 17:05 | 04/02/18 09:18 |
| 400-151664-5 | AY07701 MW-6 | Water | 03/27/18 17:43 | 04/02/18 09:18 |
| 400-151664-6 | AY07702 MW-6 DUP | Water | 03/27/18 17:43 | 04/02/18 09:18 |
| 400-151664-7 | AY07703 MW-8S | Water | 03/28/18 12:37 | 04/02/18 09:18 |
| 400-151664-8 | AY07704 MW-8D | Water | 03/28/18 13:30 | 04/02/18 09:18 |
| 400-151664-9 | AY07705 MW-9S | Water | 03/28/18 11:10 | 04/02/18 09:18 |
| 400-151664-10 | AY07706 MW-9D | Water | 03/28/18 11:52 | 04/02/18 09:18 |
| 400-151664-11 | AY07707 MW-11 | Water | 03/27/18 11:35 | 04/02/18 09:18 |
| 400-151664-12 | AY07708 MW-12 | Water | 03/28/18 14:55 | 04/02/18 09:18 |
| 400-151664-13 | AY07709 MW-13S | Water | 03/28/18 09:02 | 04/02/18 09:18 |
| 400-151664-14 | AY07710 MW-13D | Water | 03/28/18 09:42 | 04/02/18 09:18 |
| 400-151664-15 | AY07711 EB-1 | Water | 03/28/18 15:13 | 04/02/18 09:18 |
| 400-151664-16 | AY07712 FB-2 | Water | 03/28/18 08:45 | 04/02/18 09:18 |
| 400-151664-17 | AY07713 MW-3D | Water | 03/27/18 09:55 | 04/02/18 09:18 |
| 400-151664-18 | AY07714 MW-3S | Water | 03/27/18 10:57 | 04/02/18 09:18 |
| 400-151664-19 | AY07715 MW-4 | Water | 03/27/18 12:00 | 04/02/18 09:18 |
| 400-151664-20 | AY07716 MW-4 DUP | Water | 03/27/18 12:00 | 04/02/18 09:18 |
| 400-151664-21 | AY07717 MW-7S | Water | 03/27/18 14:37 | 04/02/18 09:18 |
| 400-151664-22 | AY07718 MW-7D | Water | 03/27/18 15:32 | 04/02/18 09:18 |
| 400-151664-23 | AY07719 FB-1 | Water | 03/27/18 16:00 | 04/02/18 09:18 |
| 400-151664-24 | AY07720 MW-16 | Water | 03/28/18 10:20 | 04/02/18 09:18 |
| 400-151664-25 | AY07721 MW-15 | Water | 03/28/18 12:00 | 04/02/18 09:18 |
| 400-151664-26 | AY07722 MW-14 | Water | 03/28/18 12:52 | 04/02/18 09:18 |
| 400-151664-27 | AY07723 MW-14 DUP | Water | 03/28/18 12:52 | 04/02/18 09:18 |
| 400-151664-28 | AY07724 FB-3 | Water | 03/28/18 13:10 | 04/02/18 09:18 |
| 400-151664-29 | AY07725 MW-10 | Water | 03/28/18 14:18 | 04/02/18 09:18 |
| 400-151664-30 | AY07726 AP-1 | Water | 03/28/18 15:00 | 04/02/18 09:18 |
| 400-151664-31 | AY07727 AP-2 | Water | 03/28/18 15:15 | 04/02/18 09:18 |
| 400-151664-32 | AY07728 AP-3 | Water | 03/28/18 15:30 | 04/02/18 09:18 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07697 MW-1

Date Collected: 03/27/18 09:17

Date Received: 04/02/18 09:18

Lab Sample ID: 400-151664-1

Matrix: Water

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 13 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:11 | 1 |
| Sulfate | 430 | F1 | 100 | 28 | mg/L | | | 04/09/18 11:47 | 20 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07698 MW-2

Lab Sample ID: 400-151664-2

Date Collected: 03/27/18 13:42

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 14:06 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 14:06 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 14:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 91 | | 81 - 121 | | | | | 04/07/18 14:06 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | | | | | 04/07/18 14:06 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/07/18 14:06 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 8.7 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:14 | 1 |
| Sulfate | 1500 | | 250 | 70 | mg/L | | | 04/09/18 12:21 | 50 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 90.1 | U | 212 | 212 | 500 | 363 | pCi/L | 04/11/18 14:55 | 04/12/18 18:58 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07699 PZ-5

Lab Sample ID: 400-151664-3

Date Collected: 03/27/18 15:56

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 14:30 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 14:30 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 14:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 91 | | 81 - 121 | | | | | 04/07/18 14:30 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | | | | | 04/07/18 14:30 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/07/18 14:30 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 33 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:14 | 1 |
| Sulfate | 31 | | 5.0 | 1.4 | mg/L | | | 04/09/18 10:25 | 1 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -45.0 | U | 196 | 196 | 500 | 354 | pCi/L | 04/11/18 14:55 | 04/12/18 19:20 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07700 MW-5

Lab Sample ID: 400-151664-4

Date Collected: 03/27/18 17:05

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 14:54 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 14:54 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 14:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/07/18 14:54 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/07/18 14:54 | 1 |
| 4-Bromofluorobenzene | 94 | | 78 - 118 | | | | | 04/07/18 14:54 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 45 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:14 | 1 |
| Sulfate | 780 | | 200 | 56 | mg/L | | | 04/09/18 12:23 | 40 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -173 | U | 188 | 189 | 500 | 362 | pCi/L | 04/11/18 14:55 | 04/12/18 19:43 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07701 MW-6

Lab Sample ID: 400-151664-5

Date Collected: 03/27/18 17:43

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 15:19 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 15:19 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 15:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/07/18 15:19 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/07/18 15:19 | 1 |
| 4-Bromofluorobenzene | 95 | | 78 - 118 | | | | | 04/07/18 15:19 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 32 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:14 | 1 |
| Sulfate | 510 | | 100 | 28 | mg/L | | | 04/09/18 11:47 | 20 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 22.5 | U | 202 | 202 | 500 | 354 | pCi/L | 04/11/18 14:55 | 04/12/18 20:06 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07702 MW-6 DUP

Lab Sample ID: 400-151664-6

Date Collected: 03/27/18 17:43

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 15:43 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 15:43 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 15:43 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 91 | | 81 - 121 | | | | | 04/07/18 15:43 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/07/18 15:43 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/07/18 15:43 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 31 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 520 | | 100 | 28 | mg/L | | | 04/09/18 11:47 | 20 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 122 | U | 216 | 216 | 500 | 366 | pCi/L | 04/11/18 14:55 | 04/12/18 20:28 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07703 MW-8S

Lab Sample ID: 400-151664-7

Date Collected: 03/28/18 12:37

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 16:07 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 16:07 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 16:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 93 | | 81 - 121 | | | | | 04/07/18 16:07 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | | | | 04/07/18 16:07 | 1 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | | | | 04/07/18 16:07 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 3.8 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 280 | | 50 | 14 | mg/L | | | 04/09/18 11:02 | 10 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -9.01 | U | 197 | 197 | 500 | 350 | pCi/L | 04/11/18 14:55 | 04/12/18 20:51 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07704 MW-8D

Lab Sample ID: 400-151664-8

Date Collected: 03/28/18 13:30

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 16:33 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 16:33 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 16:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 94 | | 81 - 121 | | | | | 04/07/18 16:33 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | | | | 04/07/18 16:33 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/07/18 16:33 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 11 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 400 | F1 | 100 | 28 | mg/L | | | 04/11/18 11:07 | 20 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 54.1 | U | 212 | 212 | 500 | 372 | pCi/L | 04/11/18 14:55 | 04/12/18 21:13 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07705 MW-9S

Lab Sample ID: 400-151664-9

Date Collected: 03/28/18 11:10

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 5.6 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 450 | | 100 | 28 | mg/L | | | 04/11/18 11:11 | 20 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07706 MW-9D

Lab Sample ID: 400-151664-10

Date Collected: 03/28/18 11:52

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 12 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 470 | | 100 | 28 | mg/L | | | 04/11/18 11:11 | 20 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07707 MW-11

Lab Sample ID: 400-151664-11

Date Collected: 03/27/18 11:35

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 15:03 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 15:03 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 15:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 93 | | 81 - 121 | | | | | 04/08/18 15:03 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/08/18 15:03 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/08/18 15:03 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 7.0 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 620 | | 150 | 42 | mg/L | | | 04/09/18 11:51 | 30 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -13.5 | U | 202 | 202 | 500 | 362 | pCi/L | 04/11/18 14:55 | 04/12/18 21:36 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07708 MW-12

Lab Sample ID: 400-151664-12

Date Collected: 03/28/18 14:55

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 15:29 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 15:29 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 15:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/08/18 15:29 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | | | | | 04/08/18 15:29 | 1 |
| 4-Bromofluorobenzene | 94 | | 78 - 118 | | | | | 04/08/18 15:29 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 7.1 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:21 | 1 |
| Sulfate | 1300 | | 250 | 70 | mg/L | | | 04/11/18 11:30 | 50 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -67.6 | U | 196 | 196 | 500 | 358 | pCi/L | 04/11/18 14:55 | 04/12/18 21:59 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07709 MW-13S

Lab Sample ID: 400-151664-13

Date Collected: 03/28/18 09:02

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 9.5 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:22 | 1 |
| Sulfate | 120 | | 50 | 14 | mg/L | | | 04/11/18 09:44 | 10 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07710 MW-13D

Lab Sample ID: 400-151664-14

Date Collected: 03/28/18 09:42

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 15:55 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 15:55 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 15:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/08/18 15:55 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/08/18 15:55 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/08/18 15:55 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 14 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 08:22 | 1 |
| Sulfate | 70 | | 25 | 7.0 | mg/L | | | 04/11/18 09:44 | 5 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 167 | U | 217 | 217 | 500 | 361 | pCi/L | 04/11/18 14:55 | 04/12/18 22:21 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07711 EB-1

Lab Sample ID: 400-151664-15

Date Collected: 03/28/18 15:13

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 11:44 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 11:44 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 11:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 91 | | 81 - 121 | | | | | 04/08/18 11:44 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | | | | | 04/08/18 11:44 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/08/18 11:44 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 1.1 | J B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:26 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/11/18 08:37 | 1 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -151 | U | 192 | 193 | 500 | 368 | pCi/L | 04/11/18 14:55 | 04/12/18 23:29 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07712 FB-2

Lab Sample ID: 400-151664-16

Date Collected: 03/28/18 08:45

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 12:08 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 12:08 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 12:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 91 | | 81 - 121 | | | | | 04/08/18 12:08 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | | | | | 04/08/18 12:08 | 1 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | | | | 04/08/18 12:08 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 1.3 | J B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:26 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/11/18 08:44 | 1 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -18.0 | U | 203 | 203 | 500 | 363 | pCi/L | 04/11/18 14:55 | 04/12/18 23:52 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07713 MW-3D

Lab Sample ID: 400-151664-17

Date Collected: 03/27/18 09:55

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 16:21 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 16:21 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 16:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/08/18 16:21 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | | | | | 04/08/18 16:21 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/08/18 16:21 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 38 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:26 | 1 |
| Sulfate | 540 | | 100 | 28 | mg/L | | | 04/09/18 11:51 | 20 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -186 | U | 187 | 187 | 500 | 362 | pCi/L | 04/11/18 14:55 | 04/13/18 00:15 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07714 MW-3S

Lab Sample ID: 400-151664-18

Date Collected: 03/27/18 10:57

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 33 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | 140 | | 25 | 7.0 | mg/L | | | 04/09/18 10:59 | 5 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07715 MW-4

Lab Sample ID: 400-151664-19

Date Collected: 03/27/18 12:00

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 16:47 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 16:47 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 16:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/08/18 16:47 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/08/18 16:47 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/08/18 16:47 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 40 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | 620 | | 150 | 42 | mg/L | | | 04/09/18 11:54 | 30 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 40.5 | U | 206 | 207 | 500 | 361 | pCi/L | 04/11/18 14:55 | 04/13/18 00:37 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07716 MW-4 DUP

Lab Sample ID: 400-151664-20

Date Collected: 03/27/18 12:00

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 17:12 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 17:12 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 17:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 90 | | 81 - 121 | | | | | 04/08/18 17:12 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/08/18 17:12 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 04/08/18 17:12 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 40 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | 610 | | 150 | 42 | mg/L | | | 04/09/18 11:54 | 30 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 54.1 | U | 205 | 205 | 500 | 355 | pCi/L | 04/11/18 14:55 | 04/13/18 01:00 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07717 MW-7S

Lab Sample ID: 400-151664-21

Date Collected: 03/27/18 14:37

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 17:38 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 17:38 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 17:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/08/18 17:38 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/08/18 17:38 | 1 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | | | | 04/08/18 17:38 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 24 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | 240 | | 50 | 14 | mg/L | | | 04/09/18 10:59 | 10 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -12.6 | U | 163 | 163 | 500 | 297 | pCi/L | 04/13/18 13:52 | 04/13/18 18:12 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07718 MW-7D

Lab Sample ID: 400-151664-22

Date Collected: 03/27/18 15:32

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/09/18 09:24 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/09/18 09:24 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/09/18 09:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 93 | | 81 - 121 | | | | | 04/09/18 09:24 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/09/18 09:24 | 1 |
| 4-Bromofluorobenzene | 95 | | 78 - 118 | | | | | 04/09/18 09:24 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 27 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | 340 | | 50 | 14 | mg/L | | | 04/09/18 11:02 | 10 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -41.4 | U | 158 | 158 | 500 | 293 | pCi/L | 04/13/18 13:52 | 04/13/18 18:32 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07719 FB-1

Lab Sample ID: 400-151664-23

Date Collected: 03/27/18 16:00

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/09/18 08:34 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/09/18 08:34 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/09/18 08:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/09/18 08:34 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | 04/09/18 08:34 | 1 |
| 4-Bromofluorobenzene | 94 | | 78 - 118 | | | | | 04/09/18 08:34 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 1.2 | J B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/09/18 10:29 | 1 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -37.8 | U | 154 | 154 | 500 | 282 | pCi/L | 04/13/18 13:52 | 04/13/18 18:53 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07720 MW-16

Lab Sample ID: 400-151664-24

Date Collected: 03/28/18 10:20

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/09/18 09:50 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/09/18 09:50 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/09/18 09:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 93 | | 81 - 121 | | | | | 04/09/18 09:50 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | | | | | 04/09/18 09:50 | 1 |
| 4-Bromofluorobenzene | 94 | | 78 - 118 | | | | | 04/09/18 09:50 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 16 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:29 | 1 |
| Sulfate | 450 | | 100 | 28 | mg/L | | | 04/11/18 11:15 | 20 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -17.1 | U | 164 | 164 | 500 | 301 | pCi/L | 04/13/18 13:52 | 04/13/18 19:14 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07721 MW-15

Lab Sample ID: 400-151664-25

Date Collected: 03/28/18 12:00

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/09/18 10:14 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/09/18 10:14 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/09/18 10:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 93 | | 81 - 121 | | | | | 04/09/18 10:14 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | | | | | 04/09/18 10:14 | 1 |
| 4-Bromofluorobenzene | 94 | | 78 - 118 | | | | | 04/09/18 10:14 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 19 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 73 | | 25 | 7.0 | mg/L | | | 04/11/18 09:48 | 5 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | -0.901 | U | 170 | 170 | 500 | 312 | pCi/L | 04/13/18 13:52 | 04/13/18 20:16 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07722 MW-14

Lab Sample ID: 400-151664-26

Date Collected: 03/28/18 12:52

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 7.3 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 42 | | 10 | 2.8 | mg/L | | | 04/11/18 11:15 | 2 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07723 MW-14 DUP

Lab Sample ID: 400-151664-27

Date Collected: 03/28/18 12:52

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 7.3 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 43 | | 10 | 2.8 | mg/L | | | 04/11/18 11:20 | 2 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07724 FB-3

Lab Sample ID: 400-151664-28

Date Collected: 03/28/18 13:10

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 0.91 | J B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/11/18 08:44 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07725 MW-10

Lab Sample ID: 400-151664-29

Date Collected: 03/28/18 14:18

Matrix: Water

Date Received: 04/02/18 09:18

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/09/18 10:38 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/09/18 10:38 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/09/18 10:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane | 92 | | 81 - 121 | | | | | 04/09/18 10:38 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | | | | 04/09/18 10:38 | 1 |
| 4-Bromofluorobenzene | 95 | | 78 - 118 | | | | | 04/09/18 10:38 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 7.6 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 730 | | 150 | 42 | mg/L | | | 04/11/18 11:30 | 30 |

Method: 906.0 - Tritium, Total (LSC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----------------------------|-----------------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 32.0 | U | 171 | 171 | 500 | 305 | pCi/L | 04/13/18 13:52 | 04/13/18 20:37 | 1 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07726 AP-1

Lab Sample ID: 400-151664-30

Date Collected: 03/28/18 15:00

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 36 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 570 | | 100 | 28 | mg/L | | | 04/11/18 11:20 | 20 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07727 AP-2

Lab Sample ID: 400-151664-31

Date Collected: 03/28/18 15:15

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 36 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 490 | | 100 | 28 | mg/L | | | 04/11/18 11:20 | 20 |

Client Sample Results

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07728 AP-3

Lab Sample ID: 400-151664-32

Date Collected: 03/28/18 15:30

Matrix: Water

Date Received: 04/02/18 09:18

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 36 | B | 2.0 | 0.60 | mg/L | | | 04/10/18 09:36 | 1 |
| Sulfate | 480 | | 100 | 28 | mg/L | | | 04/11/18 13:24 | 20 |

Definitions/Glossary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Qualifiers

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Rad

| Qualifier | Qualifier Description |
|-----------|---|
| U | Result is less than the sample detection limit. |

Glossary

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

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07697 MW-1

Lab Sample ID: 400-151664-1

Date Collected: 03/27/18 09:17

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:11 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393243 | 04/09/18 11:47 | RRC | TAL PEN |

Client Sample ID: AY07698 MW-2

Lab Sample ID: 400-151664-2

Date Collected: 03/27/18 13:42

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 14:06 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:14 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 393243 | 04/09/18 12:21 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 18:58 | SMR | TAL SL |

Client Sample ID: AY07699 PZ-5

Lab Sample ID: 400-151664-3

Date Collected: 03/27/18 15:56

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 14:30 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:14 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 393243 | 04/09/18 10:25 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 19:20 | SMR | TAL SL |

Client Sample ID: AY07700 MW-5

Lab Sample ID: 400-151664-4

Date Collected: 03/27/18 17:05

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 14:54 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:14 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 40 | 393243 | 04/09/18 12:23 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 19:43 | SMR | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07701 MW-6

Lab Sample ID: 400-151664-5

Date Collected: 03/27/18 17:43

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 15:19 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:14 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393243 | 04/09/18 11:47 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 20:06 | SMR | TAL SL |

Client Sample ID: AY07702 MW-6 DUP

Lab Sample ID: 400-151664-6

Date Collected: 03/27/18 17:43

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 15:43 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393243 | 04/09/18 11:47 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 20:28 | SMR | TAL SL |

Client Sample ID: AY07703 MW-8S

Lab Sample ID: 400-151664-7

Date Collected: 03/28/18 12:37

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 16:07 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 393243 | 04/09/18 11:02 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 20:51 | SMR | TAL SL |

Client Sample ID: AY07704 MW-8D

Lab Sample ID: 400-151664-8

Date Collected: 03/28/18 13:30

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393074 | 04/07/18 16:33 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393547 | 04/11/18 11:07 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 21:13 | SMR | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07705 MW-9S

Lab Sample ID: 400-151664-9

Date Collected: 03/28/18 11:10

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393547 | 04/11/18 11:11 | RRC | TAL PEN |

Client Sample ID: AY07706 MW-9D

Lab Sample ID: 400-151664-10

Date Collected: 03/28/18 11:52

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393547 | 04/11/18 11:11 | RRC | TAL PEN |

Client Sample ID: AY07707 MW-11

Lab Sample ID: 400-151664-11

Date Collected: 03/27/18 11:35

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 15:03 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 393243 | 04/09/18 11:51 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 21:36 | SMR | TAL SL |

Client Sample ID: AY07708 MW-12

Lab Sample ID: 400-151664-12

Date Collected: 03/28/18 14:55

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 15:29 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:21 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 393547 | 04/11/18 11:30 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 21:59 | SMR | TAL SL |

Client Sample ID: AY07709 MW-13S

Lab Sample ID: 400-151664-13

Date Collected: 03/28/18 09:02

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:22 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 393547 | 04/11/18 09:44 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07710 MW-13D

Lab Sample ID: 400-151664-14

Date Collected: 03/28/18 09:42

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 15:55 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393324 | 04/10/18 08:22 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 393547 | 04/11/18 09:44 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 22:21 | SMR | TAL SL |

Client Sample ID: AY07711 EB-1

Lab Sample ID: 400-151664-15

Date Collected: 03/28/18 15:13

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 11:44 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:26 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 393547 | 04/11/18 08:37 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 23:29 | SMR | TAL SL |

Client Sample ID: AY07712 FB-2

Lab Sample ID: 400-151664-16

Date Collected: 03/28/18 08:45

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 12:08 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:26 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 393547 | 04/11/18 08:44 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/12/18 23:52 | SMR | TAL SL |

Client Sample ID: AY07713 MW-3D

Lab Sample ID: 400-151664-17

Date Collected: 03/27/18 09:55

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 16:21 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:26 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393243 | 04/09/18 11:51 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/13/18 00:15 | SMR | TAL SL |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07714 MW-3S

Lab Sample ID: 400-151664-18

Date Collected: 03/27/18 10:57

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 393243 | 04/09/18 10:59 | RRC | TAL PEN |

Client Sample ID: AY07715 MW-4

Lab Sample ID: 400-151664-19

Date Collected: 03/27/18 12:00

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 16:47 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 393243 | 04/09/18 11:54 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/13/18 00:37 | SMR | TAL SL |

Client Sample ID: AY07716 MW-4 DUP

Lab Sample ID: 400-151664-20

Date Collected: 03/27/18 12:00

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 17:12 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 393243 | 04/09/18 11:54 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360362 | 04/11/18 14:55 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 360829 | 04/13/18 01:00 | SMR | TAL SL |

Client Sample ID: AY07717 MW-7S

Lab Sample ID: 400-151664-21

Date Collected: 03/27/18 14:37

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393123 | 04/08/18 17:38 | WPD | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 393243 | 04/09/18 10:59 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360860 | 04/13/18 13:52 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 361094 | 04/13/18 18:12 | SMR | TAL SL |

Client Sample ID: AY07718 MW-7D

Lab Sample ID: 400-151664-22

Date Collected: 03/27/18 15:32

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393159 | 04/09/18 09:24 | S1K | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 393243 | 04/09/18 11:02 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360860 | 04/13/18 13:52 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 361094 | 04/13/18 18:32 | SMR | TAL SL |

Client Sample ID: AY07719 FB-1

Lab Sample ID: 400-151664-23

Date Collected: 03/27/18 16:00

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393159 | 04/09/18 08:34 | S1K | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 393243 | 04/09/18 10:29 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360860 | 04/13/18 13:52 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 361094 | 04/13/18 18:53 | SMR | TAL SL |

Client Sample ID: AY07720 MW-16

Lab Sample ID: 400-151664-24

Date Collected: 03/28/18 10:20

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393159 | 04/09/18 09:50 | S1K | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:29 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393547 | 04/11/18 11:15 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360860 | 04/13/18 13:52 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 361094 | 04/13/18 19:14 | SMR | TAL SL |

Client Sample ID: AY07721 MW-15

Lab Sample ID: 400-151664-25

Date Collected: 03/28/18 12:00

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393159 | 04/09/18 10:14 | S1K | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 393547 | 04/11/18 09:48 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360860 | 04/13/18 13:52 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 361094 | 04/13/18 20:16 | SMR | TAL SL |

Client Sample ID: AY07722 MW-14

Lab Sample ID: 400-151664-26

Date Collected: 03/28/18 12:52

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 2 | 393547 | 04/11/18 11:15 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07723 MW-14 DUP

Lab Sample ID: 400-151664-27

Date Collected: 03/28/18 12:52

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 2 | 393547 | 04/11/18 11:20 | RRC | TAL PEN |

Client Sample ID: AY07724 FB-3

Lab Sample ID: 400-151664-28

Date Collected: 03/28/18 13:10

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 1 | 393547 | 04/11/18 08:44 | RRC | TAL PEN |

Client Sample ID: AY07725 MW-10

Lab Sample ID: 400-151664-29

Date Collected: 03/28/18 14:18

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 393159 | 04/09/18 10:38 | S1K | TAL PEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 30 | 393547 | 04/11/18 11:30 | RRC | TAL PEN |
| Total/NA | Prep | LSC_Dist_Susp | | | 360860 | 04/13/18 13:52 | JDL | TAL SL |
| Total/NA | Analysis | 906.0 | | 1 | 361094 | 04/13/18 20:37 | SMR | TAL SL |

Client Sample ID: AY07726 AP-1

Lab Sample ID: 400-151664-30

Date Collected: 03/28/18 15:00

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393547 | 04/11/18 11:20 | RRC | TAL PEN |

Client Sample ID: AY07727 AP-2

Lab Sample ID: 400-151664-31

Date Collected: 03/28/18 15:15

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393547 | 04/11/18 11:20 | RRC | TAL PEN |

Lab Chronicle

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Client Sample ID: AY07728 AP-3

Lab Sample ID: 400-151664-32

Date Collected: 03/28/18 15:30

Matrix: Water

Date Received: 04/02/18 09:18

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 393363 | 04/10/18 09:36 | RRC | TAL PEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 393567 | 04/11/18 13:24 | RRC | TAL PEN |

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

GC/MS VOA

Analysis Batch: 393074

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-151664-2 | AY07698 MW-2 | Total/NA | Water | 8260C | |
| 400-151664-3 | AY07699 PZ-5 | Total/NA | Water | 8260C | |
| 400-151664-4 | AY07700 MW-5 | Total/NA | Water | 8260C | |
| 400-151664-5 | AY07701 MW-6 | Total/NA | Water | 8260C | |
| 400-151664-6 | AY07702 MW-6 DUP | Total/NA | Water | 8260C | |
| 400-151664-7 | AY07703 MW-8S | Total/NA | Water | 8260C | |
| 400-151664-8 | AY07704 MW-8D | Total/NA | Water | 8260C | |
| MB 400-393074/4 | Method Blank | Total/NA | Water | 8260C | |
| LCS 400-393074/1002 | Lab Control Sample | Total/NA | Water | 8260C | |
| 400-151426-A-11 MS | Matrix Spike | Total/NA | Water | 8260C | |
| 400-151426-A-11 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260C | |

Analysis Batch: 393123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-151664-11 | AY07707 MW-11 | Total/NA | Water | 8260C | |
| 400-151664-12 | AY07708 MW-12 | Total/NA | Water | 8260C | |
| 400-151664-14 | AY07710 MW-13D | Total/NA | Water | 8260C | |
| 400-151664-15 | AY07711 EB-1 | Total/NA | Water | 8260C | |
| 400-151664-16 | AY07712 FB-2 | Total/NA | Water | 8260C | |
| 400-151664-17 | AY07713 MW-3D | Total/NA | Water | 8260C | |
| 400-151664-19 | AY07715 MW-4 | Total/NA | Water | 8260C | |
| 400-151664-20 | AY07716 MW-4 DUP | Total/NA | Water | 8260C | |
| 400-151664-21 | AY07717 MW-7S | Total/NA | Water | 8260C | |
| MB 400-393123/4 | Method Blank | Total/NA | Water | 8260C | |
| LCS 400-393123/1002 | Lab Control Sample | Total/NA | Water | 8260C | |
| 400-151762-A-2 MS | Matrix Spike | Total/NA | Water | 8260C | |
| 400-151762-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260C | |

Analysis Batch: 393159

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-151664-22 | AY07718 MW-7D | Total/NA | Water | 8260C | |
| 400-151664-23 | AY07719 FB-1 | Total/NA | Water | 8260C | |
| 400-151664-24 | AY07720 MW-16 | Total/NA | Water | 8260C | |
| 400-151664-25 | AY07721 MW-15 | Total/NA | Water | 8260C | |
| 400-151664-29 | AY07725 MW-10 | Total/NA | Water | 8260C | |
| MB 400-393159/4 | Method Blank | Total/NA | Water | 8260C | |
| LCS 400-393159/1002 | Lab Control Sample | Total/NA | Water | 8260C | |
| 400-151829-I-1 MS | Matrix Spike | Total/NA | Water | 8260C | |
| 400-151829-I-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260C | |

General Chemistry

Analysis Batch: 393243

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 400-151664-1 | AY07697 MW-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-2 | AY07698 MW-2 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-3 | AY07699 PZ-5 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-4 | AY07700 MW-5 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-5 | AY07701 MW-6 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-6 | AY07702 MW-6 DUP | Total/NA | Water | SM 4500 SO4 E | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

General Chemistry (Continued)

Analysis Batch: 393243 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 400-151664-7 | AY07703 MW-8S | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-11 | AY07707 MW-11 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-17 | AY07713 MW-3D | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-18 | AY07714 MW-3S | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-19 | AY07715 MW-4 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-20 | AY07716 MW-4 DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-21 | AY07717 MW-7S | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-22 | AY07718 MW-7D | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-23 | AY07719 FB-1 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-393243/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-393243/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-393243/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-1 MS | AY07697 MW-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-1 MSD | AY07697 MW-1 | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 393324

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 400-151664-1 | AY07697 MW-1 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-2 | AY07698 MW-2 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-3 | AY07699 PZ-5 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-4 | AY07700 MW-5 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-5 | AY07701 MW-6 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-6 | AY07702 MW-6 DUP | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-7 | AY07703 MW-8S | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-8 | AY07704 MW-8D | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-9 | AY07705 MW-9S | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-10 | AY07706 MW-9D | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-11 | AY07707 MW-11 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-12 | AY07708 MW-12 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-13 | AY07709 MW-13S | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-14 | AY07710 MW-13D | Total/NA | Water | SM 4500 CI- E | |
| MB 400-393324/6 | Method Blank | Total/NA | Water | SM 4500 CI- E | |
| LCS 400-393324/7 | Lab Control Sample | Total/NA | Water | SM 4500 CI- E | |
| MRL 400-393324/3 | Lab Control Sample | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-1 MS | AY07697 MW-1 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-1 MSD | AY07697 MW-1 | Total/NA | Water | SM 4500 CI- E | |

Analysis Batch: 393363

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 400-151664-15 | AY07711 EB-1 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-16 | AY07712 FB-2 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-17 | AY07713 MW-3D | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-18 | AY07714 MW-3S | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-19 | AY07715 MW-4 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-20 | AY07716 MW-4 DUP | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-21 | AY07717 MW-7S | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-22 | AY07718 MW-7D | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-23 | AY07719 FB-1 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-24 | AY07720 MW-16 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-25 | AY07721 MW-15 | Total/NA | Water | SM 4500 CI- E | |
| 400-151664-26 | AY07722 MW-14 | Total/NA | Water | SM 4500 CI- E | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

General Chemistry (Continued)

Analysis Batch: 393363 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-151664-27 | AY07723 MW-14 DUP | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-28 | AY07724 FB-3 | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-29 | AY07725 MW-10 | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-30 | AY07726 AP-1 | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-31 | AY07727 AP-2 | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-32 | AY07728 AP-3 | Total/NA | Water | SM 4500 Cl- E | |
| MB 400-393363/6 | Method Blank | Total/NA | Water | SM 4500 Cl- E | |
| LCS 400-393363/7 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| MRL 400-393363/3 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-15 MS | AY07711 EB-1 | Total/NA | Water | SM 4500 Cl- E | |
| 400-151664-15 MSD | AY07711 EB-1 | Total/NA | Water | SM 4500 Cl- E | |

Analysis Batch: 393547

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 400-151664-8 | AY07704 MW-8D | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-9 | AY07705 MW-9S | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-10 | AY07706 MW-9D | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-12 | AY07708 MW-12 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-13 | AY07709 MW-13S | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-14 | AY07710 MW-13D | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-15 | AY07711 EB-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-16 | AY07712 FB-2 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-24 | AY07720 MW-16 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-25 | AY07721 MW-15 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-26 | AY07722 MW-14 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-27 | AY07723 MW-14 DUP | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-28 | AY07724 FB-3 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-29 | AY07725 MW-10 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-30 | AY07726 AP-1 | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-31 | AY07727 AP-2 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-393547/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-393547/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-393547/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-8 MS | AY07704 MW-8D | Total/NA | Water | SM 4500 SO4 E | |
| 400-151664-8 MSD | AY07704 MW-8D | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 393567

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 400-151664-32 | AY07728 AP-3 | Total/NA | Water | SM 4500 SO4 E | |
| MB 400-393567/6 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| LCS 400-393567/7 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MRL 400-393567/3 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| 400-151696-B-13 MS | Matrix Spike | Total/NA | Water | SM 4500 SO4 E | |
| 400-151696-B-13 MSD | Matrix Spike Duplicate | Total/NA | Water | SM 4500 SO4 E | |

Rad

Prep Batch: 360362

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 400-151664-2 | AY07698 MW-2 | Total/NA | Water | LSC_Dist_Susp | |

TestAmerica Pensacola

QC Association Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Rad (Continued)

Prep Batch: 360362 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|---------------|------------|
| 400-151664-3 | AY07699 PZ-5 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-4 | AY07700 MW-5 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-5 | AY07701 MW-6 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-6 | AY07702 MW-6 DUP | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-7 | AY07703 MW-8S | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-8 | AY07704 MW-8D | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-11 | AY07707 MW-11 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-12 | AY07708 MW-12 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-14 | AY07710 MW-13D | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-15 | AY07711 EB-1 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-16 | AY07712 FB-2 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-17 | AY07713 MW-3D | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-19 | AY07715 MW-4 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-20 | AY07716 MW-4 DUP | Total/NA | Water | LSC_Dist_Susp | |
| MB 160-360362/1-A | Method Blank | Total/NA | Water | LSC_Dist_Susp | |
| LCS 160-360362/2-A | Lab Control Sample | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-14 MS | AY07710 MW-13D | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-14 MSD | AY07710 MW-13D | Total/NA | Water | LSC_Dist_Susp | |

Prep Batch: 360860

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|---------------|------------|
| 400-151664-21 | AY07717 MW-7S | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-22 | AY07718 MW-7D | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-23 | AY07719 FB-1 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-24 | AY07720 MW-16 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-25 | AY07721 MW-15 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-29 | AY07725 MW-10 | Total/NA | Water | LSC_Dist_Susp | |
| MB 160-360860/1-A | Method Blank | Total/NA | Water | LSC_Dist_Susp | |
| LCS 160-360860/2-A | Lab Control Sample | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-24 MS | AY07720 MW-16 | Total/NA | Water | LSC_Dist_Susp | |
| 400-151664-24 MSD | AY07720 MW-16 | Total/NA | Water | LSC_Dist_Susp | |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-393074/4

Matrix: Water

Analysis Batch: 393074

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/07/18 08:29 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/07/18 08:29 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/07/18 08:29 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|--------------|----------|----------|----------------|---------|
| Dibromofluoromethane | 92 | | 81 - 121 | | 04/07/18 08:29 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | 04/07/18 08:29 | 1 |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | 04/07/18 08:29 | 1 |

Lab Sample ID: LCS 400-393074/1002

Matrix: Water

Analysis Batch: 393074

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Trichlorofluoromethane | 50.0 | 45.4 | | ug/L | | 91 | 65 - 138 |
| Dichlorodifluoromethane | 50.0 | 60.8 | | ug/L | | 122 | 41 - 146 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0 | 53.4 | | ug/L | | 107 | 60 - 139 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|----------------------|---------------|---------------|----------|
| Dibromofluoromethane | 92 | | 81 - 121 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 |

Lab Sample ID: 400-151426-A-11 MS

Matrix: Water

Analysis Batch: 393074

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Trichlorofluoromethane | <0.52 | | 50.0 | 40.9 | | ug/L | | 82 | 54 - 150 |
| Dichlorodifluoromethane | <0.85 | | 50.0 | 55.8 | | ug/L | | 112 | 16 - 150 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 50.0 | 54.6 | | ug/L | | 109 | 55 - 150 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|----------------------|--------------|--------------|----------|
| Dibromofluoromethane | 91 | | 81 - 121 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 |

Lab Sample ID: 400-151426-A-11 MSD

Matrix: Water

Analysis Batch: 393074

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Trichlorofluoromethane | <0.52 | | 50.0 | 46.2 | | ug/L | | 92 | 54 - 150 | 12 | 30 |
| Dichlorodifluoromethane | <0.85 | | 50.0 | 63.9 | | ug/L | | 128 | 16 - 150 | 14 | 31 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 50.0 | 53.1 | | ug/L | | 106 | 55 - 150 | 3 | 30 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

| Surrogate | MSD | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane | 90 | | 81 - 121 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |
| 4-Bromofluorobenzene | 91 | | 78 - 118 |

Lab Sample ID: MB 400-393123/4
Matrix: Water
Analysis Batch: 393123

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

| Analyte | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/08/18 08:07 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/08/18 08:07 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/08/18 08:07 | 1 |

| Surrogate | MB | | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Dibromofluoromethane | 90 | | 81 - 121 | | 04/08/18 08:07 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | | 04/08/18 08:07 | 1 |
| 4-Bromofluorobenzene | 91 | | 78 - 118 | | 04/08/18 08:07 | 1 |

Lab Sample ID: LCS 400-393123/1002
Matrix: Water
Analysis Batch: 393123

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

| Analyte | Spike Added | LCS | | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|--------|-----------|------|---|------|--------------|
| | | Result | Qualifier | | | | |
| Trichlorofluoromethane | 50.0 | 45.6 | | ug/L | | 91 | 65 - 138 |
| Dichlorodifluoromethane | 50.0 | 60.8 | | ug/L | | 122 | 41 - 146 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0 | 56.3 | | ug/L | | 113 | 60 - 139 |

| Surrogate | LCS | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane | 93 | | 81 - 121 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 |

Lab Sample ID: 400-151762-A-2 MS
Matrix: Water
Analysis Batch: 393123

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|--------|-----------|------|---|------|--------------|
| | | | | Result | Qualifier | | | | |
| Trichlorofluoromethane | <0.52 | | 50.0 | 43.3 | | ug/L | | 87 | 54 - 150 |
| Dichlorodifluoromethane | <0.85 | | 50.0 | 58.9 | | ug/L | | 118 | 16 - 150 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 50.0 | 54.8 | | ug/L | | 110 | 55 - 150 |

| Surrogate | MS | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane | 92 | | 81 - 121 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 |
| 4-Bromofluorobenzene | 91 | | 78 - 118 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-151762-A-2 MSD

Matrix: Water

Analysis Batch: 393123

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Trichlorofluoromethane | <0.52 | | 50.0 | 41.0 | | ug/L | | 82 | 54 - 150 | 5 | 30 |
| Dichlorodifluoromethane | <0.85 | | 50.0 | 56.4 | | ug/L | | 113 | 16 - 150 | 4 | 31 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 50.0 | 52.6 | | ug/L | | 105 | 55 - 150 | 4 | 30 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|----------------------|---------------|---------------|----------|
| Dibromofluoromethane | 90 | | 81 - 121 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 |

Lab Sample ID: MB 400-393159/4

Matrix: Water

Analysis Batch: 393159

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Trichlorofluoromethane | <0.52 | | 1.0 | 0.52 | ug/L | | | 04/09/18 08:10 | 1 |
| Dichlorodifluoromethane | <0.85 | | 1.0 | 0.85 | ug/L | | | 04/09/18 08:10 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 1.0 | 0.50 | ug/L | | | 04/09/18 08:10 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|--------------|----------|----------|----------------|---------|
| Dibromofluoromethane | 93 | | 81 - 121 | | 04/09/18 08:10 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | 04/09/18 08:10 | 1 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | 04/09/18 08:10 | 1 |

Lab Sample ID: LCS 400-393159/1002

Matrix: Water

Analysis Batch: 393159

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Trichlorofluoromethane | 50.0 | 45.5 | | ug/L | | 91 | 65 - 138 |
| Dichlorodifluoromethane | 50.0 | 60.0 | | ug/L | | 120 | 41 - 146 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0 | 54.4 | | ug/L | | 109 | 60 - 139 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|----------------------|---------------|---------------|----------|
| Dibromofluoromethane | 93 | | 81 - 121 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |
| 4-Bromofluorobenzene | 91 | | 78 - 118 |

Lab Sample ID: 400-151829-I-1 MS

Matrix: Water

Analysis Batch: 393159

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Trichlorofluoromethane | <0.52 | | 50.0 | 43.2 | | ug/L | | 86 | 54 - 150 |
| Dichlorodifluoromethane | <0.85 | | 50.0 | 58.2 | | ug/L | | 116 | 16 - 150 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 50.0 | 54.6 | | ug/L | | 109 | 55 - 150 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

| Surrogate | MS MS | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane | 91 | | 81 - 121 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 |

Lab Sample ID: 400-151829-I-1 MSD
Matrix: Water
Analysis Batch: 393159

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | RPD |
|---------------------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | Limits | | Limit |
| Trichlorofluoromethane | <0.52 | | 50.0 | 42.5 | | ug/L | | 85 | 54 - 150 | 2 | 30 |
| Dichlorodifluoromethane | <0.85 | | 50.0 | 56.8 | | ug/L | | 114 | 16 - 150 | 2 | 31 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.50 | | 50.0 | 52.3 | | ug/L | | 105 | 55 - 150 | 4 | 30 |

| Surrogate | MSD MSD | | Limits |
|----------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane | 91 | | 81 - 121 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 |
| 4-Bromofluorobenzene | 92 | | 78 - 118 |

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-393324/6
Matrix: Water
Analysis Batch: 393324

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

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Chloride | 1.03 | J | 2.0 | 0.60 | mg/L | | | 04/10/18 08:11 | 1 |

Lab Sample ID: LCS 400-393324/7
Matrix: Water
Analysis Batch: 393324

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

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|----------|-------|------|-----|------|---|------|----------|
| | | | | | | | Result |
| Chloride | 30.0 | 30.7 | | mg/L | | 102 | 90 - 110 |

Lab Sample ID: MRL 400-393324/3
Matrix: Water
Analysis Batch: 393324

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

| Analyte | Spike | MRL | MRL | Unit | D | %Rec | %Rec. |
|----------|-------|------|-----|------|---|------|----------|
| | | | | | | | Result |
| Chloride | 2.00 | 2.51 | | mg/L | | 126 | 50 - 150 |

Lab Sample ID: 400-151664-1 MS
Matrix: Water
Analysis Batch: 393324

Client Sample ID: AY07697 MW-1
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|
| | Result | Qualifier | | Result | Qualifier | | | | Limits |
| Chloride | 13 | B | 10.0 | 22.7 | | mg/L | | 98 | 73 - 120 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 400-151664-1 MSD
Matrix: Water
Analysis Batch: 393324

Client Sample ID: AY07697 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 13 | B | 10.0 | 22.6 | | mg/L | | 97 | 73 - 120 | 1 | 8 |

Lab Sample ID: MB 400-393363/6
Matrix: Water
Analysis Batch: 393363

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Chloride | 1.03 | J | 2.0 | 0.60 | mg/L | | | 04/10/18 09:26 | 1 |

Lab Sample ID: LCS 400-393363/7
Matrix: Water
Analysis Batch: 393363

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 30.0 | 31.3 | | mg/L | | 104 | 90 - 110 |

Lab Sample ID: MRL 400-393363/3
Matrix: Water
Analysis Batch: 393363

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 2.00 | 2.38 | | mg/L | | 119 | 50 - 150 |

Lab Sample ID: 400-151664-15 MS
Matrix: Water
Analysis Batch: 393363

Client Sample ID: AY07711 EB-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chloride | 1.1 | J B | 10.0 | 10.6 | | mg/L | | 95 | 73 - 120 |

Lab Sample ID: 400-151664-15 MSD
Matrix: Water
Analysis Batch: 393363

Client Sample ID: AY07711 EB-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Chloride | 1.1 | J B | 10.0 | 10.6 | | mg/L | | 95 | 73 - 120 | 0 | 8 |

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-393243/6
Matrix: Water
Analysis Batch: 393243

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/09/18 10:18 | 1 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 400-393243/7
Matrix: Water
Analysis Batch: 393243

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 14.2 | | mg/L | | 95 | 90 - 110 |

Lab Sample ID: MRL 400-393243/3
Matrix: Water
Analysis Batch: 393243

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 4.41 | J | mg/L | | 88 | 50 - 150 |

Lab Sample ID: 400-151664-1 MS
Matrix: Water
Analysis Batch: 393243

Client Sample ID: AY07697 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 430 | F1 | 200 | 425 | F1 | mg/L | | -2 | 77 - 128 |

Lab Sample ID: 400-151664-1 MSD
Matrix: Water
Analysis Batch: 393243

Client Sample ID: AY07697 MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 430 | F1 | 200 | 423 | F1 | mg/L | | -3 | 77 - 128 | 1 | 5 |

Lab Sample ID: MB 400-393547/6
Matrix: Water
Analysis Batch: 393547

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/11/18 08:30 | 1 |

Lab Sample ID: LCS 400-393547/7
Matrix: Water
Analysis Batch: 393547

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 14.1 | | mg/L | | 94 | 90 - 110 |

Lab Sample ID: MRL 400-393547/3
Matrix: Water
Analysis Batch: 393547

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 4.54 | J | mg/L | | 91 | 50 - 150 |

Lab Sample ID: 400-151664-8 MS
Matrix: Water
Analysis Batch: 393547

Client Sample ID: AY07704 MW-8D
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 400 | F1 | 200 | 392 | F1 | mg/L | | -2 | 77 - 128 |

TestAmerica Pensacola

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Lab Sample ID: 400-151664-8 MSD
Matrix: Water
Analysis Batch: 393547

Client Sample ID: AY07704 MW-8D
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 400 | F1 | 200 | 385 | F1 | mg/L | | -5 | 77 - 128 | 2 | 5 |

Lab Sample ID: MB 400-393567/6
Matrix: Water
Analysis Batch: 393567

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <1.4 | | 5.0 | 1.4 | mg/L | | | 04/11/18 12:56 | 1 |

Lab Sample ID: LCS 400-393567/7
Matrix: Water
Analysis Batch: 393567

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 15.0 | 14.1 | | mg/L | | 94 | 90 - 110 |

Lab Sample ID: MRL 400-393567/3
Matrix: Water
Analysis Batch: 393567

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 5.00 | 4.42 | J | mg/L | | 88 | 50 - 150 |

Lab Sample ID: 400-151696-B-13 MS
Matrix: Water
Analysis Batch: 393567

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | <1.4 | | 10.0 | 9.54 | | mg/L | | 95 | 77 - 128 |

Lab Sample ID: 400-151696-B-13 MSD
Matrix: Water
Analysis Batch: 393567

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | <1.4 | | 10.0 | 9.54 | | mg/L | | 95 | 77 - 128 | 0 | 5 |

Method: 906.0 - Tritium, Total (LSC)

Lab Sample ID: MB 160-360362/1-A
Matrix: Water
Analysis Batch: 360829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 360362

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----------------------|-----------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 54.05 | U | 208 | 208 | 500 | 362 | pCi/L | 04/11/18 14:55 | 04/12/18 18:12 | 1 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Method: 906.0 - Tritium, Total (LSC) (Continued)

Lab Sample ID: LCS 160-360362/2-A
Matrix: Water
Analysis Batch: 360829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 360362

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|---------|-------------|------------|----------|-----------------------|-----|-----|-------|------|--------------|
| Tritium | 2770 | 2577 | | 426 | 500 | 358 | pCi/L | 93 | 74 - 114 |

Lab Sample ID: 400-151664-14 MS
Matrix: Water
Analysis Batch: 360829

Client Sample ID: AY07710 MW-13D
Prep Type: Total/NA
Prep Batch: 360362

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|---------|---------------|-------------|-------------|-----------|---------|-----------------------|-----|-----|-------|------|--------------|
| Tritium | 167 | U | 2760 | 2712 | | 437 | 500 | 355 | pCi/L | 92 | 67 - 130 |

Lab Sample ID: 400-151664-14 MSD
Matrix: Water
Analysis Batch: 360829

Client Sample ID: AY07710 MW-13D
Prep Type: Total/NA
Prep Batch: 360362

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | RER | RER Limit |
|---------|---------------|-------------|-------------|------------|----------|-----------------------|-----|-----|-------|------|--------------|------|-----------|
| Tritium | 167 | U | 2770 | 2671 | | 429 | 500 | 346 | pCi/L | 90 | 67 - 130 | 0.05 | 1 |

Lab Sample ID: MB 160-360860/1-A
Matrix: Water
Analysis Batch: 361094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 360860

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----------------------|-----------------------|-----|-----|-------|----------------|----------------|---------|
| Tritium | 127.9 | U | 179 | 179 | 500 | 304 | pCi/L | 04/13/18 13:52 | 04/13/18 17:30 | 1 |

Lab Sample ID: LCS 160-360860/2-A
Matrix: Water
Analysis Batch: 361094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 360860

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|---------|-------------|------------|----------|-----------------------|-----|-----|-------|------|--------------|
| Tritium | 2760 | 2376 | | 381 | 500 | 292 | pCi/L | 86 | 74 - 114 |

Lab Sample ID: 400-151664-24 MS
Matrix: Water
Analysis Batch: 361094

Client Sample ID: AY07720 MW-16
Prep Type: Total/NA
Prep Batch: 360860

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits |
|---------|---------------|-------------|-------------|-----------|---------|-----------------------|-----|-----|-------|------|--------------|
| Tritium | -17.1 | U | 2760 | 2385 | | 386 | 500 | 302 | pCi/L | 86 | 67 - 130 |

QC Sample Results

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Method: 906.0 - Tritium, Total (LSC) (Continued)

Lab Sample ID: 400-151664-24 MSD
 Matrix: Water
 Analysis Batch: 361094

Client Sample ID: AY07720 MW-16
 Prep Type: Total/NA
 Prep Batch: 360860


| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | RER | RER Limit |
|---------|---------------|-------------|-------------|------------|----------|-----------------------|-----|-----|-------|------|--------------|------|-----------|
| Tritium | -17.1 | U | 2760 | 2412 | | 391 | 500 | 306 | pCi/L | 87 | 67 - 130 | 0.03 | 1 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

TestAmerica Pensacola
 3355 McLemore Drive
 Pensacola, FL 32514
 Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record



| | | | | | |
|--|---------|---|---|--|-----------------------------|
| Client Information Client Contact: Sarah Copeland Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6121 (Tel) Email: sgcopela@southernco.com Project Name: CCR Site: Miller Ash Pond 1140 (ASD) | | Sampler: Anthony Goggins Lab PM: Whitney, Cheyenne R Phone: E-Mail: cheyenne.whitire@testamericainc.com | | Carrier Tracking No(s): 400-56525-24537.1 Page: Page 1 of 2 Job #: | |
| Due Date Requested: TAT Requested (days): PO #: WO #: Project #: 40007143 SSONW#: | | Analysis Requested <div style="text-align: center;">  400-151664 COC </div> | | | |
| Sample Identification | | Special Instructions/Note: | | | |
| AY07697 | 3/27/18 | 0917 | G | Water | MW-1 |
| AY07698 | 3/27/18 | 1342 | G | Water | MW-2 |
| AY07699 | 3/27/18 | 1556 | G | Water | PZ-5 |
| AY07700 | 3/27/18 | 1705 | G | Water | MW-5 |
| AY07701 | 3/27/18 | 1743 | G | Water | MW-6 |
| AY07702 | 3/27/18 | 1743 | G | Water | MW-6 Dup (Sample Duplicate) |
| AY07703 | 3/28/18 | 1237 | G | Water | MW-8S |
| AY07704 | 3/28/18 | 1330 | G | Water | MW-8D |
| AY07705 | 3/28/18 | 1110 | G | Water | MW-9S |
| AY07706 | 3/28/18 | 1152 | G | Water | MW-9D |
| AY07707 | 3/27/18 | 1135 | G | Water | MW-11 |
| AY07708 | 3/28/18 | 1455 | G | Water | MW-12 |
| AY07709 | 3/28/18 | 0902 | G | Water | MW-13S |
| AY07710 | 3/28/18 | 0942 | G | Water | MW-13D |
| AY07711 | 3/28/18 | 1513 | G | Water | EB-1 (Equipment Blank) |
| AY07712 | 3/28/18 | 0845 | G | Water | FB-2 (Field Blank) |

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: Sarah Copeland Date/Time: 3/30/2018, 0900 Company: APC
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: Yes No Δ Yes Δ No Δ No
 Cooler Temperature(s) Add Other Parameters: _____

TestAmerica Pensacola
 3355 McLemore Drive
 Pensacola, FL 32514
 Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record



| Client Information | | Sampler: Nick Pitts | | Lab PM: Whitmire, Cheyenne R | | Carrier Tracking No(s): | | COC No: 400-56525-24537.1 | | | | | |
|--|-------------|-------------------------------|------------------------------|---|-----------------------------------|----------------------------|-----------------|--|---------------------------|---|----------|----------------------------|------------------------------|
| Client Contact: Sarah Copeland | | Phone: | | E-Mail: cheyenne.whitmire@testamericainc.com | | | | Page: Page 2 of 2 | | | | | |
| Company: Alabama Power General Test Laboratory | | Due Date Requested: | | Analysis Requested | | | | Job #: | | | | | |
| Address: 744 County Rd 87 GSC #8 | | TAT Requested (days): Routine | | | | | | Preservation Codes: | | | | | |
| City: Calera | | | | | | | | A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | | | | | |
| State, Zip: AL, 35040 | | PO #: | | WO #: | | | | M - Hexane N - None O - ASNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph #5 Z - other (specify) | | | | | |
| Phone: 205-664-6121(Tel) | | Project #: | | Project Name: | | | | Special Instructions/Note: | | | | | |
| Email: sgcopela@southernco.com | | 40007143 | | 40007143 | | | | | | | | | |
| Site: Miller Ash Pond 1140 (ASD) | | SSOW#: | | | | | | | | | | | |
| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=soil, BT=tissue, A=air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Tritium EPA 906 | SM 4500 Cl _E | SM 4500 SO ₄ E | 8260 (CFC-11, CFC-12, CFS-113) | Boron-11 | Total Number of Containers | Special Instructions/Note: |
| AY07713 | 3/27/18 | 0955 | G | Water | X | X | X | X | X | X | X | 6 | MW-3D |
| AY07714 | 3/27/18 | 1057 | G | Water | | X | X | X | X | X | | 1 | MW-3S |
| AY07715 | 3/27/18 | 1200 | G | Water | X | X | X | X | X | X | X | 6 | MW-4 |
| AY07716 | 3/27/18 | 1200 | G | Water | X | X | X | X | X | X | X | 6 | MW-4 Dup (Sample Duplicate) |
| AY07717 | 3/27/18 | 1437 | G | Water | X | X | X | X | X | X | X | 6 | MW-7S |
| AY07718 | 3/27/18 | 1532 | G | Water | X | X | X | X | X | X | X | 6 | MW-7D |
| AY07719 | 3/27/18 | 1600 | G | Water | X | X | X | X | X | X | X | 6 | FB-1 (Field Blank) |
| AY07720 | 3/28/18 | 1020 | G | Water | | X | X | X | X | X | X | 8 | MW-16 |
| AY07721 | 3/28/18 | 1200 | G | Water | Y | X | X | X | X | X | X | 5 | MW-15 |
| AY07722 | 3/28/18 | 1252 | G | Water | | X | X | X | X | X | X | 1 | MW-14 |
| AY07723 | 3/28/18 | 1252 | G | Water | | X | X | X | X | X | X | 1 | MW-14 Dup (Sample Duplicate) |
| AY07724 | 3/28/18 | 1310 | G | Water | | X | X | X | X | X | X | 1 | FB-3 (Field Blank) |
| AY07725 | 3/28/18 | 1418 | G | Water | | X | X | X | X | X | X | 6 | MW-10 |
| AY07726 | 3/28/18 | 1500 | G | Water | | X | X | X | X | X | X | 1 | AP-1 |
| AY07727 | 3/28/18 | 1515 | G | Water | | X | X | X | X | X | X | 1 | AP-2 |
| AY07728 | 3/28/18 | 1530 | G | Water | | X | X | X | X | X | X | 1 | AP-3 |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | |
| Empty Kit Relinquished by: | | | | | | | | | | Method of Shipment: | | | |
| Relinquished by: Sarah Copeland | | | | | | | | | | Date/Time: 3/30/2018; 0600 | | | |
| Relinquished by: | | | | | | | | | | Date/Time: | | | |
| Relinquished by: | | | | | | | | | | Date/Time: | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | Cooler Temperature(s) °C and Other Remarks: | | | |



Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-151664-1
SDG Number: Miller Ash Pond 1140 (ASD)

Login Number: 151664
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|--|--------|-------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 12.0°C IR-8 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-151664-1
SDG Number: Miller Ash Pond 1140 (ASD)

Login Number: 151664
List Number: 2
Creator: Clarke, Jill C

List Source: TestAmerica St. Louis
List Creation: 04/04/18 12:18 PM

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.2 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-151664-1
SDG Number: Miller Ash Pond 1140 (ASD)

Login Number: 151664
List Number: 3
Creator: Taylor, Kristene N

List Source: TestAmerica St. Louis
List Creation: 04/12/18 04:31 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.2 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
 SDG: Miller Ash Pond 1140 (ASD)

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-18 |
| ANAB | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-18 |
| California | ELAP | 9 | 2510 | 03-31-18 * |
| Florida | NELAP | 4 | E81010 | 06-30-18 |
| Georgia | State Program | 4 | N/A | 06-30-18 |
| Illinois | NELAP | 5 | 200041 | 10-09-18 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-18 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| Louisiana | NELAP | 6 | 30976 | 06-30-18 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-18 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-18 |
| Michigan | State Program | 5 | 9912 | 06-30-18 |
| New Jersey | NELAP | 2 | FL006 | 06-30-18 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-18 |
| Tennessee | State Program | 4 | TN02907 | 06-30-18 |
| Texas | NELAP | 6 | T104704286-17-12 | 09-30-18 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-18 |
| Washington | State Program | 10 | C915 | 05-15-18 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-18 |

Laboratory: TestAmerica St. Louis

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|----------------|---------------|------------|-----------------------|-----------------|
| Alaska | State Program | 10 | MO00054 | 06-30-18 |
| Arizona | State Program | 9 | AZ0813 | 12-08-18 |
| California | State Program | 9 | 2886 | 06-30-18 * |
| Connecticut | State Program | 1 | PH-0241 | 03-31-19 |
| Florida | NELAP | 4 | E87689 | 06-30-18 |
| Illinois | NELAP | 5 | 200023 | 11-30-18 |
| Iowa | State Program | 7 | 373 | 12-01-18 |
| Kansas | NELAP | 7 | E-10236 | 10-31-18 |
| Kentucky (DW) | State Program | 4 | 90125 | 12-31-18 |
| L-A-B | DoD ELAP | | L2305 | 04-06-19 |
| Louisiana | NELAP | 6 | 04080 | 06-30-18 |
| Louisiana (DW) | NELAP | 6 | LA180017 | 12-31-18 |
| Maryland | State Program | 3 | 310 | 09-30-18 |
| Michigan | State Program | 5 | 9005 | 06-30-18 |
| Missouri | State Program | 7 | 780 | 06-30-18 |
| Nevada | State Program | 9 | MO000542018-1 | 07-31-18 |

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

Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-1
SDG: Miller Ash Pond 1140 (ASD)

Laboratory: TestAmerica St. Louis (Continued)

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|--------------------|---------------|------------|-----------------------|-----------------|
| New Jersey | NELAP | 2 | MO002 | 06-30-18 * |
| New York | NELAP | 2 | 11616 | 03-31-19 |
| North Dakota | State Program | 8 | R207 | 06-30-18 |
| NRC | NRC | | 24-24817-01 | 12-31-22 |
| Oklahoma | State Program | 6 | 9997 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00540 | 02-28-19 |
| South Carolina | State Program | 4 | 85002001 | 06-30-18 |
| Texas | NELAP | 6 | T104704193-17-11 | 07-31-18 |
| US Fish & Wildlife | Federal | | 058448 | 08-31-18 |
| USDA | Federal | | P330-17-0028 | 02-02-20 |
| Utah | NELAP | 8 | MO000542016-8 | 07-31-18 |
| Virginia | NELAP | 3 | 460230 | 06-14-18 |
| Washington | State Program | 10 | C592 | 08-30-18 |
| West Virginia DEP | State Program | 3 | 381 | 08-31-18 * |

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

TestAmerica Pensacola

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-151664-2

TestAmerica SDG: Miller Ash Pond 1140 (ASD)

Client Project/Site: CCR Plant Miller

For:

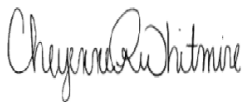
Alabama Power General Test Laboratory

744 County Rd 87

GSC #8

Calera, Alabama 35040

Attn: Sarah Copeland



Authorized for release by:

6/29/2018 4:32:36 PM

Cheyenne Whitmire, Project Manager II

(850)471-6222

cheyenne.whitmire@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7



Table of Contents

| | |
|---------------------------------|---|
| Cover Page | 1 |
| Table of Contents | 2 |
| Sample Summary | 3 |
| Chain of Custody | 4 |
| Receipt Checklists | 6 |
| Certification Summary | 7 |
| Subcontract Data | 8 |


Sample Summary

Client: Alabama Power General Test Laboratory
Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-2
SDG: Miller Ash Pond 1140 (ASD)

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 400-151664-3 | AY07699 PZ-5 | Water | 03/27/18 15:56 | 04/02/18 09:18 |
| 400-151664-4 | AY07700 MW-5 | Water | 03/27/18 17:05 | 04/02/18 09:18 |
| 400-151664-5 | AY07701 MW-6 | Water | 03/27/18 17:43 | 04/02/18 09:18 |
| 400-151664-6 | AY07702 MW-6 DUP | Water | 03/27/18 17:43 | 04/02/18 09:18 |
| 400-151664-7 | AY07703 MW-8S | Water | 03/28/18 12:37 | 04/02/18 09:18 |
| 400-151664-8 | AY07704 MW-8D | Water | 03/28/18 13:30 | 04/02/18 09:18 |
| 400-151664-12 | AY07708 MW-12 | Water | 03/28/18 14:55 | 04/02/18 09:18 |
| 400-151664-15 | AY07711 EB-1 | Water | 03/28/18 15:13 | 04/02/18 09:18 |
| 400-151664-16 | AY07712 FB-2 | Water | 03/28/18 08:45 | 04/02/18 09:18 |
| 400-151664-17 | AY07713 MW-3D | Water | 03/27/18 09:55 | 04/02/18 09:18 |
| 400-151664-19 | AY07715 MW-4 | Water | 03/27/18 12:00 | 04/02/18 09:18 |
| 400-151664-20 | AY07716 MW-4 DUP | Water | 03/27/18 12:00 | 04/02/18 09:18 |
| 400-151664-21 | AY07717 MW-7S | Water | 03/27/18 14:37 | 04/02/18 09:18 |
| 400-151664-22 | AY07718 MW-7D | Water | 03/27/18 15:32 | 04/02/18 09:18 |
| 400-151664-23 | AY07719 FB-1 | Water | 03/27/18 16:00 | 04/02/18 09:18 |
| 400-151664-24 | AY07720 MW-16 | Water | 03/28/18 10:20 | 04/02/18 09:18 |
| 400-151664-29 | AY07725 MW-10 | Water | 03/28/18 14:18 | 04/02/18 09:18 |

Chain of Custody Record

| Client Information | | Sampler: Anthony Goggins | | Lab PM: Whitmore, Chelyenne R | | COC No.: 400-56525-24537.1 | | | | | | | |
|---|-------------|------------------------------------|---------------------------------|---|--------------------|---|-------------------------------------|-----------------------------------|---------------------------|--------------------------------|---------|----------------------------|-----------------------------|
| Client Contact: Sarah Copeland | | Phone: | | E-Mail: chelyenne.whitmore@testamericainc.com | | Page: Page 1 of 2 | | | | | | | |
| Company: Alabama Power General Test Laboratory | | Due Date Requested: | | Carrier Tracking No(s): | | Job #: | | | | | | | |
| Address: 744 County Rd 87 GSC #8 | | TAT Requested (days): | | Analysis Requested | | Preservation Codes: | | | | | | | |
| City: Calera | | Routine | |  400-151664 COC | | A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: | | | | | | | |
| State, Zip: AL, 35040 | | PO #: | | | | M - Hexane N - None O - AshNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify) | | Special Instructions/Note: | | | | | |
| Phone: 205-664-6121(Tel) | | WO #: | | | | Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> X Tritium EPA 906 SM 4500 Cl _r SM 4500 SO ₄ F 8260 (CFC-11, CFC-12, CFS-113) Born-11 Total Number of Containers | | | | | | | |
| Email: sgcopela@southernco.com | | Project #: 40007143 | | | | | | | | | | | |
| Project Name: CCR | | SSOW#: | | | | | | | | | | | |
| Site: Miller Ash Pond 1140 (ASD) | | | | | | | | | | | | | |
| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=sewage, BT=Traslu, AP=) | Preservation Code: | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SM 4500 Cl _r | SM 4500 SO ₄ F | 8260 (CFC-11, CFC-12, CFS-113) | Born-11 | Total Number of Containers | Special Instructions/Note: |
| AY07697 | 3/27/18 | 0917 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 1 | MW-1 |
| AY07698 | 3/27/18 | 1342 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 5 | MW-2 |
| AY07699 | 3/27/18 | 1556 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | PZ-5 |
| AY07700 | 3/27/18 | 1705 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | MW-5 |
| AY07701 | 3/27/18 | 1743 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | MW-6 |
| AY07702 | 3/27/18 | 1743 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | MW-6 Dup (Sample Duplicate) |
| AY07703 | 3/28/18 | 1237 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | MW-8S |
| AY07704 | 3/28/18 | 1330 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | MW-8D |
| AY07705 | 3/28/18 | 1110 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 1 | MW-9S |
| AY07706 | 3/28/18 | 1152 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 1 | MW-9D |
| AY07707 | 3/27/18 | 1135 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 5 | MW-11 |
| AY07708 | 3/28/18 | 1455 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 6 | MW-12 |
| AY07709 | 3/28/18 | 0902 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | | | 1 | MW-13S |
| AY07710 | 3/28/18 | 0942 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Y | X | X | | 7 | MW-13D |
| AY07711 | 3/28/18 | 1513 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | X | | 6 | EB-1 (Equipment Blank) |
| AY07712 | 3/28/18 | 0845 | G | Water | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | X | X | X | | 6 | FB-2 (Field Blank) |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | | | | | |
| Special Instructions/QC Requirements: | | | | | | | | | | | | | |
| Empty Kit Relinquished by: _____ Date: _____ Relinquished by: Sarah Copeland Date/Time: 3/30/2018, 0900 Company: APC Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Delta <input type="checkbox"/> No <input type="checkbox"/> Custody Seal No.: _____ Cooler Temperature(s) <input type="checkbox"/> Add Other Parameters: | | | | | | | | | | | | | |

Chain of Custody Record

| | | | | | |
|--|--|---|--|---|--|
| Client Information Client Contact: Sarah Copeland Company: Alabama Power General Test Laboratory Address: 744 County Rd 87 GSC #8 City: Calera State, Zip: AL, 35040 Phone: 205-664-6121 (Tel) Email: sgcopela@southernco.com Project Name: CCR Site: Miller Ash Pond 1140 (ASD) | | Lab PM: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamericainc.com Sampler: Nick Pitts Phone: | | Carrier Tracking No(s): COC No: 400-56525-24537.1 Page: Page 2 of 2 Job #: | |
| Due Date Requested: TAT Requested (days): Routine PO #: 40007143 WO #: 40007143 Project #: 40007143 SOW#: | | Analysis Requested Total Number of Containers: 6 SM 4500 SO4_E SM 4500 Cl_E Titrilum EPA 906 Perform MS/MSD (Yes or No) N Field Filtered Sample (Yes or No) X Bron-11 8260 (CFC-11, CFC-12, CFS-113) | | | |
| Sample Identification Sample No: AY07713 Sample Date: 3/27/18 Sample Time: 0955 Sample Type (C=Comp, G=grab): G Matrix (Water, Solid, On-stabil, BT=Trasue, A=Al): Water Preservation Code: | | Special Instructions/Note: MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07714 Sample Date: 3/27/18 Sample Time: 1057 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07715 Sample Date: 3/27/18 Sample Time: 1200 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07716 Sample Date: 3/27/18 Sample Time: 1200 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07717 Sample Date: 3/27/18 Sample Time: 1437 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07718 Sample Date: 3/27/18 Sample Time: 1532 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07719 Sample Date: 3/27/18 Sample Time: 1600 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07720 Sample Date: 3/28/18 Sample Time: 1020 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07721 Sample Date: 3/28/18 Sample Time: 1200 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07722 Sample Date: 3/28/18 Sample Time: 1252 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07723 Sample Date: 3/28/18 Sample Time: 1252 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07724 Sample Date: 3/28/18 Sample Time: 1310 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07725 Sample Date: 3/28/18 Sample Time: 1418 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07726 Sample Date: 3/28/18 Sample Time: 1500 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07727 Sample Date: 3/28/18 Sample Time: 1515 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample No: AY07728 Sample Date: 3/28/18 Sample Time: 1530 Sample Type: G Matrix: Water Preservation Code: | | MW-3D MW-3S MW-4 MW-4 Dup (Sample Duplicate) MW-7S MW-7D FB-1 (Field Blank) MW-16 MW-15 MW-14 MW-14 Dup (Sample Duplicate) FB-3 (Field Blank) MW-10 AP-1 AP-2 AP-3 | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: | | Method of Shipment: Received by: Sarah Copeland Date/Time: 3/30/2018; 0600 Company: APC Relinquished by: Sarah Copeland Date/Time: Company: Relinquished by: Date/Time: Company: | | | |
| Empty Kit Relinquished by: Relinquished by: Sarah Copeland Date/Time: Company: Relinquished by: Date/Time: Company: | | Method of Shipment: Received by: Sarah Copeland Date/Time: 4/2/18 0918 Company: APC Relinquished by: Sarah Copeland Date/Time: Company: | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Cooler Temperature(s) °C and Other Remarks: | | | |

Login Sample Receipt Checklist

Client: Alabama Power General Test Laboratory

Job Number: 400-151664-2
SDG Number: Miller Ash Pond 1140 (ASD)

Login Number: 151664
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

| Question | Answer | Comment |
|---|--------|-------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 12.0°C IR-8 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Accreditation/Certification Summary

Client: Alabama Power General Test Laboratory
 Project/Site: CCR Plant Miller

TestAmerica Job ID: 400-151664-2
 SDG: Miller Ash Pond 1140 (ASD)

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-18 * |
| ANAB | ISO/IEC 17025 | | L2471 | 02-22-20 |
| Arizona | State Program | 9 | AZ0710 | 01-12-19 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-18 |
| California | State Program | 9 | 2510 | 06-30-18 * |
| Florida | NELAP | 4 | E81010 | 06-30-19 |
| Georgia | State Program | 4 | E81010 (FL) | 06-30-19 |
| Illinois | NELAP | 5 | 200041 | 10-09-18 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-18 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-19 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-18 |
| Louisiana | NELAP | 6 | 30976 | 06-30-19 |
| Louisiana (DW) | NELAP | 6 | LA170005 | 12-31-18 |
| Maryland | State Program | 3 | 233 | 09-30-18 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-19 |
| Michigan | State Program | 5 | 9912 | 06-30-18 * |
| New Jersey | NELAP | 2 | FL006 | 06-30-19 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-18 |
| Oklahoma | State Program | 6 | 9810 | 08-31-18 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-19 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-18 |
| South Carolina | State Program | 4 | 96026 | 06-30-18 * |
| Tennessee | State Program | 4 | TN02907 | 06-30-19 |
| Texas | NELAP | 6 | T104704286-18-14 | 09-30-18 |
| US Fish & Wildlife | Federal | | LE058448-0 | 07-31-18 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-19 |
| Washington | State Program | 10 | C915 | 05-15-19 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-18 * |

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



Isotope Analyses for:
TestAmerica
Pensacola

IT2 FILE #
180092

2018-06-29

Approved by:

Orfan SStash

Orfan Shouakar-Stash, PhD
Director

Isotope Tracer Technologies Inc.
695 Rupert St. Unit B, Waterloo, ON, N2V 1Z5

Tel: 519-886-5555 | Fax: 519-886-5575

Email: orfan@it2isotopes.com

Website: www.it2isotopes.com



Client: TestAmerica Pensacola
Address: 3355 McLemore Drive
 Pensacola, FL 32514
 USA
Tel: 850-474-1001
Fax: 850-478-2671
Attn.: Cheyenne R Whitmire
E-mail: cheyenne.whitmire@testamericainc.com

File Number: 180092
Project Number: 40007143
Project Name: CCR

| # | Sample ID | Sample Collection | | Sample # | $\delta^{11}\text{B}$ | Result | Stdv |
|----|----------------------------------|-------------------|-------|----------|-----------------------|--------|------|
| | | Date | Time | | | | |
| | | | | | | SMOB | |
| 1 | AY07699 PZ-5 (400-151664-3) | 3-27-18 | 15:56 | 50231 | X | 1.1 | 2.2 |
| 2 | AY07700 MW-5 (400-151664-4) | 3-27-18 | 17:05 | 50232 | X | -5.2 | |
| 3 | AY07701 MW-6 (400-151664-5) | 3-27-18 | 17:43 | 50233 | X | 4.1 | |
| 4 | AY07702 MW-6 DUP (400-151664-6) | 3-27-18 | 17:43 | 50234 | X | 3.2 | |
| 5 | AY07703 MW-8S (400-151664-7) | 3-28-18 | 12:37 | 50235 | X | 0.7 | -0.1 |
| 6 | AY07704 MW-8D (400-151664-8) | 3-28-18 | 13:30 | 50236 | X | 5.5 | |
| 7 | AY07708 MW-12 (400-151664-12) | 3-28-18 | 14:55 | 50237 | X | 3.0 | 3.8 |
| 8 | AY07711 EB-1 (400-151664-15) | 3-28-18 | 15:13 | 50238 | X | -5.6 | |
| 9 | AY07712 FB-2 (400-151664-16) | 3-28-18 | 8:45 | 50239 | X | -6.9 | |
| 10 | AY07713 MW-3D (400-151664-17) | 3-27-18 | 9:55 | 50240 | X | -0.5 | |
| 11 | AY07715 MW-4 (400-151664-19) | 3-27-18 | 12:00 | 50241 | X | 3.1 | |
| 12 | AY07716 MW-4 DUP (400-151664-20) | 3-27-18 | 12:00 | 50242 | X | 3.1 | |
| 13 | AY07717 MW-7S (400-151664-21) | 3-27-18 | 14:37 | 50243 | X | 1.5 | |
| 14 | AY07718 MW-7D (400-151664-22) | 3-27-18 | 15:32 | 50244 | X | 0.4 | |
| 15 | AY07719 FB-1 (400-151664-23) | 3-27-18 | 16:00 | 50245 | X | -11.7 | |
| 16 | AY07720 MW-16 (400-151664-24) | 3-28-18 | 10:20 | 50246 | X | 0.8 | 0.1 |
| 17 | AY07725 MW-10 (400-151664-29) | 3-28-18 | 14:18 | 50247 | X | 1.4 | 2.2 |

Notes:

B concebntration is low. Signal is very low and uncertainty is high. Data is not reliable.

11B Analyses

Instrument Used:

Thermal Ionization Mass Spectrometry (TIMS), TI-Box, spectromat, Germany

Standard Used:

120 ratios are taken for each sample and the average is used to calculate the delta value.

Delta values are calculated with respect to NIST SRM951a.

A secondary standard of sea water (SB1) is ran with each carousel.

Typical Standard deviation:

+/- 2 permil

Approved by:

Orfan S Stash

Orfan Shouakar-Stash, PhD

Director

Isotope Tracer Technologies Inc.

695 Rupert St. Unit B, Waterloo, ON, N2V 1Z5

Tel: 519-886-5555 | Fax: 519-886-5575

Email: orfan@it2isotopes.com

Website: www.it2isotopes.com



Miller Ash Pond

2018 Compliance Event 2 and General Chemistry

All samples were collected using methods defined in Alabama Power's Water Field Group Low-Flow Groundwater Sampling Procedure and the associated site-specific Sampling and Analysis Plan (SAP).

Very heavy vehicle and construction traffic next to well MW-1 while pumping and sampling.

7 field readings for pH at MW-1 were qualified due to pH readings falling outside of the bracketed calibration range. The below qualifier was used:

- E – Estimated reported value exceeded calibration range

Field quality control procedures were performed as follows:

- Blanks and Sample Duplicates were collected as described in the SAP.
- Calibration verification for all required field parameters were performed daily, before and after sample collection.

Alabama Power General Test Laboratory
744 County Road 87, GSC#8
Calera, AL 35040
(205) 664-6032 or 6171
FAX (205) 257-1654

Analytical Report



Sample Group : WMWMILAP_1170
Project/Site : Miller Ash Pond
Quinton, AL 35130
For : Southern Company Services
3535 Colonnade Parkway
Birmingham, AL 35243
Attention : Dustin Brooks & Greg Dyer
Released By : Laura Midkiff
lbmidkif@southernco.com
(205) 664-6197

The following data has been reviewed and approved by:

Quality Control: Laura Midkiff
Digitally signed by Laura Midkiff
DN: cn=Laura Midkiff, o=Alabama Power
Company, ou=Environmental Affairs,
email=lbmidkif@southernco.com, c=US
Date: 2018.11.07 10:58:40 -0600

Supervision: T. Durant
Maske

Digitally signed by T. Durant Maske
DN: cn=T. Durant Maske, o=Alabama
Power Company, ou=Environmental
Affairs, email=tdmaske@southernco.com,
c=US
Date: 2018.11.07 14:10:20 -0600

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY24161

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 26.3 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.61 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 2.98 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 6.98 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.155 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0564 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 143 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 8.08 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 208 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 2.32 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 206 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-1

Laboratory ID Number: AY24161

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24170 | Manganese, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY24162

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 56.0 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 2.39 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.11 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 47.9 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0716 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0599 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 89.7 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 7.13 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 194 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.25 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 194 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-11

Laboratory ID Number: AY24162

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Mangenes, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY24163

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 74.0 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.88 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.93 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 4.89 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.16 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.12 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 197 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.97 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 249 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.22 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 249 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-10

Laboratory ID Number: AY24163

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | Rec | | Prec | Limit |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | | | | | Limit | Prec | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Mangenes, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24164

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.44 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | U Not Detected | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24164

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|----------------|----------------|-----|-----------|-----------|-------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24165 | pH for Alkalinity | SU | | | | | 6.98 | 6.95 to 7.05 | | | | | | |
| AY24170 | Mangenes, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | 0.085 to 0.115 | | 101 | 70 to 130 | 3.65 | 20 | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.17 to 0.23 | | 103 | 70 to 130 | 1.45 | 20 | |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | | 89.4 | 70 to 130 | 0.669 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY24165

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 43.4 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.159 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 0.421 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 8.88 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 3.44 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 3.12 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 27.7 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.01 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 50.9 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.01 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 50.9 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-4

Laboratory ID Number: AY24165

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|-------|------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | |
| AY24170 | Manganese, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY24166

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 68.2 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0225 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.29 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0978 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0785 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 28.7 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.93 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 41.9 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.00 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 41.9 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9S

Laboratory ID Number: AY24166

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|-------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Mangenes, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY24167

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 50.3 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 101.5 | 1.015 | 5.075 | 44.4 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 101.5 | 1.015 | 5.075 | 43.8 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.87 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 3.12 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 3.03 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 52.8 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.87 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 50.4 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.00 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 50.4 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-9D

Laboratory ID Number: AY24167

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Mangenes, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangenes, Total | mg/L | 0.0000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY24168

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 51.7 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 4.13 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.92 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.29 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.63 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.51 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 80.2 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.39 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 97.1 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.02 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 97.1 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8D

Laboratory ID Number: AY24168

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|----------------|----------------|-----|-----------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | | |
| AY24165 | pH for Alkalinity | SU | | | | | 6.98 | 6.95 to 7.05 | | | | | | |
| AY24170 | Mangenes, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | 0.085 to 0.115 | | 101 | 70 to 130 | 3.65 | 20 | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.17 to 0.23 | | 103 | 70 to 130 | 1.45 | 20 | |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | | 89.4 | 70 to 130 | 0.669 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY24169

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.8 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0147 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.45 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0156 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0122 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 136 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.99 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 176 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.16 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 176 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S

Laboratory ID Number: AY24169

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | Rec | | Prec | Limit |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|-------|-----------|-------|-------|
| | | | | Limit | Spike | | | | | Limit | Prec | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24165 | pH for Alkalinity | SU | | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Mangnese, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 49.4 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 5.27 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.197 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 9.14 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.89 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangnese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.0893 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S DUP

Laboratory ID Number: AY24170

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.7 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0135 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.48 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0156 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0124 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 136 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/17/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.98 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/17/2018 | SM 2320 B | | 1 | | 0.1 | 174 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 0.16 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/17/2018 | SM 4500CO2 D | | 1 | | | 174 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Recovery for Magnesium and Sodium are out of spec. Spike amounts are less than 30% of the sample amounts. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-8S DUP

Laboratory ID Number: AY24170

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|----------------|-----------|-----------|-------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | |
| AY24165 | pH for Alkalinity | SU | | | | | 6.98 | 6.95 to 7.05 | | | | |
| AY24170 | Iron, Dissolved | mg/L | -0.000659 | 0.022 | 0.2 | 0.206 | 0.203 | 0.17 to 0.23 | 103 | 70 to 130 | 1.45 | 20 |
| AY24170 | Mangnese, Dissolved | mg/L | 0.0000181 | 0.005 | 0.10 | 0.116 | 0.112 | 0.085 to 0.115 | 101 | 70 to 130 | 3.65 | 20 |
| AY24165 | Alkalinity, Total as CaCO3 | mg/L | | | | | 51.0 | 45.0 to 55.0 | | | 0.196 | 10 |
| AY24170 | Sodium, Total | mg/L | -0.00456 | 0.22 | 5.00 | 143 | 142 | 4.25 to 5.75 | 135 | 70 to 130 | 0.558 | 20 |
| AY24170 | Magnesium, Total | mg/L | -0.0231 | 0.22 | 5.00 | 41.8 | 42.2 | 4.25 to 5.75 | 62.4 | 70 to 130 | 1.03 | 20 |
| AY24170 | Mangnese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 0.0962 | 0.0979 | 0.085 to 0.115 | 83.8 | 70 to 130 | 1.81 | 20 |
| AY24170 | Iron, Total | mg/L | -0.0000743 | 0.022 | 0.2 | 0.205 | 0.208 | 0.17 to 0.23 | 95.8 | 70 to 130 | 1.40 | 20 |
| AY24170 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 11.4 | 11.5 | 8.5 to 11.5 | 89.4 | 70 to 130 | 0.669 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Recovery for Magnesium and Sodium are out of spec. Spike amounts are less than 30% of the sample amounts. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY24171

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|--------|--------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 36.4 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 10.1 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 8.96 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 2.23 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.12 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.97 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 47.7 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.83 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 183 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.12 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 183 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7S

Laboratory ID Number: AY24171

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|----------------------------|-------|------------|--------|-------|------|------|--------|----------------|-------|-------|-----------|-------|------|
| | | | Limit | Limit | | | | | Limit | Limit | Rec | Limit | | Prec |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | | 0.411 | 10 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Mangenes, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | | 88.7 | 70 to 130 | 0.928 | 20 |
| AY24180 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY24172

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 38.6 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 6.67 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 7.29 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.71 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.60 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.50 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 62.1 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 7.02 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 157 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.15 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 157 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-7D

Laboratory ID Number: AY24172

| Sample | Analysis | Units | MB | | | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|----------------------------|-------|------------|--------|------|------|------|--------|----------------|-----|-------|-----------|-------|-------|
| | | | Limit | Spike | MB | | | | Limit | Rec | Limit | Prec | | |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | | 0.411 | 10 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Manganese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | | |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | | 88.7 | 70 to 130 | 0.928 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24173

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.33 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | U Not Detected | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24173

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|------|------|--------|----------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | 0.411 | 10 |
| AY24180 | Manganese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | 88.7 | 70 to 130 | 0.928 | 20 |
| AY24180 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis Alabama Power



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY24174

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 1.15 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0227 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 4.26 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00316 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | J 0.00291 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 210 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 9.33 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 297 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 49.5 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 246 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: AY24174

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|----------------------------|-------|------------|--------|-------|------|------|--------|----------------|-----|-------|-----------|-------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | | 0.411 | 10 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Manganese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | | 88.7 | 70 to 130 | 0.928 | 20 |
| AY24180 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY24175

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 3.12 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0145 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 3.35 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0311 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.0275 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 185 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 8.56 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 400 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 13.2 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 387 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: AY24175

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit | |
|---------|----------------------------|-------|------------|--------|-------|------|------|--------|----------------|-----|-------|-----------|------|-------|----|
| | | | MB | Limit | | | | | Limit | Rec | Limit | Prec | | | |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | | 116 | 70 to 130 | | 0.243 | 20 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | | -154 | 70 to 130 | | 2.14 | 20 |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | | | 0.411 | 10 |
| AY24180 | Manganese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | | 75.3 | 70 to 130 | | 0.700 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | | -37.7 | 70 to 130 | | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | | 110 | 70 to 130 | | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | | 88.7 | 70 to 130 | | 0.928 | 20 |
| AY24180 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | | 99.9 | 70 to 130 | | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY24176

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 44.0 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 5.85 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 5.98 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 9.30 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.68 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.35 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 71.0 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 7.23 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 73.7 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.12 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 73.6 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5

Laboratory ID Number: AY24176

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Limit |
|---------|----------------------------|-------|------------|--------|------|------|------|----------------|-------|-----------|-------|-------|
| | | | Limit | Spike | | | | | Rec | Limit | | |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | 0.411 | 10 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 4.25 to 5.75 | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Mangenes, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | 0.085 to 0.115 | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Mangenes, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | 6.97 | 6.95 to 7.05 | | | | |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 88.7 | 70 to 130 | 0.928 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY24177

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|--------|--------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 26.1 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 22.5 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 20.5 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 6.63 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 6.51 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 5.97 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 49.6 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.87 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 41.9 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.03 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 41.9 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-6

Laboratory ID Number: AY24177

| Sample | Analysis | Units | MB | | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit | |
|---------|----------------------------|-------|------------|--------|------|------|------|-----------|----------------|-------|-----------|------------|----|
| | | | MB | Limit | | | | | Rec | Limit | | | |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | 0.411 | 10 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Manganese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | 88.7 | 70 to 130 | 0.928 | 20 |
| AY24180 | Manganese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY24178

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 92.2 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 4.67 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 4.44 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 12.1 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.35 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.08 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 101.5 | 10.15 | 50.75 | 545 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 7.07 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 237 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.26 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 237 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-12

Laboratory ID Number: AY24178

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|----------------------------|-------|------------|--------|-------|------|------|--------|----------------|-----|-------|-----------|-------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | | 0.411 | 10 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Mangnese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | | 88.7 | 70 to 130 | 0.928 | 20 |
| AY24180 | Mangnese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY24179

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 17.1 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.23 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.88 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.11 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.156 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.131 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 30.4 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 7.32 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 160 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.31 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 160 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13D

Laboratory ID Number: AY24179

| Sample | Analysis | Units | MB | MB | | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|----------------------------|-------|-----------|--------|-------|------|------|--------|----------------|-------|-----------|-------|------|
| | | | | Limit | Spike | | | | Limit | Rec | Limit | Prec | |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | 0.411 | 10 |
| AY24180 | Mangenes, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Mangenes, Total | mg/L | 0.0000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | 88.7 | 70 to 130 | 0.928 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
 LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY24180

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|--------|--------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 16.4 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 37.7 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 37.5 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 1.11 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.27 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 1.17 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 23.4 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | EMG | 10/19/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.23 | SU |
| Alkalinity, Total as CaCO3 | EMG | 10/19/2018 | SM 2320 B | | 1 | | 0.1 | 73.2 | mg/L |
| Carbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 0.01 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | EMG | 10/19/2018 | SM 4500CO2 D | | 1 | | | 73.2 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Recovery for dissolved and total Iron are out of spec. Spike amounts are less than 30% of the sample amounts. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-13S

Laboratory ID Number: AY24180

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | Limit |
|---------|----------------------------|-------|------------|--------|-------|------|------|--------|----------------|-----|-------|-----------|-------|-------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24180 | Alkalinity, Total as CaCO3 | mg/L | | | | | 72.9 | 50.4 | 45.0 to 55.0 | | | | 0.411 | 10 |
| AY24180 | Mangnese, Dissolved | mg/L | 0.0000403 | 0.005 | 0.10 | 1.35 | 1.36 | | 0.085 to 0.115 | | 75.3 | 70 to 130 | 0.700 | 20 |
| AY24180 | Iron, Dissolved | mg/L | 0.0000556 | 0.022 | 0.2 | 34.7 | 35.4 | 0.203 | 0.17 to 0.23 | | -154 | 70 to 130 | 2.14 | 20 |
| AY24180 | Iron, Total | mg/L | -0.000145 | 0.022 | 0.2 | 37.4 | 37.8 | 0.205 | 0.17 to 0.23 | | -37.7 | 70 to 130 | 0.905 | 20 |
| AY24180 | Magnesium, Total | mg/L | -0.0208 | 0.22 | 5.00 | 21.9 | 21.8 | 4.91 | 4.25 to 5.75 | | 110 | 70 to 130 | 0.550 | 20 |
| AY24180 | Potassium, Total | mg/L | -0.000492 | 0.0946 | 10.0 | 9.97 | 9.88 | 9.14 | 8.5 to 11.5 | | 88.7 | 70 to 130 | 0.928 | 20 |
| AY24180 | Sodium, Total | mg/L | -0.00702 | 0.22 | 5.00 | 29.2 | 29.3 | 5.30 | 4.25 to 5.75 | | 116 | 70 to 130 | 0.243 | 20 |
| AY24180 | Mangnese, Total | mg/L | 0.00000686 | 0.0022 | 0.10 | 1.27 | 1.25 | 0.0893 | 0.085 to 0.115 | | 99.9 | 70 to 130 | 1.58 | 20 |
| AY24180 | pH for Alkalinity | SU | | | | | | 6.97 | 6.95 to 7.05 | | | | | |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Recovery for dissolved and total Iron are out of spec. Spike amounts are less than 30% of the sample amounts. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY24181

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 15.1 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.24 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 3.35 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 0.743 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.211 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.177 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 11.9 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 10.52 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 118 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 76.8 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 24.7 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-14

Laboratory ID Number: AY24181

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------------|----------------|------|-----------|------------|----|
| | | | Limit | | | | | | | Rec | Limit | | |
| AY24189 | pH for Alkalinity | SU | | | | | 6.99 | 6.95 to 7.05 | | | | | |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | Manganese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Manganese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | 105 | 70 to 130 | 3.07 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | 97.7 | 70 to 130 | 0.350 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY24182

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|--------|--------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 10.8 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 8.92 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 9.47 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 0.771 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.373 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.308 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 17.6 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.57 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 78.1 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0.03 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 78.1 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15

Laboratory ID Number: AY24182

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------------|----------------|------|-----------|------------|----|
| | | | Limit | | | | | | | Rec | Limit | | |
| AY24189 | pH for Alkalinity | SU | | | | | 6.99 | 6.95 to 7.05 | | | | | |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | Mangnese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Mangnese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | 105 | 70 to 130 | 3.07 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | 97.7 | 70 to 130 | 0.350 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY24183

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 20.0 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0240 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | J 0.0450 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 12.9 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.441 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.408 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 66.6 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.15 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 61.1 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0.01 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 61.1 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-16

Laboratory ID Number: AY24183

| Sample | Analysis | Units | MB | | | | LCS | | | Rec | | Prec | | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|-----|-------|-----------|-------|----|
| | | | MB | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec | Limit | |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | | |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Mangenes, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | | 105 | 70 to 130 | 3.07 | 20 |
| AY24189 | Mangenes, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | | 97.7 | 70 to 130 | 0.350 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY24184

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 53.5 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 4.33 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 4.29 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 6.59 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.80 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.49 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 74.0 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.88 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 152 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0.11 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 152 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: AY24184

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|-------|------|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | Manganese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | 97.7 | 70 to 130 | 0.350 | 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Manganese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | 105 | 70 to 130 | 3.07 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY24185

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 153 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 101.5 | 1.015 | 5.075 | 127 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 101.5 | 1.015 | 5.075 | 130 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 3.37 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 3.08 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.72 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 1.015 | 5.075 | 186 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.76 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 20.9 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0.00 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 20.9 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-2

Laboratory ID Number: AY24185

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|-----|-------|-----------|-------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24189 | Manganese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | | |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | | 97.7 | 70 to 130 | 0.350 | 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Manganese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | | 105 | 70 to 130 | 3.07 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: AY24186

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 48.4 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 5.98 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | 6.50 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | 9.20 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.57 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 2.35 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 78.6 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.89 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 74.1 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0.05 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 74.0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAP
 Sample Date: 08-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: AY24186

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec | Prec Limit |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|-------|------------|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24189 | Manganese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Manganese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | 105 | 70 to 130 | 3.07 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | 97.7 | 70 to 130 | 0.350 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: AY24187

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|--------|--------|-----------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 10.9 | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 8.53 | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 10.15 | 0.1015 | 0.5075 | 9.54 | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | J 0.751 | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.368 | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | 0.318 | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | 17.9 | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 6.55 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | 73.3 | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0.02 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 73.3 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAP
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: AY24187

| Sample | Analysis | Units | MB | MB | | | | LCS | | Rec | | Prec |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|-----|-------|--------------------|
| | | | | Limit | Spike | MS | MSD | LCS | Limit | Rec | Limit | Prec |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | | 87.9 | 70 to 130 1.09 20 |
| AY24189 | Mangenes, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | | 84.6 | 70 to 130 0.863 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | | 106 | 70 to 130 2.31 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | | 104 | 70 to 130 3.70 20 |
| AY24189 | Mangenes, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | | 105 | 70 to 130 3.07 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | 0.00 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | | 99.7 | 70 to 130 0.906 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | | 97.7 | 70 to 130 0.350 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24188

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.15 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | U Not Detected | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMLAPFB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Field Blank

Laboratory ID Number: AY24188

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS | | Rec | | Prec | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|-----|-------|-----------|-------|----|
| | | | Limit | MB | | | | | Limit | Rec | Limit | Prec | | |
| AY24189 | Manganese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | | 84.6 | 70 to 130 | 0.863 | 20 |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | | |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Manganese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | | 105 | 70 to 130 | 3.07 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | | 97.7 | 70 to 130 | 0.350 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Certificate Of Analysis  **Alabama Power**



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY24189

| Name | Analyst | Test Date | Reference | Vio Spec | DF | MDL | RL | Q Results | Units |
|---------------------------------------|---------|------------|--------------|----------|-------|-------|-------|----------------|-------|
| Metals, Cyanide, Total Phenols | | | | | | | | | |
| * Magnesium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| * Iron, Dissolved | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Iron, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.01 | 0.05 | U Not Detected | mg/L |
| * Potassium, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.215 | 2.5 | U Not Detected | mg/L |
| * Manganese, Dissolved | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Manganese, Total | ABB | 10/24/2018 | EPA 200.8 | | 5.075 | 0.001 | 0.005 | U Not Detected | mg/L |
| * Sodium, Total | RDA | 11/2/2018 | EPA 200.7 | | 2.03 | 0.1 | 0.5 | U Not Detected | mg/L |
| General Characteristics | | | | | | | | | |
| pH for Alkalinity | HRG | 10/24/2018 | SM 4500H+ B | | 1 | | 4.00 | 5.28 | SU |
| Alkalinity, Total as CaCO3 | HRG | 10/24/2018 | SM 2320 B | | 1 | | 0.1 | U Not Detected | mg/L |
| Carbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |
| Bicarbonate Alkalinity, as CaCO3 | HRG | 10/24/2018 | SM 4500CO2 D | | 1 | | | 0 | mg/L |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Alabama Power General Test Laboratory
 744 County Road 87, GSC#8
 Calera, AL 35040
 (205) 664-6032 or 6171
 FAX (205) 257-1654

Batch QC Summary



To: Dustin Brooks
 Greg Dyer

Customer Account: WMWMILAPEB
 Sample Date: 09-Oct-18
 Customer ID:
 Delivery Date: 10-Oct-18

Description: Miller Ash Pond Equipment Blank

Laboratory ID Number: AY24189

| Sample | Analysis | Units | MB | | Spike | MS | MSD | LCS | LCS Limit | Rec | | Prec Limit | |
|---------|----------------------------|-------|------------|--------|-------|--------|--------|--------|----------------|------|-----------|------------|----|
| | | | MB | Limit | | | | | | Rec | Limit | | |
| AY24189 | Potassium, Total | mg/L | 0.00256 | 0.0946 | 10.0 | 8.79 | 8.88 | 8.83 | 8.5 to 11.5 | 87.9 | 70 to 130 | 1.09 | 20 |
| AY24189 | pH for Alkalinity | SU | | | | | | 6.99 | 6.95 to 7.05 | | | | |
| AY24189 | Sodium, Total | mg/L | -0.00739 | 0.22 | 5.00 | 5.28 | 5.16 | 5.32 | 4.25 to 5.75 | 106 | 70 to 130 | 2.31 | 20 |
| AY24189 | Iron, Dissolved | mg/L | -0.000409 | 0.022 | 0.2 | 0.208 | 0.200 | 0.201 | 0.17 to 0.23 | 104 | 70 to 130 | 3.70 | 20 |
| AY24189 | Mangnese, Dissolved | mg/L | 0.0000312 | 0.005 | 0.10 | 0.105 | 0.101 | | 0.085 to 0.115 | 105 | 70 to 130 | 3.07 | 20 |
| AY24189 | Alkalinity, Total as CaCO3 | mg/L | | | | | -0.060 | 50.0 | 45.0 to 55.0 | | | 0.00 | 10 |
| AY24189 | Iron, Total | mg/L | 0.000279 | 0.022 | 0.2 | 0.199 | 0.198 | 0.205 | 0.17 to 0.23 | 99.7 | 70 to 130 | 0.906 | 20 |
| AY24189 | Magnesium, Total | mg/L | -0.0212 | 0.22 | 5.00 | 4.89 | 4.87 | 4.98 | 4.25 to 5.75 | 97.7 | 70 to 130 | 0.350 | 20 |
| AY24189 | Mangnese, Total | mg/L | 0.00000385 | 0.0022 | 0.10 | 0.0846 | 0.0853 | 0.0856 | 0.085 to 0.115 | 84.6 | 70 to 130 | 0.863 | 20 |

This Certificate states the physical and/or chemical characteristics of the sample as submitted. This document shall not be reproduced, except in full, without written consent from Alabama Power's General Test Laboratory.

MDL's and RL's are adjusted for sample dilution, as applicable

* Test results for these accredited parameters meet all 2003 NELAC and 2009 TNI requirements, with exceptions noted on this report

Laboratory certification ID: E571114

Issued By: State of Florida, Department of Health

Expiration: June 30, 2019

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Alkalinity results are qualified due to sample was run out of hold time. LBM 11/6/18

Definitions



| Abbreviation | Description |
|--------------|---|
| DF | Dilution Factor |
| LCS | Lab Control Sample |
| LFM | Lab Fortified Matrix |
| MB | Method Blank |
| MDL | Method Detection Limit; minimum concentration of an analyte that can be determined with 99% confidence that the concentration is greater than zero. |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| Prec | Precision (% RPD) |
| Q | Qualifier; comment used to note deviations or additional information associated with analytical results. |
| QC | Quality Control |
| Rec | Recovery of Matrix Spike |
| RL | Reporting Limit; lowest concentration at which an analyte can be quantitatively measured. |
| Vio Spec | Violation Specification; regulatory limit which has been exceeded by the sample analyzed. |

| Qualifier | Description |
|-----------|---|
| B | Analyte found in reagent blank. Indicates possible reagent or background contamination. |
| E | Estimated reported value exceeded calibration range. |
| J | Reported value is an estimate because concentration is less than reporting limit. |
| N | Organic constituents tentatively identified. Confirmation is needed. |
| R | Matrix spike recovery is out of range. |
| U | Compound was analyzed, but not detected. |
| P | Precision is out of range. |
| C | Analyte was verified by re-analysis. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |
| L | Check standard is outside of the required specification limit. |
| D | All samples were stored at less than or equal to 6 °C and for no longer than 48 hours from time of sampling, unless otherwise noted. |
| F | Water Field Group (WFG) qualifier; see comments for more information |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete
 Lab Complete

Outside Lab

Lab ETA 10/10/2018 09:00

| | | | |
|-------------------------|---------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Nick Pitts | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|----------------|--------|---|------------|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | Alkalinity | 250 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Dissolved Meta | 500 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|-------------|------------|---------|
| MW-1 | 10/9/18 | 12:20 | 3 | Groundwater | | AY24161 |
| MW-11 | 10/09/2018 | 15:28 | 3 | Groundwater | | AY24162 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 08:20 |
| | | |
| | | |

| | | | |
|--------------|----------------|---|-------------------------------------|
| SmarTroll ID | 4696-23444-3-3 | All metals and radiological bottles have pH < 2 | <input checked="" type="checkbox"/> |
| Turbidity ID | 3901-20009-2-1 | Cooler Temp | 0.4 degrees C |
| Sample Event | 1170 | Thermometer ID | 5408-27568-2-2 |
| | | pH Strip ID | 6959-37680-30-1 |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Lab ETA **10/10/2018 08:30**

| | | | |
|-------------------------|----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Ben Rothschild | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|----------------|--------|---|------------|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | Alkalinity | 250 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Dissolved Meta | 500 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|-----------|------------|-------|--------------|------------------|------------|---------|
| MW-10 | 10/8/18 | 13:23 | 3 | Groundwater | | AY24163 |
| FB-2 | 10/08/2018 | 13:55 | 3 | Field Blank | | AY24164 |
| MW-4 | 10/08/2018 | 16:20 | 3 | Groundwater | | AY24165 |
| MW-9S | 10/09/2018 | 09:28 | 3 | Groundwater | | AY24166 |
| MW-9D | 10/09/2018 | 10:32 | 3 | Groundwater | | AY24167 |
| MW-8D | 10/09/2018 | 11:39 | 3 | Groundwater | | AY24168 |
| MW-8S | 10/09/2018 | 12:46 | 3 | Groundwater | | AY24169 |
| MW-8S DUP | 10/09/2018 | 12:46 | 3 | Sample Duplicate | | AY24170 |
| MW-7S | 10/09/2018 | 14:02 | 3 | Groundwater | | AY24171 |
| MW-7D | 10/09/2018 | 15:02 | 3 | Groundwater | | AY24172 |
| FB-3 | 10/09/2018 | 15:30 | 3 | Field Blank | | AY24173 |
| MW-3S | 10/09/2018 | 16:30 | 3 | Groundwater | | AY24174 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 08:45 |
| | | |
| | | |

| | | |
|----------------|------------------|---|
| SmarTroll ID | 6496-34170-1-1 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 4677-23343-4-2 | |
| Sample Event | 1170 | |
| | | |
| Cooler Temp | 0.4 degrees C | |
| Thermometer ID | 5408-27568-2-2 | |
| pH Strip ID | 6959-37699-30-20 | |



Chain of Custody Groundwater

APC General Testing Laboratory

Field Complete

Outside Lab

Lab Complete

Lab ETA **10/10/2018 09:00**

| | | | |
|-------------------------|-----------------|--------------|--------------------------|
| Requested Complete Date | Routine | Results To | Dustin Brooks, Greg Dyer |
| Site Representative | Jeff K. Baker | Requested By | Greg Dyer |
| Collector | Anthony Goggins | Location | Miller Ash Pond |

| | | | | | | | | | | | | |
|---------|---|----------------|--------|---|------------|--------|---|-----|-----|---|-----|-----|
| Bottles | 1 | Metals | 500 mL | 3 | Alkalinity | 250 mL | 5 | N/A | N/A | 7 | N/A | N/A |
| | 2 | Dissolved Meta | 500 mL | 4 | N/A | N/A | 6 | N/A | N/A | 8 | N/A | N/A |

Comments

| Sample # | Date | Time | Bottle Count | Description | Lab Filter | Lab Id |
|----------|------------|-------|--------------|------------------|------------|---------|
| PZ-5 | 10/8/18 | 13:45 | 3 | Groundwater | | AY24175 |
| MW-5 | 10/08/2018 | 14:57 | 3 | Groundwater | | AY24176 |
| MW-6 | 10/08/2018 | 15:46 | 3 | Groundwater | | AY24177 |
| MW-12 | 10/08/2018 | 17:23 | 3 | Groundwater | | AY24178 |
| MW-13D | 10/09/2018 | 08:35 | 3 | Groundwater | | AY24179 |
| MW-13S | 10/09/2018 | 10:42 | 3 | Groundwater | | AY24180 |
| MW-14 | 10/09/2018 | 12:15 | 3 | Groundwater | | AY24181 |
| MW-15 | 10/09/2018 | 13:12 | 3 | Groundwater | | AY24182 |
| MW-16 | 10/09/2018 | 14:06 | 3 | Groundwater | | AY24183 |
| MW-3D | 10/09/2018 | 15:02 | 3 | Groundwater | | AY24184 |
| MW-2 | 10/09/2018 | 16:48 | 3 | Groundwater | | AY24185 |
| MW-5DUP | 10/08/2018 | 14:57 | 3 | Sample Duplicate | | AY24186 |
| MW-15DUP | 10/09/2018 | 13:12 | 3 | Sample Duplicate | | AY24187 |
| FB-1 | 10/09/2018 | 13:55 | 3 | Field Blank | | AY24188 |
| EB-1 | 10/09/2018 | 18:00 | 3 | Equipment Blank | | AY24189 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|-----------------|-------------|------------------|
| Relinquished By | Received By | Date/Time |
| | | 10/10/2018 10:10 |
| | | |
| | | |

| | | |
|----------------|-------------------------------------|---|
| SmarTroll ID | 4696-23443-3-2 | All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/> |
| Turbidity ID | 5160-26211-1-1 | |
| Sample Event | 1170 | |
| | | |
| Cooler Temp | 0.3 degrees C | |
| Thermometer ID | 5408-27568-2-2 | |
| pH Strip ID | 6959-37699-30-20 & 6959-37698-30-19 | |

Appendix B

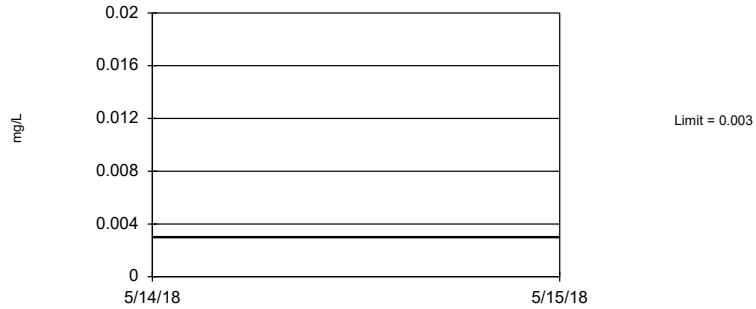
1st Semi-Annual

Upper Tolerance Limits - App IV

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/10/2019, 3:37 PM

| <u>Constituent</u> | <u>Upper Lim.</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) | 0.003 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Arsenic (mg/L) | 0.005 | 40 | n/a | n/a | 40 | n/a | n/a | 0.1285 | NP Inter(normal... |
| Barium (mg/L) | 0.189 | 40 | n/a | n/a | 0 | n/a | n/a | 0.1285 | NP Inter(normal... |
| Beryllium (mg/L) | 0.003 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Boron (mg/L) | 0.409 | 38 | n/a | n/a | 10.53 | n/a | n/a | 0.1424 | NP Inter(normal... |
| Cadmium (mg/L) | 0.001 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Chromium (mg/L) | 0.01 | 40 | n/a | n/a | 62.5 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Cobalt (mg/L) | 0.0216 | 40 | n/a | n/a | 55 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Combined Radium 226 + 228 (pCi/L) | 5 | 40 | n/a | n/a | 25 | n/a | n/a | 0.1285 | NP Inter(normal... |
| Fluoride (mg/L) | 0.2167 | 42 | 0.116 | 0.04769 | 4.762 | None | No | 0.05 | Inter |
| Lead (mg/L) | 0.005 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Lithium (mg/L) | 0.1889 | 40 | 0.237 | 0.09295 | 12.5 | None | sqrt(x) | 0.05 | Inter |
| Mercury (mg/L) | 0.0005 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Molybdenum (mg/L) | 0.01 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Selenium (mg/L) | 0.01 | 40 | n/a | n/a | 60 | n/a | n/a | 0.1285 | NP Inter(NDs) |
| Thallium (mg/L) | 0.001 | 40 | n/a | n/a | 65 | n/a | n/a | 0.1285 | NP Inter(NDs) |

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Antimony Analysis Run 1/10/2019 3:35 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

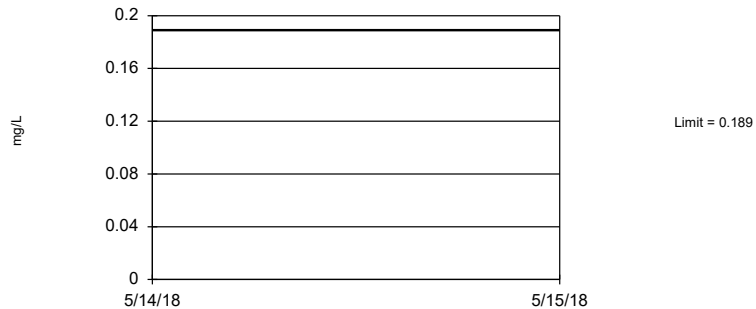
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 40% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Arsenic Analysis Run 1/10/2019 3:35 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

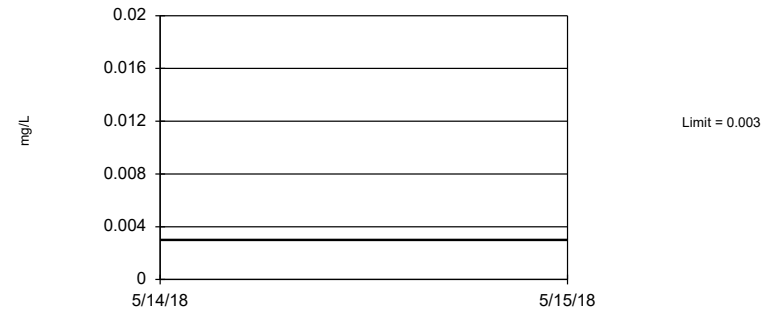
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Barium Analysis Run 1/10/2019 3:35 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Beryllium Analysis Run 1/10/2019 3:35 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

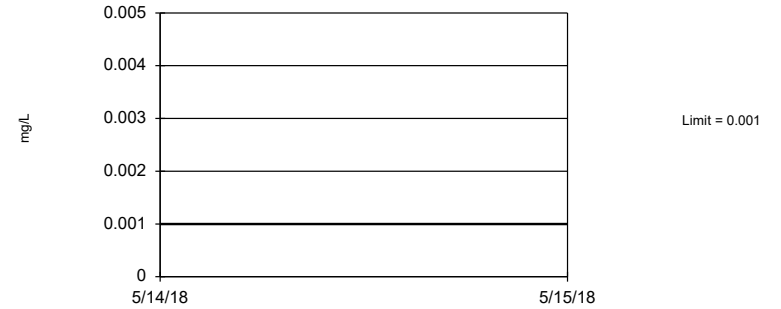
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 10.53% NDs. 88.48% coverage at alpha=0.01; 92.38% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1424.

Constituent: Boron Analysis Run 1/10/2019 3:35 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Cadmium Analysis Run 1/10/2019 3:35 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

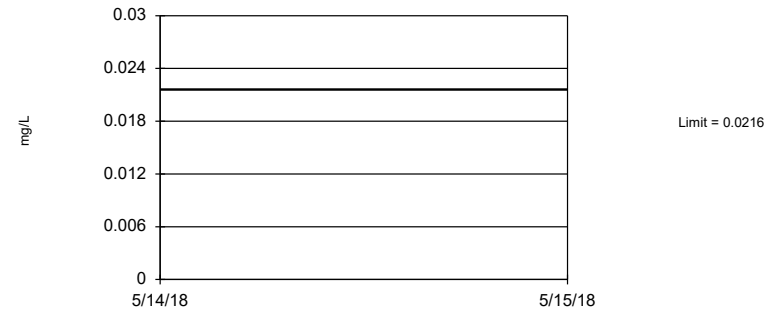
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 62.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Chromium Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 55% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Cobalt Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

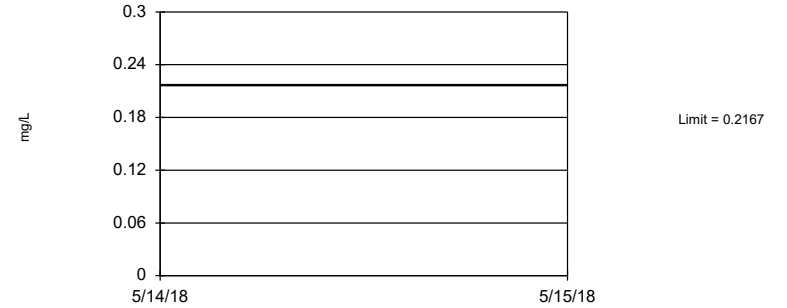
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 25% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Combined Radium 226 + 228 Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Tolerance Limit Interwell Parametric



95% coverage. Background Data Summary: Mean=0.116, Std. Dev.=0.04769, n=42, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.922. Report alpha = 0.05.

Constituent: Fluoride Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

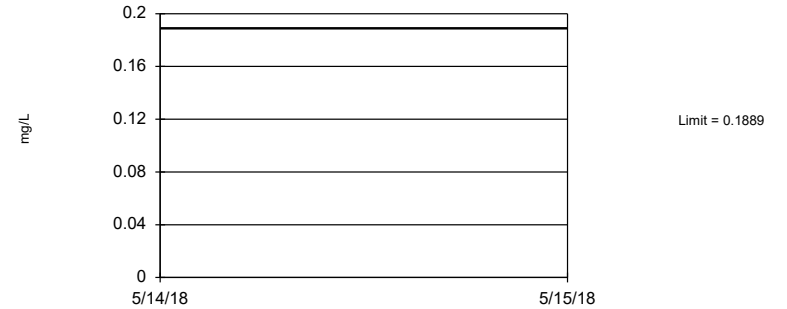
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Lead Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

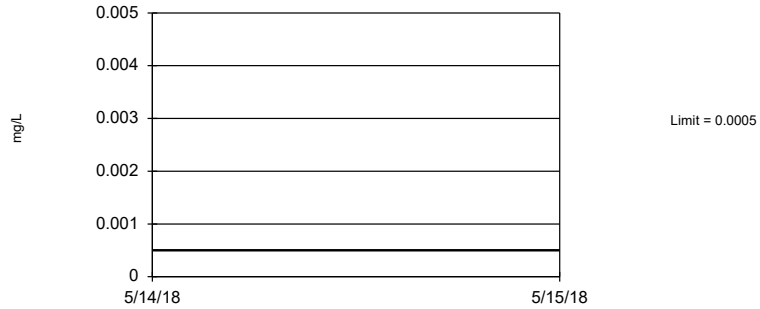
Tolerance Limit Interwell Parametric



95% coverage. Background Data Summary (based on square root transformation): Mean=0.237, Std. Dev.=0.09295, n=40, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9373, critical = 0.919. Report alpha = 0.05.

Constituent: Lithium Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

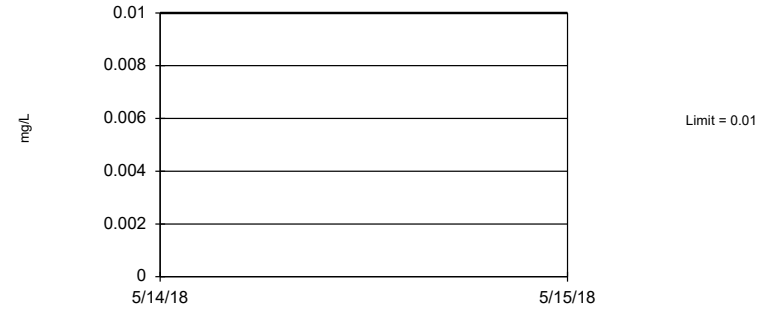
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Mercury Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Molybdenum Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

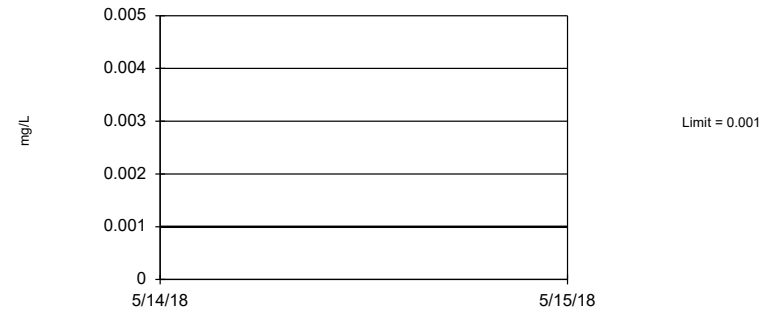
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 60% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Selenium Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 65% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Thallium Analysis Run 1/10/2019 3:36 PM View: Tolerance Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Confidence Intervals - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:35 PM

| <u>Constituent</u> | <u>Well</u> | <u>Upper Lim.</u> | <u>Lower Lim.</u> | <u>Compliance</u> | <u>Sig.</u> | <u>N</u> | <u>%NDs</u> | <u>Transform</u> | <u>Alpha</u> | <u>Method</u> |
|--------------------|-------------|-------------------|-------------------|-------------------|-------------|----------|-------------|------------------|--------------|----------------|
| Arsenic (mg/L) | MR-AP-MW-3D | 0.01178 | 0.0106 | 0.01 | Yes | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-5 | 0.01407 | 0.01124 | 0.01 | Yes | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-2 | 0.0954 | 0.06218 | 0.0216 | Yes | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-4 | 0.04056 | 0.02577 | 0.0216 | Yes | 10 | 0 | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-6 | 0.06946 | 0.05788 | 0.0216 | Yes | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-5 | 0.307 | 0.221 | 0.1889 | Yes | 10 | 0 | No | 0.011 | NP (normality) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:35 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-----------------------|--------------------|----------------|----------------|-------------|------------|-----------|----------|-----------|-------------|----------------|
| Antimony (mg/L) | MR-AP-MW-1 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-2 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-3D | 0.0015 | 0.000725 | 0.006 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-3S | 0.0015 | 0.000787 | 0.006 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-4 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-5 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-6 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-7D | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-7S | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-8D | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-8S | 0.0015 | 0.00062 | 0.006 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Antimony (mg/L) | MR-AP-MW-9D | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-10 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-11 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-12 | 0.0015 | 0.000652 | 0.006 | No | 10 | 60 | No | 0.011 | NP (normality) |
| Antimony (mg/L) | MR-AP-MW-13D | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-14 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-15 | 0.0015 | 0.0015 | 0.006 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-16 | 0.0015 | 0.000801 | 0.006 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | MR-AP-PZ-5 | 0.00362 | 0.0008328 | 0.006 | No | 10 | 40 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-1 | 0.003475 | 0.001691 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-2 | 0.002045 | 0.001313 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-3D | 0.01178 | 0.0106 | 0.01 | Yes | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-3S | 0.002507 | 0.001553 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-4 | 0.0025 | 0.0025 | 0.01 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-5 | 0.01407 | 0.01124 | 0.01 | Yes | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-6 | 0.0025 | 0.0025 | 0.01 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-7D | 0.001863 | 0.001535 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-7S | 0.002612 | 0.002334 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-8D | 0.0025 | 0.00116 | 0.01 | No | 10 | 40 | No | 0.011 | NP (normality) |
| Arsenic (mg/L) | MR-AP-MW-8S | 0.0025 | 0.0025 | 0.01 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-9D | 0.00225 | 0.001956 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-10 | 0.002698 | 0.002206 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-11 | 0.0025 | 0.0025 | 0.01 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-12 | 0.002031 | 0.001707 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-13D | 0.002599 | 0.001709 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-14 | 0.0025 | 0.0025 | 0.01 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-15 | 0.0025 | 0.0025 | 0.01 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-16 | 0.0025 | 0.00159 | 0.01 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-PZ-5 | 0.004636 | 0.002166 | 0.01 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-1 | 0.09724 | 0.0575 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-2 | 0.0246 | 0.0143 | 2 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Barium (mg/L) | MR-AP-MW-3D | 0.02765 | 0.02251 | 2 | No | 10 | 0 | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-3S | 0.1154 | 0.07609 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-4 | 0.015 | 0.01294 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-5 | 0.01609 | 0.01475 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-6 | 0.02722 | 0.0252 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-7D | 0.03374 | 0.03002 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-7S | 0.03977 | 0.03527 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-8D | 0.04872 | 0.03364 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-8S | 0.0303 | 0.01884 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-9D | 0.01401 | 0.01155 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-10 | 0.01539 | 0.01204 | 2 | No | 10 | 0 | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-11 | 0.04138 | 0.02718 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-12 | 0.02436 | 0.02044 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-13D | 0.08566 | 0.06852 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-14 | 0.08371 | 0.06983 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-15 | 0.1157 | 0.07935 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-16 | 0.03713 | 0.02515 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-PZ-5 | 0.1388 | 0.07117 | 2 | No | 10 | 0 | No | 0.01 | Param. |
| Beryllium (mg/L) | MR-AP-MW-1 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-2 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-3D | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-3S | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-4 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-5 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-6 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-7D | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:35 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|------------------|--------------|------------|------------|------------|------|----|------|-----------|-------|----------------|
| Beryllium (mg/L) | MR-AP-MW-7S | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-8D | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-8S | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-9D | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-10 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-11 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-12 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-13D | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-14 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-15 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-16 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-PZ-5 | 0.0015 | 0.0015 | 0.004 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Boron (mg/L) | MR-AP-MW-1 | 0.07419 | 0.05135 | 4 | No | 10 | 0 | x^(1/3) | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-2 | 0.1544 | 0.1054 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-3D | 0.568 | 0.4778 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-3S | 0.1927 | 0.1811 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-4 | 0.5562 | 0.4744 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-5 | 0.9332 | 0.8662 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-6 | 0.8698 | 0.8226 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-7D | 0.7489 | 0.7127 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-7S | 0.7135 | 0.6703 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-8D | 1.142 | 0.927 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-8S | 1.651 | 1.352 | 4 | No | 10 | 0 | x^2 | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-9D | 0.7233 | 0.6655 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-10 | 3.225 | 2.805 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-11 | 0.0319 | 0.0252 | 4 | No | 10 | 10 | No | 0.011 | NP (normality) |
| Boron (mg/L) | MR-AP-MW-12 | 3.76 | 2.04 | 4 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Boron (mg/L) | MR-AP-MW-13D | 0.09106 | 0.06222 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-14 | 0.1611 | 0.1157 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-15 | 0.2115 | 0.1539 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-16 | 3.059 | 2.389 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-PZ-5 | 0.4643 | 0.4217 | 4 | No | 10 | 0 | No | 0.01 | Param. |
| Cadmium (mg/L) | MR-AP-MW-1 | 0.0005 | 0.000372 | 0.005 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-2 | 0.0005 | 0.000219 | 0.005 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-3D | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-3S | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-4 | 0.0005 | 0.00021 | 0.005 | No | 10 | 20 | No | 0.011 | NP (normality) |
| Cadmium (mg/L) | MR-AP-MW-5 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-6 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-7D | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-7S | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-8D | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-8S | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-9D | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-10 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-11 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-12 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-13D | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-14 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-15 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-16 | 0.0005 | 0.000208 | 0.005 | No | 10 | 80 | No | 0.011 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-PZ-5 | 0.0005 | 0.0005 | 0.005 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-1 | 0.0101 | 0.003137 | 0.1 | No | 10 | 10 | sqrt(x) | 0.01 | Param. |
| Chromium (mg/L) | MR-AP-MW-2 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-3D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-3S | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-4 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-5 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-6 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-7D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-7S | 0.005 | 0.00207 | 0.1 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-8D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-8S | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-9D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-10 | 0.005 | 0.005 | 0.1 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-11 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-12 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-13D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:35 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-----------------------------------|-------------------|----------------|----------------|---------------|------------|-----------|----------|------------|-------------|------------------|
| Chromium (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-16 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | MR-AP-PZ-5 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-1 | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-2 | 0.0954 | 0.06218 | 0.0216 | Yes | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-3D | 0.008702 | 0.006382 | 0.0216 | No | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-3S | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-4 | 0.04056 | 0.02577 | 0.0216 | Yes | 10 | 0 | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-5 | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-6 | 0.06946 | 0.05788 | 0.0216 | Yes | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-7D | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-7S | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-8D | 0.004355 | 0.002849 | 0.0216 | No | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-8S | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-9D | 0.01977 | 0.01597 | 0.0216 | No | 10 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-10 | 0.005 | 0.00209 | 0.0216 | No | 10 | 30 | No | 0.011 | NP (normality) |
| Cobalt (mg/L) | MR-AP-MW-11 | 0.005 | 0.00227 | 0.0216 | No | 10 | 80 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-12 | 0.005 | 0.00211 | 0.0216 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-13D | 0.005 | 0.0021 | 0.0216 | No | 10 | 80 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-16 | 0.0389 | 0.00228 | 0.0216 | No | 10 | 30 | No | 0.011 | NP (normality) |
| Cobalt (mg/L) | MR-AP-PZ-5 | 0.005 | 0.005 | 0.0216 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-1 | 2.5 | 0.413 | 5 | No | 9 | 66.67 | No | 0.002 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-2 | 2.5 | 0.301 | 5 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-3D | 2.5 | 0.147 | 5 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-3S | 2.5 | -0.0676 | 5 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-4 | 2.5 | -0.00808 | 5 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-5 | 2.5 | 0.38 | 5 | No | 10 | 60 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-6 | 2.5 | 0.106 | 5 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-7D | 2.5 | 0.218 | 5 | No | 10 | 40 | No | 0.011 | NP (Cohens/xfrm) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-7S | 2.5 | 0.248 | 5 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-8D | 2.5 | -0.113 | 5 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-8S | 2.5 | 0.047 | 5 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-9D | 2.5 | 0.0739 | 5 | No | 10 | 60 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-10 | 2.5 | 0.383 | 5 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-11 | 2.5 | 0.0757 | 5 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-12 | 2.5 | 0.366 | 5 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-13D | 2.5 | 0.441 | 5 | No | 10 | 80 | No | 0.011 | NP (NDs) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-14 | 2.5 | 0.65 | 5 | No | 10 | 80 | No | 0.011 | NP (NDs) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-15 | 2.5 | 0.516 | 5 | No | 10 | 60 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-16 | 2.5 | 0.444 | 5 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-PZ-5 | 2.5 | 0.171 | 5 | No | 10 | 80 | No | 0.011 | NP (NDs) |
| Fluoride (mg/L) | MR-AP-MW-1 | 0.1605 | 0.1142 | 4 | No | 11 | 9.091 | x^3 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-2 | 0.2194 | 0.03956 | 4 | No | 11 | 18.18 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-3D | 0.3386 | 0.2029 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-3S | 0.2851 | 0.1842 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-4 | 0.291 | 0.209 | 4 | No | 11 | 0 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-5 | 0.3462 | 0.2116 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-6 | 0.2193 | 0.05166 | 4 | No | 11 | 18.18 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-7D | 0.1224 | 0.0643 | 4 | No | 11 | 9.091 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-7S | 0.2094 | 0.1327 | 4 | No | 11 | 0 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-8D | 0.3215 | 0.1914 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-8S | 0.5065 | 0.3245 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-9D | 0.1457 | 0.07998 | 4 | No | 11 | 9.091 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-10 | 0.4158 | 0.2942 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-11 | 0.1518 | 0.1072 | 4 | No | 11 | 9.091 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-12 | 0.6786 | 0.5563 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-13D | 0.1414 | 0.09348 | 4 | No | 11 | 9.091 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-14 | 0.18 | 0.028 | 4 | No | 11 | 9.091 | No | 0.006 | NP (normality) |
| Fluoride (mg/L) | MR-AP-MW-15 | 0.1232 | 0.07744 | 4 | No | 11 | 9.091 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-16 | 0.1671 | 0.1147 | 4 | No | 11 | 9.091 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-PZ-5 | 1.085 | 0.8403 | 4 | No | 11 | 0 | x^4 | 0.01 | Param. |
| Lead (mg/L) | MR-AP-MW-1 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-2 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-3D | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-3S | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:35 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-----------------------|-------------------|--------------|--------------|---------------|------------|-----------|----------|-----------|--------------|-----------------------|
| Lead (mg/L) | MR-AP-MW-4 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-5 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-6 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-7D | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-7S | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-8D | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-8S | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-9D | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-10 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-11 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-12 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-13D | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-14 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-15 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-16 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lead (mg/L) | MR-AP-PZ-5 | 0.0025 | 0.0025 | 0.015 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Lithium (mg/L) | MR-AP-MW-1 | 0.1892 | 0.1332 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-2 | 0.2657 | 0.1847 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-3D | 0.163 | 0.11 | 0.1889 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-3S | 0.2192 | 0.1568 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-4 | 0.1197 | 0.0915 | 0.1889 | No | 10 | 0 | x^(1/3) | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-5 | 0.307 | 0.221 | 0.1889 | Yes | 10 | 0 | No | 0.011 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-6 | 0.09343 | 0.07623 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-7D | 0.1289 | 0.1043 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-7S | 0.18 | 0.14 | 0.1889 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-8D | 0.04894 | 0.03692 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-8S | 0.04765 | 0.03089 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-9D | 0.08307 | 0.07064 | 0.1889 | No | 10 | 0 | sqrt(x) | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-10 | 0.1941 | 0.1627 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-11 | 0.229 | 0.108 | 0.1889 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-12 | 0.274 | 0.178 | 0.1889 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-13D | 0.04465 | 0.03723 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-14 | 0.02231 | 0.01999 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-15 | 0.02144 | 0.01854 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-16 | 0.07372 | 0.03298 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-PZ-5 | 0.2133 | 0.1467 | 0.1889 | No | 10 | 0 | No | 0.01 | Param. |
| Mercury (mg/L) | MR-AP-MW-1 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-2 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-3D | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-3S | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-4 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-5 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-6 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-7D | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-7S | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-8D | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-8S | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-9D | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-10 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-11 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-12 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-13D | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-14 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-15 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-16 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Mercury (mg/L) | MR-AP-PZ-5 | 0.00025 | 0.00025 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-1 | 0.01079 | 0.007898 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-2 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-3D | 0.02343 | 0.02169 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-3S | 0.03356 | 0.02778 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-4 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-5 | 0.07342 | 0.06464 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-6 | 0.006686 | 0.005494 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-7D | 0.01265 | 0.007465 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-7S | 0.02983 | 0.02669 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-8D | 0.02801 | 0.01629 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-8S | 0.0555 | 0.036 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-9D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |

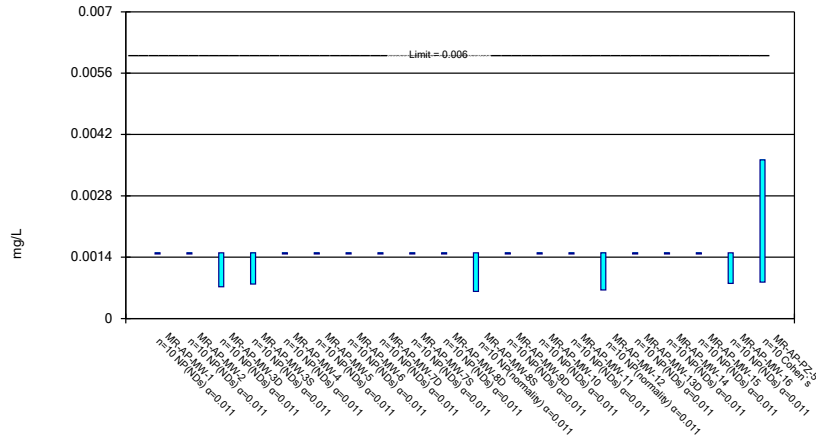
Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:35 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-------------------|--------------|------------|------------|------------|------|----|------|-----------|-------|------------------|
| Molybdenum (mg/L) | MR-AP-MW-10 | 0.1004 | 0.07502 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-11 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-12 | 0.113 | 0.0267 | 0.1 | No | 10 | 0 | No | 0.011 | NP (normality) |
| Molybdenum (mg/L) | MR-AP-MW-13D | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.1 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-16 | 0.02913 | 0.00596 | 0.1 | No | 10 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-PZ-5 | 0.01076 | 0.004416 | 0.1 | No | 10 | 20 | No | 0.01 | Param. |
| Selenium (mg/L) | MR-AP-MW-1 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-2 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-3D | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-3S | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-4 | 0.005 | 0.0023 | 0.05 | No | 10 | 30 | No | 0.011 | NP (Cohens/xfrm) |
| Selenium (mg/L) | MR-AP-MW-5 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-6 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-7D | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-7S | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-8D | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-8S | 0.005 | 0.00359 | 0.05 | No | 10 | 90 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-9D | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-10 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-11 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-12 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-13D | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-16 | 0.005 | 0.00204 | 0.05 | No | 10 | 50 | No | 0.011 | NP (normality) |
| Selenium (mg/L) | MR-AP-PZ-5 | 0.005 | 0.005 | 0.05 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-1 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-2 | 0.0005 | 0.000202 | 0.002 | No | 10 | 60 | No | 0.011 | NP (normality) |
| Thallium (mg/L) | MR-AP-MW-3D | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-3S | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-4 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-5 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-6 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-7D | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-7S | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-8D | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-8S | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-9D | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-10 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-11 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-12 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-13D | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-14 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-15 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-16 | 0.0005 | 0.000226 | 0.002 | No | 10 | 70 | No | 0.011 | NP (normality) |
| Thallium (mg/L) | MR-AP-PZ-5 | 0.0005 | 0.0005 | 0.002 | No | 10 | 100 | No | 0.011 | NP (NDs) |

Parametric and Non-Parametric (NP) Confidence Interval

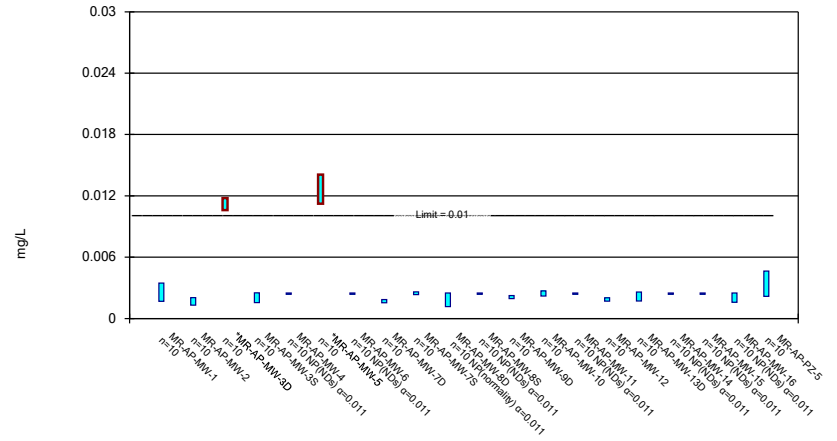
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Antimony Analysis Run 1/31/2019 12:31 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

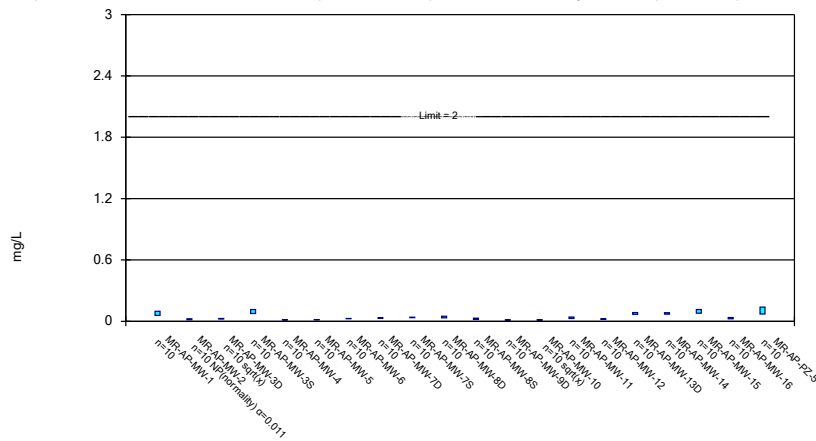
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 1/31/2019 12:31 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

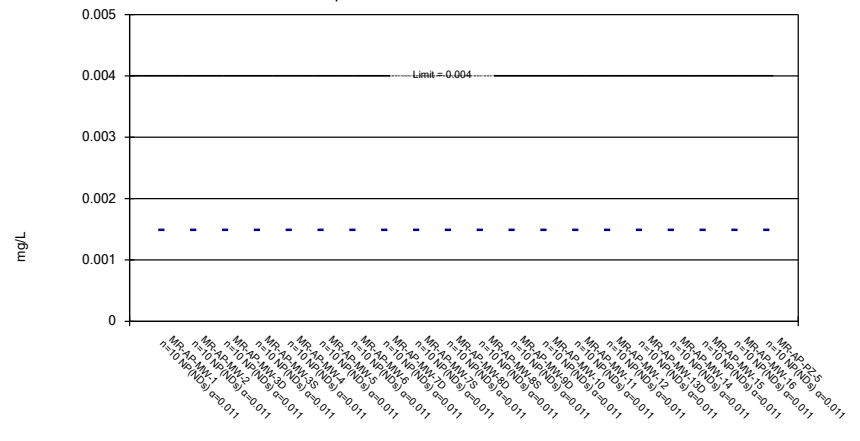
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 1/31/2019 12:31 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

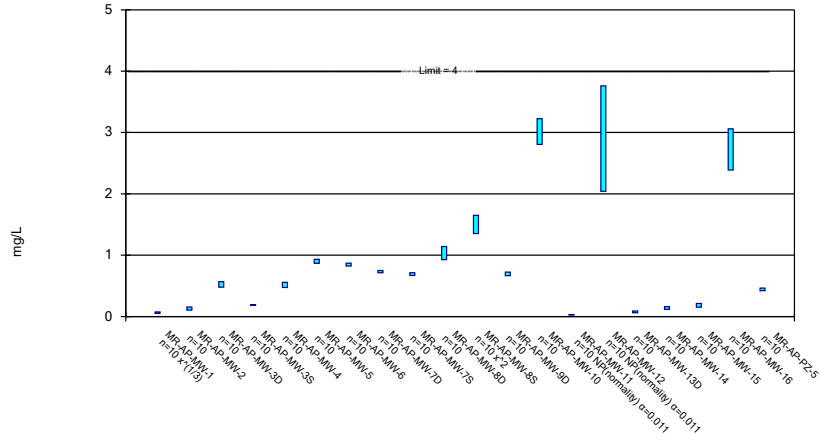
Compliance Limit is not exceeded.



Constituent: Beryllium Analysis Run 1/31/2019 12:31 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

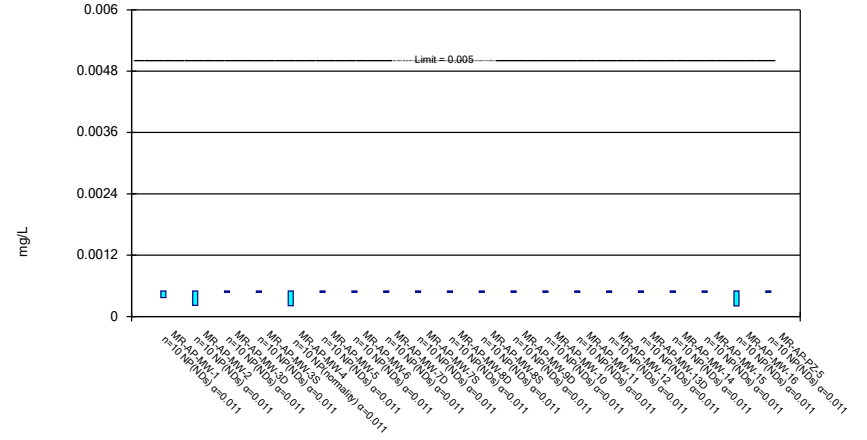
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Boron Analysis Run 1/31/2019 12:31 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

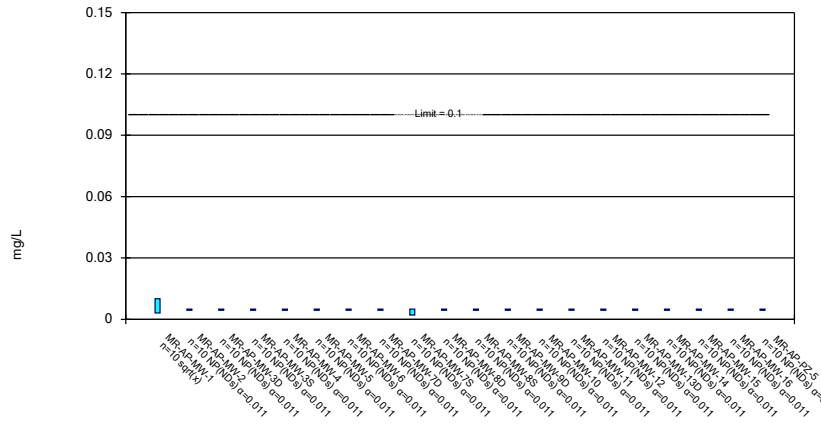
Compliance Limit is not exceeded.



Constituent: Cadmium Analysis Run 1/31/2019 12:31 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

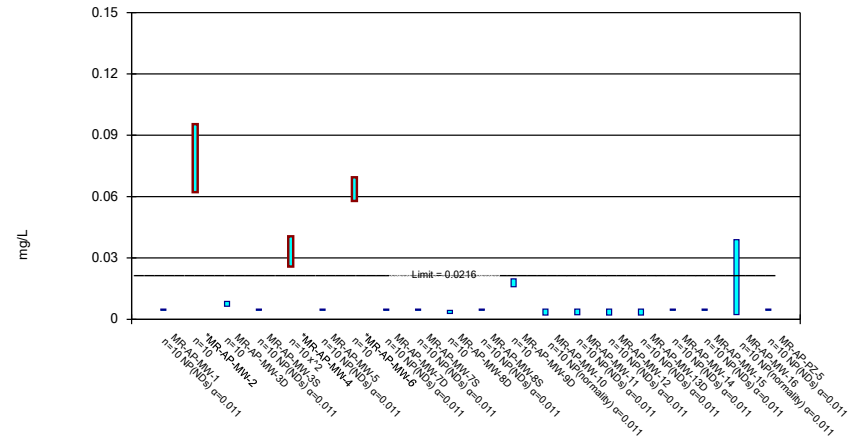
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

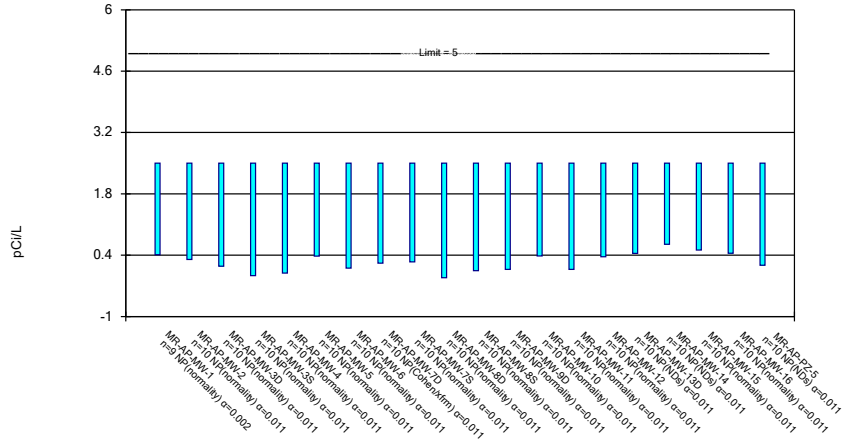
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

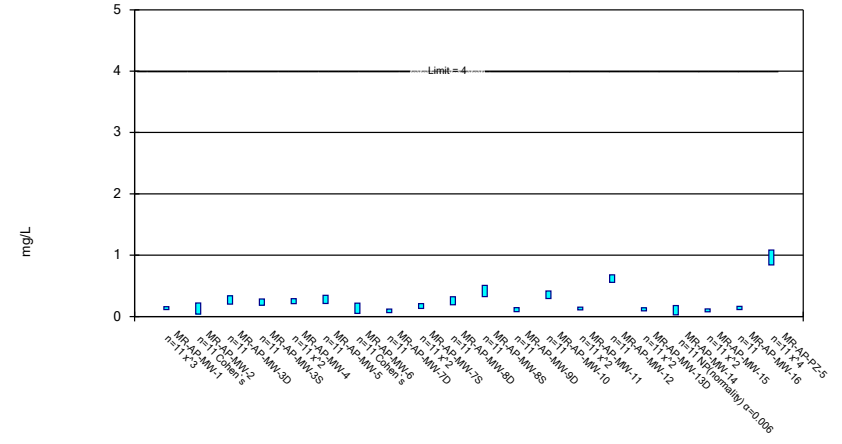
Compliance Limit is not exceeded.



Constituent: Combined Radium 226 + 228 Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

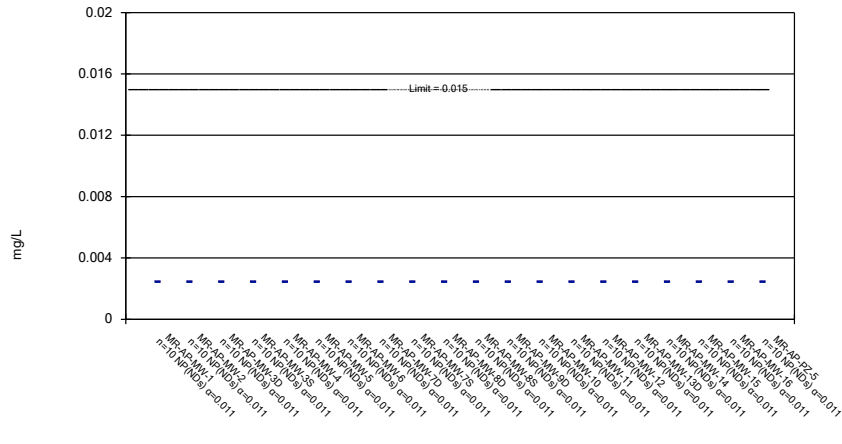
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

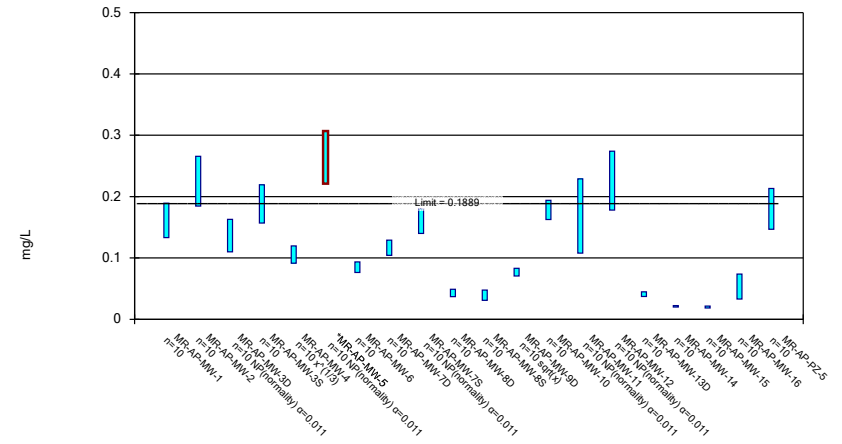
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

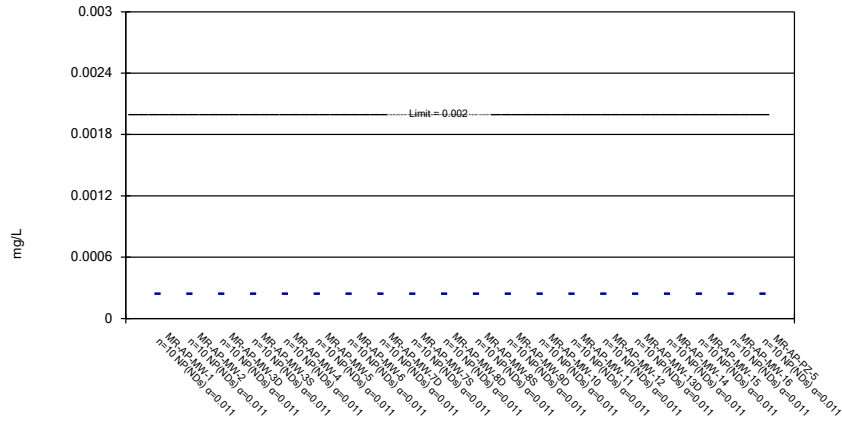
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

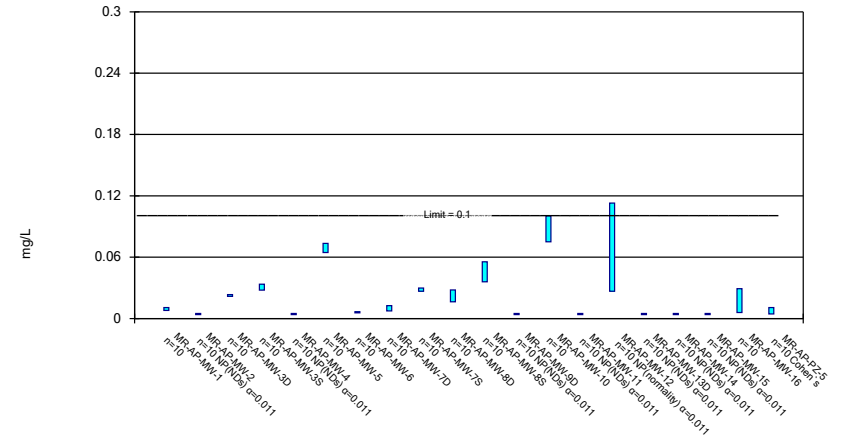
Compliance Limit is not exceeded.



Constituent: Mercury Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

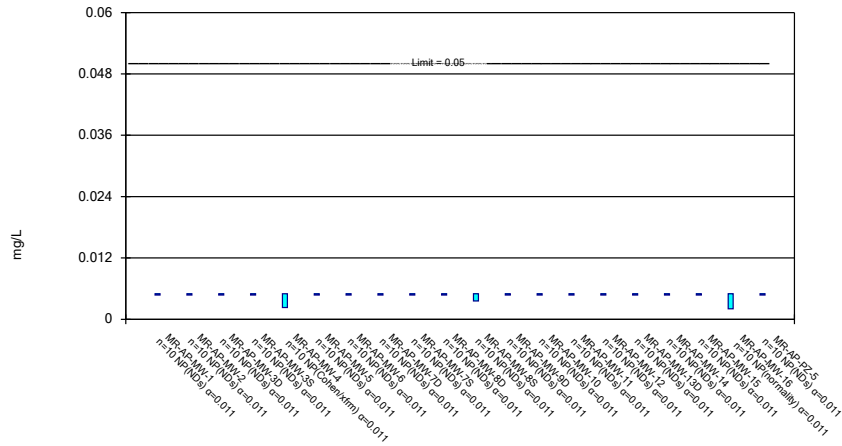
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

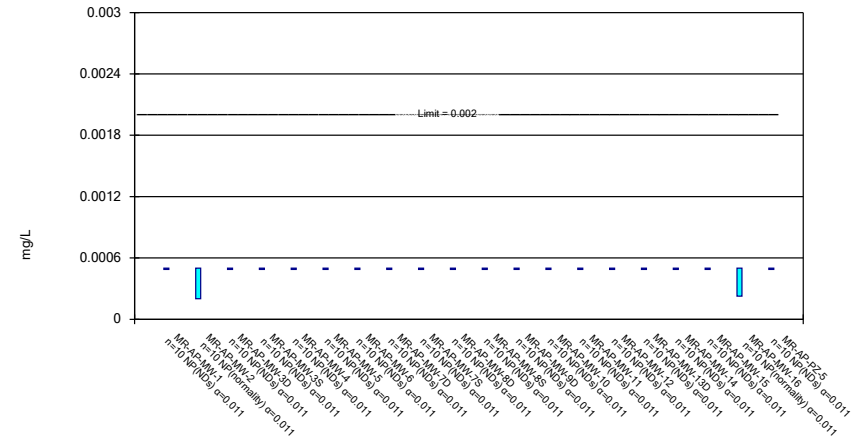
Compliance Limit is not exceeded.



Constituent: Selenium Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Thallium Analysis Run 1/31/2019 12:32 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

2nd Semi-Annual

Interwell Prediction Limit Summary Table - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/18/2018, 2:27 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | Bg Mean | Std. Dev. | %NDsND Adj. | Transform | Alpha | Method |
|-----------------|--------------|------------|------------|-----------|---------|------|------|---------|-----------|-------------|-----------|-------|------------------------|
| Boron (mg/L) | MR-AP-MW-3D | 0.437 | n/a | 10/9/2018 | 0.471 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-4 | 0.437 | n/a | 10/8/2018 | 0.503 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-5 | 0.437 | n/a | 10/8/2018 | 0.833 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-6 | 0.437 | n/a | 10/8/2018 | 0.905 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-7D | 0.437 | n/a | 10/9/2018 | 0.769 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-7S | 0.437 | n/a | 10/9/2018 | 0.737 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-8D | 0.437 | n/a | 10/9/2018 | 1.16 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-8S | 0.437 | n/a | 10/9/2018 | 2.05 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-9D | 0.437 | n/a | 10/9/2018 | 0.752 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-10 | 0.437 | n/a | 10/8/2018 | 3.46 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-12 | 0.437 | n/a | 10/8/2018 | 6.35 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-16 | 0.437 | n/a | 10/9/2018 | 2.85 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-2 | 168.5 | n/a | 10/9/2018 | 272 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-3D | 168.5 | n/a | 10/9/2018 | 242 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-4 | 168.5 | n/a | 10/8/2018 | 245 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-5 | 168.5 | n/a | 10/8/2018 | 290 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-12 | 168.5 | n/a | 10/8/2018 | 174 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-16 | 168.5 | n/a | 10/9/2018 | 211 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-1 | 11 | n/a | 10/9/2018 | 12 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-3D | 11 | n/a | 10/9/2018 | 41 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-3S | 11 | n/a | 10/9/2018 | 32 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-4 | 11 | n/a | 10/8/2018 | 41 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-5 | 11 | n/a | 10/8/2018 | 44 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-6 | 11 | n/a | 10/8/2018 | 33 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-7D | 11 | n/a | 10/9/2018 | 29 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-7S | 11 | n/a | 10/9/2018 | 25 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-13D | 11 | n/a | 10/9/2018 | 14 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-15 | 11 | n/a | 10/9/2018 | 20 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-16 | 11 | n/a | 10/9/2018 | 24 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-PZ-5 | 11 | n/a | 10/8/2018 | 32 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-3D | 0.2269 | n/a | 10/9/2018 | 0.39 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-3S | 0.2269 | n/a | 10/9/2018 | 0.33 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-4 | 0.2269 | n/a | 10/8/2018 | 0.32 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-5 | 0.2269 | n/a | 10/8/2018 | 0.43 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-7S | 0.2269 | n/a | 10/9/2018 | 0.25 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-8D | 0.2269 | n/a | 10/9/2018 | 0.36 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-8S | 0.2269 | n/a | 10/9/2018 | 0.64 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-10 | 0.2269 | n/a | 10/8/2018 | 0.49 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-12 | 0.2269 | n/a | 10/8/2018 | 0.85 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-PZ-5 | 0.2269 | n/a | 10/8/2018 | 1.3 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| pH (pH) | MR-AP-MW-1 | 6.85 | 5.37 | 10/9/2018 | 9.04 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-3S | 6.85 | 5.37 | 10/9/2018 | 9.34 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-5 | 6.85 | 5.37 | 10/8/2018 | 7.26 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-10 | 6.85 | 5.37 | 10/8/2018 | 6.86 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-11 | 6.85 | 5.37 | 10/9/2018 | 7.3 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| pH (pH) | MR-AP-PZ-5 | 6.85 | 5.37 | 10/8/2018 | 8.31 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-2 | 794 | n/a | 10/9/2018 | 1500 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-5 | 794 | n/a | 10/8/2018 | 820 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-12 | 794 | n/a | 10/8/2018 | 1500 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| TDS (mg/L) | MR-AP-MW-2 | 1453 | n/a | 10/9/2018 | 2460 | Yes | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-12 | 1453 | n/a | 10/8/2018 | 2630 | Yes | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |

Interwell Prediction Limit Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/18/2018, 2:27 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bq N | Bq Mean | Std. Dev. | %NDsND Adj. | Transform | Alpha | Method |
|------------------------|--------------------|--------------|------------|------------------|--------------|------------|-----------|--------------|---------------|-------------|-------------|--------------|-------------------------------|
| Boron (mg/L) | MR-AP-MW-1 | 0.437 | n/a | 10/9/2018 | 0.0559 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-2 | 0.437 | n/a | 10/9/2018 | 0.15 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-3D | 0.437 | n/a | 10/9/2018 | 0.471 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-3S | 0.437 | n/a | 10/9/2018 | 0.202 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-4 | 0.437 | n/a | 10/8/2018 | 0.503 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-5 | 0.437 | n/a | 10/8/2018 | 0.833 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-6 | 0.437 | n/a | 10/8/2018 | 0.905 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-7D | 0.437 | n/a | 10/9/2018 | 0.769 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-7S | 0.437 | n/a | 10/9/2018 | 0.737 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-8D | 0.437 | n/a | 10/9/2018 | 1.16 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-8S | 0.437 | n/a | 10/9/2018 | 2.05 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-9D | 0.437 | n/a | 10/9/2018 | 0.752 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-10 | 0.437 | n/a | 10/8/2018 | 3.46 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-11 | 0.437 | n/a | 10/9/2018 | 0.0262 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-12 | 0.437 | n/a | 10/8/2018 | 6.35 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-13D | 0.437 | n/a | 10/9/2018 | 0.102 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-14 | 0.437 | n/a | 10/9/2018 | 0.118 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-15 | 0.437 | n/a | 10/9/2018 | 0.237 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-MW-16 | 0.437 | n/a | 10/9/2018 | 2.85 | Yes | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Boron (mg/L) | MR-AP-PZ-5 | 0.437 | n/a | 10/8/2018 | 0.42 | No | 40 | n/a | n/a | 10 | n/a | n/a | NP (normality) 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-1 | 168.5 | n/a | 10/9/2018 | 94.1 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-2 | 168.5 | n/a | 10/9/2018 | 272 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-3D | 168.5 | n/a | 10/9/2018 | 242 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-3S | 168.5 | n/a | 10/9/2018 | 3.78 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-4 | 168.5 | n/a | 10/8/2018 | 245 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-5 | 168.5 | n/a | 10/8/2018 | 290 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-6 | 168.5 | n/a | 10/8/2018 | 150 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-7D | 168.5 | n/a | 10/9/2018 | 114 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-7S | 168.5 | n/a | 10/9/2018 | 82 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-8D | 168.5 | n/a | 10/9/2018 | 51.3 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-8S | 168.5 | n/a | 10/9/2018 | 55.2 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-9D | 168.5 | n/a | 10/9/2018 | 63.8 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-10 | 168.5 | n/a | 10/8/2018 | 164 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-11 | 168.5 | n/a | 10/9/2018 | 121 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-12 | 168.5 | n/a | 10/8/2018 | 174 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-13D | 168.5 | n/a | 10/9/2018 | 44.6 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-14 | 168.5 | n/a | 10/9/2018 | 32.8 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-15 | 168.5 | n/a | 10/9/2018 | 38.2 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-MW-16 | 168.5 | n/a | 10/9/2018 | 211 | Yes | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Calcium (mg/L) | MR-AP-PZ-5 | 168.5 | n/a | 10/8/2018 | 11.1 | No | 40 | 3.127 | 0.8898 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-1 | 11 | n/a | 10/9/2018 | 12 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-2 | 11 | n/a | 10/9/2018 | 8 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-3D | 11 | n/a | 10/9/2018 | 41 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-3S | 11 | n/a | 10/9/2018 | 32 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-4 | 11 | n/a | 10/8/2018 | 41 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-5 | 11 | n/a | 10/8/2018 | 44 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-6 | 11 | n/a | 10/8/2018 | 33 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-7D | 11 | n/a | 10/9/2018 | 29 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-7S | 11 | n/a | 10/9/2018 | 25 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-8D | 11 | n/a | 10/9/2018 | 9 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-8S | 11 | n/a | 10/9/2018 | 4.7 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-9D | 11 | n/a | 10/9/2018 | 11 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-10 | 11 | n/a | 10/8/2018 | 7.4 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-11 | 11 | n/a | 10/9/2018 | 6.5 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-12 | 11 | n/a | 10/8/2018 | 6.9 | No | 40 | n/a | n/a | 0 | n/a | n/a | NP (normality) 1 of 2 |

Interwell Prediction Limit Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/18/2018, 2:27 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | Bg Mean | Std. Dev. | %NDsND Adj. | Transform | Alpha | Method |
|-----------------|--------------|------------|------------|-----------|---------|------|------|---------|-----------|-------------|-----------|-------|--------------------------------|
| Chloride (mg/L) | MR-AP-MW-13D | 11 | n/a | 10/9/2018 | 14 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-14 | 11 | n/a | 10/9/2018 | 7.6 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-15 | 11 | n/a | 10/9/2018 | 20 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-MW-16 | 11 | n/a | 10/9/2018 | 24 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Chloride (mg/L) | MR-AP-PZ-5 | 11 | n/a | 10/8/2018 | 32 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-1 | 0.2269 | n/a | 10/9/2018 | 0.19 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-2 | 0.2269 | n/a | 10/9/2018 | 0.1 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-3D | 0.2269 | n/a | 10/9/2018 | 0.39 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-3S | 0.2269 | n/a | 10/9/2018 | 0.33 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-4 | 0.2269 | n/a | 10/8/2018 | 0.32 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-5 | 0.2269 | n/a | 10/8/2018 | 0.43 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-6 | 0.2269 | n/a | 10/8/2018 | 0.13 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-7D | 0.2269 | n/a | 10/9/2018 | 0.12 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-7S | 0.2269 | n/a | 10/9/2018 | 0.25 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-8D | 0.2269 | n/a | 10/9/2018 | 0.36 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-8S | 0.2269 | n/a | 10/9/2018 | 0.64 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-9D | 0.2269 | n/a | 10/9/2018 | 0.17 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-10 | 0.2269 | n/a | 10/8/2018 | 0.49 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-11 | 0.2269 | n/a | 10/9/2018 | 0.15 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-12 | 0.2269 | n/a | 10/8/2018 | 0.85 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-13D | 0.2269 | n/a | 10/9/2018 | 0.18 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-14 | 0.2269 | n/a | 10/9/2018 | 0.21 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-15 | 0.2269 | n/a | 10/9/2018 | 0.13 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-MW-16 | 0.2269 | n/a | 10/9/2018 | 0.18 | No | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| Fluoride (mg/L) | MR-AP-PZ-5 | 0.2269 | n/a | 10/8/2018 | 1.3 | Yes | 44 | 0.1139 | 0.05064 | 4.545 | None | No | 0.0003762 Param 1 of 2 |
| pH (pH) | MR-AP-MW-1 | 6.85 | 5.37 | 10/9/2018 | 9.04 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-2 | 6.85 | 5.37 | 10/9/2018 | 6.21 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-3D | 6.85 | 5.37 | 10/9/2018 | 6.8 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-3S | 6.85 | 5.37 | 10/9/2018 | 9.34 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-4 | 6.85 | 5.37 | 10/8/2018 | 5.86 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-5 | 6.85 | 5.37 | 10/8/2018 | 7.26 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-6 | 6.85 | 5.37 | 10/8/2018 | 6.1 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-7D | 6.85 | 5.37 | 10/9/2018 | 6.74 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-7S | 6.85 | 5.37 | 10/9/2018 | 6.56 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-8D | 6.85 | 5.37 | 10/9/2018 | 6.26 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-8S | 6.85 | 5.37 | 10/9/2018 | 6.82 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-9D | 6.85 | 5.37 | 10/9/2018 | 5.71 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-10 | 6.85 | 5.37 | 10/8/2018 | 6.86 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-11 | 6.85 | 5.37 | 10/9/2018 | 7.3 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-12 | 6.85 | 5.37 | 10/8/2018 | 6.51 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-13D | 6.85 | 5.37 | 10/9/2018 | 6.72 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-14 | 6.85 | 5.37 | 10/9/2018 | 6.41 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-15 | 6.85 | 5.37 | 10/9/2018 | 6.46 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-MW-16 | 6.85 | 5.37 | 10/9/2018 | 6 | No | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| pH (pH) | MR-AP-PZ-5 | 6.85 | 5.37 | 10/8/2018 | 8.31 | Yes | 44 | n/a | n/a | 0 | n/a | n/a | 0.001839 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-1 | 794 | n/a | 10/9/2018 | 420 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-2 | 794 | n/a | 10/9/2018 | 1500 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-3D | 794 | n/a | 10/9/2018 | 700 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-3S | 794 | n/a | 10/9/2018 | 130 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-4 | 794 | n/a | 10/8/2018 | 650 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-5 | 794 | n/a | 10/8/2018 | 820 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-6 | 794 | n/a | 10/8/2018 | 490 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-7D | 794 | n/a | 10/9/2018 | 360 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-7S | 794 | n/a | 10/9/2018 | 220 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-8D | 794 | n/a | 10/9/2018 | 400 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |

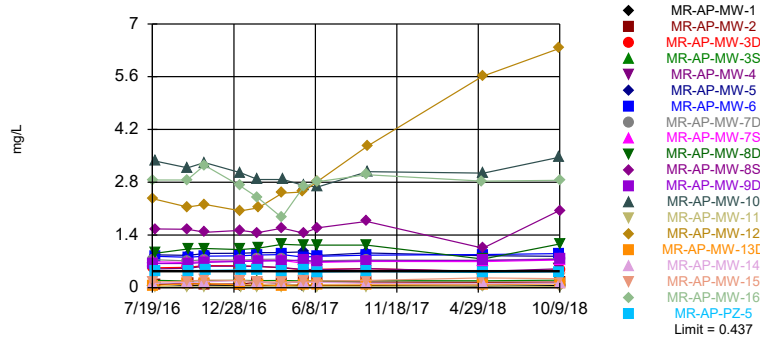
Interwell Prediction Limit Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/18/2018, 2:27 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bq N | Bq Mean | Std. Dev. | %NDsND Adj. | Transform | Alpha | Method |
|-----------------------|--------------------|-------------|------------|------------------|-------------|------------|-----------|--------------|---------------|-------------|-------------|--------------|---------------------------------------|
| Sulfate (mg/L) | MR-AP-MW-8S | 794 | n/a | 10/9/2018 | 330 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-9D | 794 | n/a | 10/9/2018 | 340 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-10 | 794 | n/a | 10/8/2018 | 750 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-11 | 794 | n/a | 10/9/2018 | 450 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-12 | 794 | n/a | 10/8/2018 | 1500 | Yes | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-13D | 794 | n/a | 10/9/2018 | 54 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-14 | 794 | n/a | 10/9/2018 | 41 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-15 | 794 | n/a | 10/9/2018 | 76 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-MW-16 | 794 | n/a | 10/9/2018 | 580 | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| Sulfate (mg/L) | MR-AP-PZ-5 | 794 | n/a | 10/8/2018 | 2.5ND | No | 40 | n/a | n/a | 0 | n/a | n/a | 0.001061 NP (normality) 1 of 2 |
| TDS (mg/L) | MR-AP-MW-1 | 1453 | n/a | 10/9/2018 | 830 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-2 | 1453 | n/a | 10/9/2018 | 2460 | Yes | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-3D | 1453 | n/a | 10/9/2018 | 1220 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-3S | 1453 | n/a | 10/9/2018 | 536 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-4 | 1453 | n/a | 10/8/2018 | 1180 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-5 | 1453 | n/a | 10/8/2018 | 1300 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-6 | 1453 | n/a | 10/8/2018 | 882 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-7D | 1453 | n/a | 10/9/2018 | 764 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-7S | 1453 | n/a | 10/9/2018 | 558 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-8D | 1453 | n/a | 10/9/2018 | 694 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-8S | 1453 | n/a | 10/9/2018 | 716 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-9D | 1453 | n/a | 10/9/2018 | 776 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-10 | 1453 | n/a | 10/8/2018 | 1430 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-11 | 1453 | n/a | 10/9/2018 | 1010 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-12 | 1453 | n/a | 10/8/2018 | 2630 | Yes | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-13D | 1453 | n/a | 10/9/2018 | 283 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-14 | 1453 | n/a | 10/9/2018 | 213 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-15 | 1453 | n/a | 10/9/2018 | 239 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-MW-16 | 1453 | n/a | 10/9/2018 | 982 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |
| TDS (mg/L) | MR-AP-PZ-5 | 1453 | n/a | 10/8/2018 | 464 | No | 40 | 5.612 | 0.7427 | 0 | None | ln(x) | 0.0003762 Param 1 of 2 |

Exceeds Limit: MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-M

Prediction Limit
Interwell Non-parametric

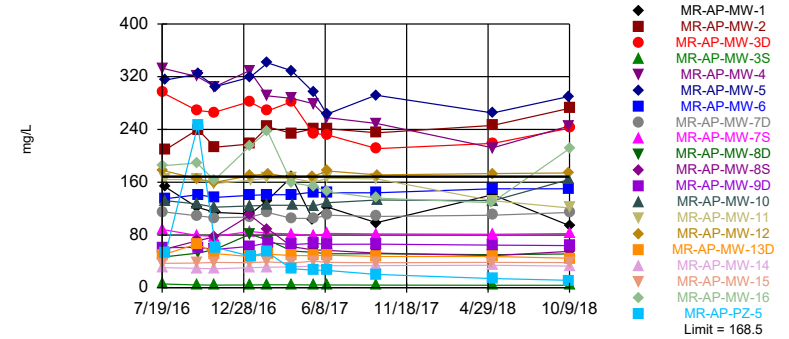


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. 10% NDs. Annual per-constituent alpha = 0.04157. Individual comparison alpha = 0.001061 (1 of 2). Comparing 20 points to limit.

Constituent: Boron Analysis Run 12/18/2018 2:25 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Exceeds Limit: MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-M

Prediction Limit
Interwell Parametric

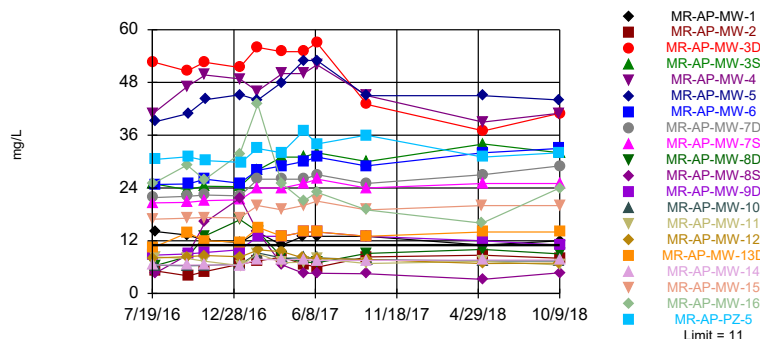


Background Data Summary (based on natural log transformation): Mean=3.127, Std. Dev.=0.8898, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.919. Kappa = 2.248 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Calcium Analysis Run 12/18/2018 2:25 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-

Prediction Limit
Interwell Non-parametric

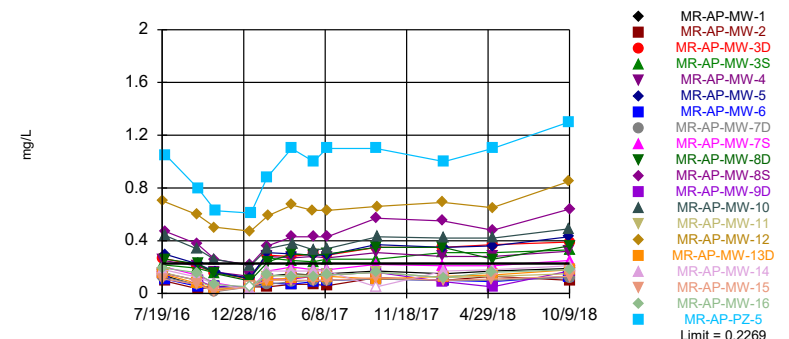


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Annual per-constituent alpha = 0.04157. Individual comparison alpha = 0.001061 (1 of 2). Comparing 20 points to limit.

Constituent: Chloride Analysis Run 12/18/2018 2:25 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Exceeds Limit: MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-

Prediction Limit
Interwell Parametric



Background Data Summary: Mean=0.1139, Std. Dev.=0.05064, n=44, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9488, critical = 0.924. Kappa = 2.232 (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: Fluoride Analysis Run 12/18/2018 2:25 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 7/19/2016 | 0.527 | 0.496 | 0.15 | 0.195 | 2.86 | | | | |
| 7/20/2016 | | | | | | 0.115 | 0.644 | 0.295 | 2.36 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 0.54 | | 0.175 | 0.179 | 2.86 | 0.135 | | | |
| 9/27/2016 | | 0.514 | | | | | | 0.282 | 2.14 |
| 9/28/2016 | | | | | | | 0.641 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 0.586 | | 0.204 | 0.19 | 3.25 | 0.153 | | | |
| 11/1/2016 | | 0.571 | | | | | 0.671 | | 2.21 |
| 11/2/2016 | | | | | | | | 0.293 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 0.584 | 0.572 | 0.192 | 0.196 | 2.71 | 0.19 | | | |
| 1/10/2017 | | | | | | | 0.696 | | |
| 1/11/2017 | | | | | | | | | 2.04 |
| 1/12/2017 | | | | | | | | 0.358 | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | 0.567 | 0.565 | | 0.187 | | | | | |
| 2/14/2017 | | | 0.161 | | 2.39 | 0.148 | | | |
| 2/15/2017 | | | | | | | 0.708 | 0.398 | 2.12 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | 0.527 | | | 0.192 | 1.86 | | | | |
| 4/4/2017 | | 0.536 | 0.147 | | | 0.129 | 0.716 | | 2.51 |
| 4/6/2017 | | | | | | | | 0.367 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 2.54 |
| 5/16/2017 | 0.477 | 0.482 | 0.168 | 0.178 | 2.67 | | | | |
| 5/17/2017 | | | | | | 0.157 | 0.735 | 0.358 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 0.491 | 0.478 | 0.18 | 0.181 | 2.81 | | | | |
| 6/13/2017 | | | | | | 0.14 | 0.695 | | |
| 6/14/2017 | | | | | | | | 0.406 | 2.83 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 0.192 | | 3 | 0.115 | 0.716 | 0.409 | |
| 9/20/2017 | 0.505 | 0.506 | | 0.188 | | | | | |
| 9/21/2017 | | | | | | | | | 3.76 |
| 5/7/2018 | | | 0.258 | | 2.83 | | | | |
| 5/8/2018 | | | | | | 0.102 | 0.722 | 0.399 | 5.61 |
| 5/9/2018 | | 0.433 | | | | | | | |
| 5/10/2018 | 0.425 | | | 0.183 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 0.503 | | | | | | | 6.35 |
| 10/9/2018 | 0.471 | | 0.237 | 0.202 | 2.85 | 0.118 | 0.752 | 0.437 | |

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 0.0601 (J) | 0.0816 (J) | | | | | | | |
| 7/21/2016 | | | 0.69 | 0.744 | | | | | |
| 7/25/2016 | | | | | 0.0282 (J) | 1.56 | 3.36 | 0.0978 (J) | 0.916 |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | 0.0625 (J) | |
| 9/27/2016 | 0.0979 (J) | 0.0837 (J) | 0.669 | 0.711 | 0.0253 (J) | 1.55 | 3.18 | | |
| 9/28/2016 | | | | | | | | | 1.03 |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | 3.32 | | |
| 11/1/2016 | 0.108 | 0.0837 (J) | 0.697 | 0.745 | 0.0266 (J) | 1.47 | | | 1.04 |
| 11/2/2016 | | | | | | | | 0.067 (J) | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 0.705 | 0.733 | | 1.52 | | | 1.01 |
| 1/11/2017 | 0.0719 (J) | 0.0795 (J) | | | | | 3.05 | 0.0588 (J) | |
| 1/12/2017 | | | | | 0.0268 (J) | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | | | | | 0.0263 (J) | | | 0.0561 (J) | |
| 2/14/2017 | | | 0.722 | 0.753 | | 1.46 | 2.87 | | |
| 2/15/2017 | 0.0714 (J) | 0.0889 (J) | | | | | | | 1.05 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | | | | | | | | 0.0631 (J) | |
| 4/4/2017 | 0.0553 (J) | | 0.727 | 0.755 | 0.0252 (J) | 1.58 | | | 1.15 |
| 4/6/2017 | | 0.0777 (J) | | | | | 2.87 | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | 0.0636 (J) | |
| 5/16/2017 | | | 0.647 | 0.691 | 0.0319 (J) | 1.45 | | | |
| 5/17/2017 | 0.0781 (J) | 0.095 (J) | | | | | 2.71 | | 1.13 |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 0.0675 (J) | 0.0938 (J) | 0.673 | 0.715 | | 1.59 | 2.67 | | 1.13 |
| 6/14/2017 | | | | | 0.026 (J) | | | 0.0603 (J) | |
| 9/18/2017 | | | 0.697 | 0.734 | | | | | |
| 9/19/2017 | 0.0732 (J) | 0.108 | | | 0.0253 (J) | 1.76 | | 0.0559 (J) | 1.13 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | 3.08 | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 0.083 (J) | 0.101 | | | <0.1 | | | | |
| 5/9/2018 | | | 0.692 | 0.727 | | 1.05 | | 0.0437 (J) | 0.76 |
| 5/10/2018 | | | | | | | 3.04 | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | 3.46 | | |
| 10/9/2018 | 0.102 | 0.106 | 0.737 | 0.769 | 0.0262 (J) | 2.05 | | 0.0559 (J) | 1.16 |

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-PZ-5 | MR-AP-MW-6 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 0.0922 (J) | | | | | |
| 7/26/2016 | | 0.434 | 0.835 | 0.873 | | |
| 8/2/2016 | | | | | 0.1 | |
| 8/3/2016 | | | | | | 0.0239 (J) |
| 9/20/2016 | | | | | 0.1 | |
| 9/21/2016 | | | | | | 0.1 |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 0.126 | 0.454 | 0.807 | 0.857 | | |
| 10/25/2016 | | | | | 0.1 | 0.1 |
| 10/31/2016 | | | | | | |
| 11/1/2016 | 0.0959 (J) | | 0.838 | | | |
| 11/2/2016 | | 0.46 | | 0.909 | | |
| 12/13/2016 | | | | | 0.1 | 0.1 |
| 1/9/2017 | | | 0.848 | | | |
| 1/10/2017 | | | | 0.915 | | |
| 1/11/2017 | 0.0976 (J) | | | | | |
| 1/12/2017 | | 0.471 | | | | |
| 2/6/2017 | | | | | | 0.1 |
| 2/8/2017 | | | | | 0.1 | |
| 2/13/2017 | | 0.473 | 0.869 | | | |
| 2/14/2017 | 0.147 | | | 0.932 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 0.1 |
| 3/29/2017 | | | | | 0.1 | |
| 4/3/2017 | | 0.424 | 0.881 | 0.932 | | |
| 4/4/2017 | 0.121 | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 0.1 |
| 4/26/2017 | | | | | 0.1 | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 0.167 | | 0.81 | | | |
| 5/17/2017 | | 0.462 | | 0.953 | | |
| 6/7/2017 | | | | | <0.1 | <0.1 |
| 6/12/2017 | | 0.418 | 0.832 | 0.854 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 0.159 | | | | | |
| 9/18/2017 | | 0.428 | 0.864 | 0.921 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 0.148 | | | | | |
| 9/21/2017 | | | | | | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |
| 5/9/2018 | 0.145 | 0.406 | 0.878 | 0.851 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | <0.1 | <0.1 |
| 10/8/2018 | | 0.42 | 0.905 | 0.833 | | |
| 10/9/2018 | 0.15 | | | | | |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 7/19/2016 | 296 | 333 | 37 | 5.63 | 185 | | | | |
| 7/20/2016 | | | | | | 30.5 | 60.6 | 91.9 | 178 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 269 | | 37.5 | 4.28 | 189 | 29.3 | | | |
| 9/27/2016 | | 320 | | | | | | 79.9 | 165 |
| 9/28/2016 | | | | | | | 61.2 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 266 | | 38.4 | 4.04 | 163 | 28.6 | | | |
| 11/1/2016 | | 305 | | | | | 58 | | 160 |
| 11/2/2016 | | | | | | | | 83.8 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 282 | 329 | 37.8 | 4.15 | 214 | 30.3 | | | |
| 1/10/2017 | | | | | | | 62.6 | | |
| 1/11/2017 | | | | | | | | | 170 |
| 1/12/2017 | | | | | | | | 62.5 | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | 268 | 291 | | 4.38 | | | | | |
| 2/14/2017 | | | 39.2 | | 237 | 31.1 | | | |
| 2/15/2017 | | | | | | | 68.2 | 20.9 | 173 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | 282 | | | 4.45 | 159 | | | | |
| 4/4/2017 | | 287 | 37.5 | | | 31.7 | 65.4 | | 167 |
| 4/6/2017 | | | | | | | | 18.6 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 169 |
| 5/16/2017 | 234 | 279 | 40.4 | 4.23 | 154 | | | | |
| 5/17/2017 | | | | | | 32.8 | 67.3 | 57.1 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 232 | 258 | 38.4 | 4.14 | 146 | | | | |
| 6/13/2017 | | | | | | 33.4 | 65.8 | | |
| 6/14/2017 | | | | | | | | 50.7 | 177 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 37.8 | | 136 | 33.6 | 66 | 50.7 | |
| 9/20/2017 | 211 | 249 | | 3.88 | | | | | |
| 9/21/2017 | | | | | | | | | 171 |
| 5/7/2018 | | | 38.4 | | 129 | | | | |
| 5/8/2018 | | | | | | 34 | 64.6 | 57.8 | 173 |
| 5/9/2018 | | 212 | | | | | | | |
| 5/10/2018 | 219 | | | 3.79 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 245 | | | | | | | 174 |
| 10/9/2018 | 242 | | 38.2 | 3.78 | 211 | 32.8 | 63.8 | 51.7 | |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 49.9 | 15.5 | | | | | | | |
| 7/21/2016 | | | 88.2 | 115 | | | | | |
| 7/25/2016 | | | | | 164 | 58.5 | 132 | 153 | 46.8 |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | 122 | |
| 9/27/2016 | 66.5 | 14.3 | 79.1 | 109 | 164 | 71.1 | 127 | | |
| 9/28/2016 | | | | | | | | | 52.4 |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | 122 | | |
| 11/1/2016 | 51.8 | 14.3 | 78 | 106 | 158 | 77.2 | | | 58 |
| 11/2/2016 | | | | | | | | 114 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 85.3 | 107 | | 110 | | | 81.2 |
| 1/11/2017 | 47.2 | 15.1 | | | | | 124 | 112 | |
| 1/12/2017 | | | | | 163 | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | | | | | 166 | | | 132 | |
| 2/14/2017 | | | 82.7 | 114 | | 89.3 | 125 | | |
| 2/15/2017 | 50.7 | 15.7 | | | | | | | 72.1 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | | | | | | | | 168 | |
| 4/4/2017 | 48.9 | | 81.6 | 105 | 166 | 62.2 | | | 55.7 |
| 4/6/2017 | | 15.1 | | | | | 125 | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | 104 | |
| 5/16/2017 | | | 78.6 | 105 | 160 | 57.3 | | | |
| 5/17/2017 | 48.7 | 16.1 | | | | | 124 | | 53.7 |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 49.2 | 16.2 | 82.3 | 110 | | 56.6 | 129 | | 51.6 |
| 6/14/2017 | | | | | 166 | | | 122 | |
| 9/18/2017 | | | 81.6 | 108 | | | | | |
| 9/19/2017 | 47.3 | 15.9 | | | 165 | 52.5 | | 98.6 | 51.5 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | 133 | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 47.3 | 16.7 | | | 132 | | | | |
| 5/9/2018 | | | 81.1 | 110 | | 48.6 | | 141 | 50 |
| 5/10/2018 | | | | | | | 132 | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | 164 | | |
| 10/9/2018 | 44.6 | 15.8 | 82 | 114 | 121 | 55.2 | | 94.1 | 51.3 |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-PZ-5 | MR-AP-MW-6 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 209 | | | | | |
| 7/26/2016 | | 52.8 | 135 | 315 | | |
| 8/2/2016 | | | | | 47.2 | |
| 8/3/2016 | | | | | | 6.85 |
| 9/20/2016 | | | | | 46.3 | |
| 9/21/2016 | | | | | | 11.7 |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 240 | 246.4 | 141 | 324 | | |
| 10/25/2016 | | | | | 46.6 | 10.8 |
| 10/31/2016 | | | | | | |
| 11/1/2016 | 213 | | 137 | | | |
| 11/2/2016 | | 61.3 | | 305 | | |
| 12/13/2016 | | | | | 43.1 | 5.86 |
| 1/9/2017 | | | 140 | | | |
| 1/10/2017 | | | | 319 | | |
| 1/11/2017 | 218 | | | | | |
| 1/12/2017 | | 47.7 | | | | |
| 2/6/2017 | | | | | | 9.76 |
| 2/8/2017 | | | | | 47.5 | |
| 2/13/2017 | | 54 | 141 | | | |
| 2/14/2017 | 244 | | | 341 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 5.28 |
| 3/29/2017 | | | | | 46.8 | |
| 4/3/2017 | | 28.7 | 141 | 329 | | |
| 4/4/2017 | 234 | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 6.89 |
| 4/26/2017 | | | | | 48.1 | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 241 | | 145 | | | |
| 5/17/2017 | | 26.7 | | 296 | | |
| 6/7/2017 | | | | | 44.4 | 3.58 |
| 6/12/2017 | | 26.3 | 144 | 263 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 241 | | | | | |
| 9/18/2017 | | 20.2 | 144 | 292 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 235 | | | | | |
| 9/21/2017 | | | | | | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |
| 5/9/2018 | 246 | 13.8 | 150 | 265 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | 44.3 | 4.25 |
| 10/8/2018 | | 11.1 | 150 | 290 | | |
| 10/9/2018 | 272 | | | | | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 7/19/2016 | 52.7 | 40.8 | 16.9 | 25 | 24.9 | | | | |
| 7/20/2016 | | | | | | 6.47 | 8.7 | 9.28 | 8.05 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 50.6 | | 17.1 | 23.6 | 29.2 | 6.48 | | | |
| 9/27/2016 | | 47.1 | | | | | | 9.44 | 8.37 |
| 9/28/2016 | | | | | | | 8.99 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 52.6 | | 17.3 | 24.4 | 25.9 | 6.5 | | | |
| 11/1/2016 | | 49.7 | | | | | 9.34 | | 8.62 |
| 11/2/2016 | | | | | | | | 10.2 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 51.4 | 48.8 | 17.2 | 24.3 | 31.7 | 6.4 | | | |
| 1/10/2017 | | | | | | | 9.94 | | |
| 1/11/2017 | | | | | | | | | 8.33 |
| 1/12/2017 | | | | | | | | 8.44 | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | 56 | 46 | | 28 | | | | | |
| 2/14/2017 | | | 20 | | 43 | 7.8 | | | |
| 2/15/2017 | | | | | | | 13 | 2.7 | 9.9 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | 55 | | | 31 | 25 | | | | |
| 4/4/2017 | | 50 | 19 | | | 7.6 | 13 | | 9.5 |
| 4/6/2017 | | | | | | | | 5.6 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 8.1 |
| 5/16/2017 | 55 | 50 | 20 | 31 | 21 | | | | |
| 5/17/2017 | | | | | | 7.8 | 14 | 8.3 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 57 | 52 | 21 | 32 | 23 | | | | |
| 6/13/2017 | | | | | | 7.5 | 14 | | |
| 6/14/2017 | | | | | | | | 6.6 | 8 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 19 | | 19 | 7.5 | 13 | 7.1 | |
| 9/20/2017 | 43 | 45 | | 30 | | | | | |
| 9/21/2017 | | | | | | | | | 7.7 |
| 5/7/2018 | | | 20 | | 16 | | | | |
| 5/8/2018 | | | | | | 7.6 | 12 | 4.2 | 6.8 |
| 5/9/2018 | | 39 | | | | | | | |
| 5/10/2018 | 37 | | | 34 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 41 | | | | | | | 6.9 |
| 10/9/2018 | 41 | | 20 | 32 | 24 | 7.6 | 11 | 7.5 | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 10.4 | 8.49 | | | | | | | |
| 7/21/2016 | | | 20.6 | 21.8 | | | | | |
| 7/25/2016 | | | | | 8.3 | 4.64 | 6.41 | 14.1 | 6.35 |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | 13.3 | |
| 9/27/2016 | 13.8 | 7.85 | 20.7 | 22.1 | 7.94 | 8.74 | 6.3 | | |
| 9/28/2016 | | | | | | | | | 8.42 |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | 6.36 | | |
| 11/1/2016 | 12 | 7.7 | 21.1 | 22.4 | 7.32 | 16.2 | | | 13.1 |
| 11/2/2016 | | | | | | | | 12.1 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 21.3 | 22.2 | | 21.7 | | | 16.8 |
| 1/11/2017 | 11.7 | 6.9 | | | | | 6.65 | 11.6 | |
| 1/12/2017 | | | | | 6.29 | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | | | | | 9.1 | | | 14 | |
| 2/14/2017 | | | 24 | 26 | | 14 | 9.2 | | |
| 2/15/2017 | 15 | 9.4 | | | | | | | 14 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | | | | | | | | 11 | |
| 4/4/2017 | 13 | | 24 | 26 | 7 | 6.5 | | | 8.2 |
| 4/6/2017 | | 7.5 | | | | | 8 | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | 13 | |
| 5/16/2017 | | | 25 | 26 | 7.1 | 4.6 | | | |
| 5/17/2017 | 14 | 8.9 | | | | | 8.1 | | 7.1 |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 14 | 9.1 | 26 | 27 | | 4.6 | 8.1 | | 7 |
| 6/14/2017 | | | | | 7.9 | | | 13 | |
| 9/18/2017 | | | 24 | 25 | | | | | |
| 9/19/2017 | 13 | 10 | | | 6.8 | 4.5 | | 13 | 9.1 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | 7.7 | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 14 | 11 | | | 7.3 | | | | |
| 5/9/2018 | | | 25 | 27 | | 3.2 | | 11 | 10 |
| 5/10/2018 | | | | | | | 7.4 | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | 7.4 | | |
| 10/9/2018 | 14 | 10 | 25 | 29 | 6.5 | 4.7 | | 12 | 9 |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-PZ-5 | MR-AP-MW-6 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 5.13 | | | | | |
| 7/26/2016 | | 30.5 | 24.8 | 39.1 | | |
| 8/2/2016 | | | | | 2.91 | |
| 8/3/2016 | | | | | | 3.21 |
| 9/20/2016 | | | | | 2.94 | |
| 9/21/2016 | | | | | | 2.95 |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 4 | 31.1 | 24.9 | 40.9 | | |
| 10/25/2016 | | | | | 2.94 | 3.03 |
| 10/31/2016 | | | | | | |
| 11/1/2016 | 4.99 | | 26 | | | |
| 11/2/2016 | | 30.2 | | 44.1 | | |
| 12/13/2016 | | | | | 2.93 | 3.21 |
| 1/9/2017 | | | 25.1 | | | |
| 1/10/2017 | | | | 45.2 | | |
| 1/11/2017 | 6.72 | | | | | |
| 1/12/2017 | | 29.8 | | | | |
| 2/6/2017 | | | | | | 3 |
| 2/8/2017 | | | | | 2.85 | |
| 2/13/2017 | | 33 | 28 | | | |
| 2/14/2017 | 7.4 | | | 44 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 3.3 (D) |
| 3/29/2017 | | | | | 3.4 (D) | |
| 4/3/2017 | | 32 | 29 | 48 | | |
| 4/4/2017 | 8.3 | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 3.8 (D) |
| 4/26/2017 | | | | | 3.7 (D) | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 6.6 | | 30 | | | |
| 5/17/2017 | | 37 | | 53 | | |
| 6/7/2017 | | | | | 3.3 | 3.5 |
| 6/12/2017 | | 34 | 31 | 53 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 6 | | | | | |
| 9/18/2017 | | 36 | 29 | 45 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 8.3 | | | | | |
| 9/21/2017 | | | | | | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |
| 5/9/2018 | 8.7 | 31 | 32 | 45 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | 3.2 | 3.3 |
| 10/8/2018 | | 32 | 33 | 44 | | |
| 10/9/2018 | 8 | | | | | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 7/19/2016 | 0.268 (J) | 0.252 (J) | 0.111 (J) | 0.217 (J) | 0.194 (J) | | | | |
| 7/20/2016 | | | | | | 0.182 (J) | 0.155 (J) | 0.139 (J) | 0.701 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 0.213 (J) | | 0.069 (J) | 0.192 (J) | 0.158 (J) | 0.124 (J) | | | |
| 9/27/2016 | | 0.209 (J) | | | | | | 0.086 (J) | 0.597 |
| 9/28/2016 | | | | | | | 0.1 (J) | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 0.158 (J) | | 0.018 (J) | 0.157 (J) | 0.068 (J) | 0.074 (J) | | | |
| 11/1/2016 | | 0.163 (J) | | | | | 0.046 (J) | | 0.502 |
| 11/2/2016 | | | | | | | | 0.047 (J) | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 0.109 (J) | 0.13 (J) | <0.1 | 0.115 (J) | <0.1 | 0.028 (J) | | | |
| 1/10/2017 | | | | | | | <0.1 | | |
| 1/11/2017 | | | | | | | | | 0.472 |
| 1/12/2017 | | | | | | | | <0.1 | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | 0.29 | 0.28 | | 0.27 | | | | | |
| 2/14/2017 | | | 0.1 | | 0.14 | 0.17 | | | |
| 2/15/2017 | | | | | | | 0.11 | 0.17 | 0.59 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | 0.28 | | | 0.25 | 0.13 | | | | |
| 4/4/2017 | | 0.27 | 0.1 | | | 0.17 | 0.11 | | 0.67 |
| 4/6/2017 | | | | | | | | 0.2 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 0.63 |
| 5/16/2017 | 0.3 | 0.28 | 0.1 | 0.24 | 0.13 | | | | |
| 5/17/2017 | | | | | | 0.17 | 0.13 | 0.14 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 0.29 | 0.27 | 0.1 | 0.26 | 0.14 | | | | |
| 6/13/2017 | | | | | | 0.17 | 0.14 | | |
| 6/14/2017 | | | | | | | | 0.16 | 0.63 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 0.12 | | 0.16 | <0.1 | 0.16 | 0.19 | |
| 9/20/2017 | 0.35 | 0.31 | | 0.26 | | | | | |
| 9/21/2017 | | | | | | | | | 0.66 |
| 1/29/2018 | 0.35 | 0.28 | | 0.31 | | | | | |
| 1/30/2018 | | | | | | | 0.09 (J) | 0.19 | 0.69 |
| 1/31/2018 | | | 0.1 | | | | | | |
| 2/1/2018 | | | | | 0.12 | 0.17 | | | |
| 2/19/2018 | | | | | | | | | |
| 2/20/2018 | | | | | | | | | |
| 5/7/2018 | | | 0.11 | | 0.16 | | | | |
| 5/8/2018 | | | | | | 0.18 | 0.05 (J) | 0.22 | 0.65 |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|-----------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 5/9/2018 | | 0.28 | | | | | | | |
| 5/10/2018 | 0.37 | | | 0.31 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 0.32 | | | | | | 0.85 | |
| 10/9/2018 | 0.39 | | 0.13 | 0.33 | 0.18 | 0.21 | 0.17 | 0.22 | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 0.149 (J) | 0.106 (J) | | | | | | | |
| 7/21/2016 | | | 0.203 (J) | 0.125 (J) | | | | | |
| 7/25/2016 | | | | | 0.155 (J) | 0.471 | 0.439 | 0.134 (J) | 0.26 (J) |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | 0.061 (J) | |
| 9/27/2016 | 0.076 (J) | 0.058 (J) | 0.138 (J) | 0.068 (J) | 0.097 (J) | 0.375 | 0.336 | | |
| 9/28/2016 | | | | | | | | | 0.225 (J) |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | 0.26 (J) | | |
| 11/1/2016 | 0.028 (J) | 0.078 (J) | 0.08 (J) | 0.014 (J) | 0.038 (J) | 0.259 (J) | | | 0.151 (J) |
| 11/2/2016 | | | | | | | | 0.024 (J) | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 0.034 (J) | <0.1 | | 0.215 (J) | | | 0.095 (J) |
| 1/11/2017 | <0.1 | <0.1 | | | | | 0.21 (J) | <0.1 | |
| 1/12/2017 | | | | | <0.1 | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | | | | | 0.13 | | | 0.13 | |
| 2/14/2017 | | | 0.17 | 0.07 (J) | | 0.36 | 0.34 | | |
| 2/15/2017 | 0.1 | 0.06 (J) | | | | | | | 0.24 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | | | | | | | | 0.15 | |
| 4/4/2017 | 0.12 | | 0.2 | 0.09 (J) | 0.14 | 0.43 | | | 0.3 |
| 4/6/2017 | | 0.07 (J) | | | | | 0.38 | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | 0.14 | |
| 5/16/2017 | | | 0.18 | 0.1 | 0.14 | 0.43 | | | |
| 5/17/2017 | 0.13 | 0.09 (J) | | | | | 0.33 | | 0.29 |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 0.13 | 0.09 (J) | 0.18 | 0.1 | | 0.43 | 0.34 | | 0.3 |
| 6/14/2017 | | | | | 0.14 | | | 0.15 | |
| 9/18/2017 | | | 0.22 | 0.11 | | | | | |
| 9/19/2017 | 0.11 | 0.11 | | | 0.16 | 0.57 | | 0.17 | 0.35 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | 0.43 | | |
| 1/29/2018 | | | | 0.1 | | | | | |
| 1/30/2018 | | | 0.21 | | | 0.55 | | | 0.35 |
| 1/31/2018 | 0.13 | 0.09 (J) | | | | | 0.42 | | |
| 2/1/2018 | | | | | 0.12 | | | 0.15 | |
| 2/19/2018 | | | | | | | | | |
| 2/20/2018 | | | | | | | | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 0.14 | 0.09 (J) | | | 0.13 | | | | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|-----------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 5/9/2018 | | | 0.21 | 0.1 | | 0.48 | | 0.17 | 0.26 |
| 5/10/2018 | | | | | | | 0.42 | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | 0.49 | | |
| 10/9/2018 | 0.18 | 0.12 | 0.25 | 0.12 | 0.15 | 0.64 | | 0.19 | 0.36 |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-MW-6 | MR-AP-PZ-5 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 0.094 (J) | | | | | |
| 7/26/2016 | | 0.108 (J) | 1.05 | 0.296 (J) | | |
| 8/2/2016 | | | | | 0.161 (J) | |
| 8/3/2016 | | | | | | 0.125 (J) |
| 9/20/2016 | | | | | 0.122 (J) | |
| 9/21/2016 | | | | | | 0.098 (J) |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 0.035 (J) | 0.054 (J) | 0.799 | 0.224 (J) | | |
| 10/25/2016 | | | | | 0.058 (J) | 0.025 (J) |
| 10/31/2016 | | | | | | |
| 11/1/2016 | <0.1 | <0.1 | | | | |
| 11/2/2016 | | | 0.627 | 0.164 (J) | | |
| 12/13/2016 | | | | | 0.072 (J) | 0.045 (J) |
| 1/9/2017 | | <0.1 | | | | |
| 1/10/2017 | | | | 0.114 (J) | | |
| 1/11/2017 | <0.1 | | | | | |
| 1/12/2017 | | | 0.609 | | | |
| 2/6/2017 | | | | | | 0.1 (D) |
| 2/8/2017 | | | | | 0.16 (D) | |
| 2/13/2017 | | 0.08 (J) | 0.88 | | | |
| 2/14/2017 | 0.05 (J) | | | 0.31 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 0.08 (JD) |
| 3/29/2017 | | | | | 0.14 (D) | |
| 4/3/2017 | | 0.07 (J) | 1.1 | 0.3 | | |
| 4/4/2017 | 0.07 (J) | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 0.09 (JD) |
| 4/26/2017 | | | | | 0.16 (D) | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 0.07 (J) | 0.09 (J) | | | | |
| 5/17/2017 | | | 1 | 0.29 | | |
| 6/7/2017 | | | | | 0.15 | 0.08 (J) |
| 6/12/2017 | | 0.1 | 1.1 | 0.29 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 0.06 (J) | | | | | |
| 9/18/2017 | | 0.11 | 1.1 | 0.37 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 0.12 | | | | | |
| 9/21/2017 | | | | | | |
| 1/29/2018 | | | | | | |
| 1/30/2018 | | | | | | |
| 1/31/2018 | | | | | | |
| 2/1/2018 | 0.1 | 0.1 | 1 | 0.35 | | |
| 2/19/2018 | | | | | | 0.08 (J) |
| 2/20/2018 | | | | | 0.17 | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |

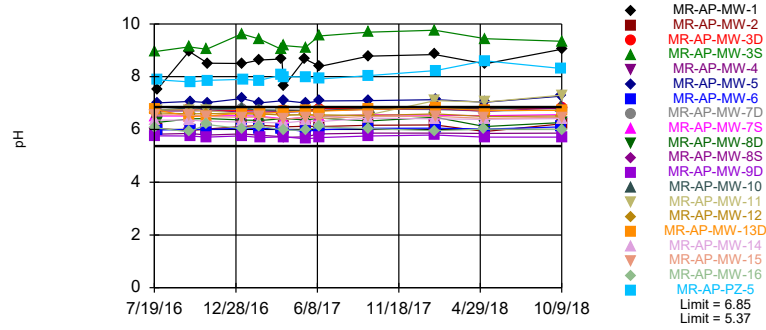
Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-MW-6 | MR-AP-PZ-5 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|-----------|------------|------------|------------|------------|------------------|-----------------|
| 5/9/2018 | 0.13 | 0.09 (J) | 1.1 | 0.36 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | 0.17 | 0.1 |
| 10/8/2018 | | 0.13 | 1.3 | 0.43 | | |
| 10/9/2018 | 0.1 | | | | | |

Exceeds Limits: MR-AP-MW-1, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-10...

Prediction Limit
Interwell Non-parametric

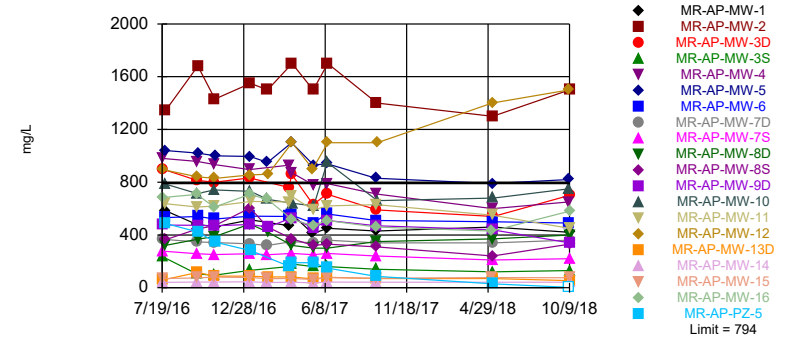


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 44 background values. Annual per-constituent alpha = 0.07225. Individual comparison alpha = 0.001839 (1 of 2). Comparing 20 points to limit.

Constituent: pH Analysis Run 12/18/2018 2:25 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Exceeds Limit: MR-AP-MW-2, MR-AP-MW-5, MR-AP-MW-12

Prediction Limit
Interwell Non-parametric

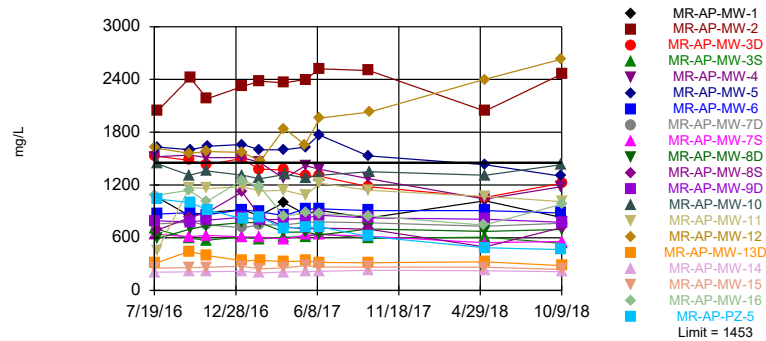


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 40 background values. Annual per-constituent alpha = 0.04157. Individual comparison alpha = 0.001061 (1 of 2). Comparing 20 points to limit.

Constituent: Sulfate Analysis Run 12/18/2018 2:26 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Exceeds Limit: MR-AP-MW-2, MR-AP-MW-12

Prediction Limit
Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=5.612, Std. Dev.=0.7427, n=40. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9327, critical = 0.919. Kappa = 2.248 (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: TDS Analysis Run 12/18/2018 2:26 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Prediction Limit

Constituent: pH (pH) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-16 | MR-AP-MW-3S | MR-AP-MW-15 | MR-AP-MW-9S (bg) | MR-AP-MW-9D | MR-AP-MW-14 | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|------------------|-------------|-------------|-------------|
| 7/19/2016 | 6.72 | 5.82 | 6.07 | 8.95 | 6.55 | | | | |
| 7/20/2016 | | | | | | 5.45 | 5.76 | 6.35 | 6.63 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 6.76 | | 5.91 | 9.13 | 6.55 | | | 6.36 | |
| 9/27/2016 | | 5.85 | | | | 5.46 | | | 6.59 |
| 9/28/2016 | | | | | | | 5.75 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 6.72 | | 6.19 | 9.04 | 6.49 | | | 6.31 | |
| 11/1/2016 | | 5.79 | | | | | 5.71 | | 6.6 |
| 11/2/2016 | | | | | | 5.37 | | | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 6.73 | 5.83 | 6.03 | 9.62 | 6.46 | | | 6.28 | |
| 1/10/2017 | | | | | | | 5.76 | | |
| 1/11/2017 | | | | | | | | | 6.59 |
| 1/12/2017 | | | | | | 5.46 | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | 6.73 | 5.78 | | 9.43 | | | | | |
| 2/14/2017 | | | 6.13 | | 6.47 | | | 6.27 | |
| 2/15/2017 | | | | | | 5.96 | 5.69 | | 6.59 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | 6.68 | | | 9.04 | | | | | |
| 3/30/2017 | | 5.73 | | | | | | | |
| 4/3/2017 | 6.73 | | 5.97 | 9.18 | | | | | |
| 4/4/2017 | | 5.7 | | | 6.38 | | 5.72 | 6.25 | 6.54 |
| 4/6/2017 | | | | | | 6.07 | | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 6.56 |
| 5/16/2017 | 6.71 | 5.72 | 5.97 | 9.11 | 6.46 | | | | |
| 5/17/2017 | | | | | | 5.59 | 5.64 | 6.33 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 6.79 | 5.83 | 6.1 | 9.54 | 6.41 | | | | |
| 6/13/2017 | | | | | | | 5.69 | 6.3 | |
| 6/14/2017 | | | | | | 5.71 | | | 6.55 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 6.03 | | 6.5 | 5.73 | 5.75 | 6.43 | |
| 9/20/2017 | 6.8 | 5.86 | | 9.69 | | | | | |
| 9/21/2017 | | | | | | | | | 6.53 |
| 1/29/2018 | 6.82 | 5.86 | | 9.76 | | | | | |
| 1/30/2018 | | | 5.95 | | | 5.88 | 5.79 | 6.4 | 6.59 |
| 1/31/2018 | | | | | 6.5 | | | | |
| 2/19/2018 | | | | | | | | | |
| 2/20/2018 | | | | | | | | | |
| 5/7/2018 | | | 6.01 | | 6.42 | | | | |
| 5/8/2018 | | | | | | 5.86 | 5.71 | 6.38 | 6.49 |

Prediction Limit

Constituent: pH (pH) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-16 | MR-AP-MW-3S | MR-AP-MW-15 | MR-AP-MW-9S (bg) | MR-AP-MW-9D | MR-AP-MW-14 | MR-AP-MW-12 |
|-----------|-------------|------------|-------------|-------------|-------------|------------------|-------------|-------------|-------------|
| 5/9/2018 | | 5.85 | | | | | | | |
| 5/10/2018 | 6.79 | | | 9.44 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 5.86 | | | | | | | 6.51 |
| 10/9/2018 | 6.8 | | 6 | 9.34 | 6.46 | 5.76 | 5.71 | 6.41 | |

Prediction Limit

Constituent: pH (pH) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-8D | MR-AP-MW-10 | MR-AP-MW-1 |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 6.75 | 5.63 | | | | | | | |
| 7/21/2016 | | | 6.51 | 6.71 | | | | | |
| 7/25/2016 | | | | | 6.74 | 6.7 | 6.27 | 6.73 | 7.52 |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | | 8.96 |
| 9/27/2016 | 6.49 | 5.63 | 6.51 | 6.71 | 6.74 | 6.71 | | 6.82 | |
| 9/28/2016 | | | | | | | 6.4 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | | 6.78 | |
| 11/1/2016 | 6.5 | 5.58 | 6.51 | 6.74 | 6.71 | 6.71 | 6.41 | | |
| 11/2/2016 | | | | | | | | | 8.51 |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 6.52 | 6.77 | | 6.66 | 6.36 | | |
| 1/11/2017 | 6.64 | 5.56 | | | | | | 6.8 | 8.5 |
| 1/12/2017 | | | | | 6.61 | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | | | | | 6.58 | | | | 8.63 |
| 2/14/2017 | | | 6.5 | 6.74 | | 6.66 | | 6.74 | |
| 2/15/2017 | 6.61 | 5.58 | | | | | 6.34 | | |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 3/30/2017 | | | | | 6.57 | | | | 8.67 |
| 4/3/2017 | | | | | | | | | 7.63 |
| 4/4/2017 | 6.66 | | 6.4 | 6.66 | 6.56 | 6.66 | 6.41 | | |
| 4/6/2017 | | 5.53 | | | | | | 6.73 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 8.67 |
| 5/16/2017 | | | 6.45 | 6.69 | 6.56 | 6.68 | | | |
| 5/17/2017 | 6.7 | 5.53 | | | | | 6.36 | 6.73 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 6.69 | 5.57 | 6.49 | 6.71 | | 6.72 | 6.43 | 6.71 | |
| 6/14/2017 | | | | | 6.5 | | | | 8.39 |
| 9/18/2017 | | | 6.56 | 6.77 | | | | | |
| 9/19/2017 | 6.76 | 5.65 | | | 6.55 | 6.76 | 6.32 | | 8.78 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | | 6.8 | |
| 1/29/2018 | | | | 6.75 | | | | | 8.84 |
| 1/30/2018 | | | 6.54 | | 7.09 | 6.79 | 6.46 | | |
| 1/31/2018 | 6.81 | 5.67 | | | | | | 6.81 | |
| 2/19/2018 | | | | | | | | | |
| 2/20/2018 | | | | | | | | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 6.72 | 5.6 | | | 7.04 | | | | |

Prediction Limit

Constituent: pH (pH) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-8D | MR-AP-MW-10 | MR-AP-MW-1 |
|-----------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| 5/9/2018 | | | 6.52 | 6.7 | | 6.69 | 6.11 | | 8.49 |
| 5/10/2018 | | | | | | | | 6.77 | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | | 6.86 | |
| 10/9/2018 | 6.72 | 5.64 | 6.56 | 6.74 | 7.3 | 6.82 | 6.26 | | 9.04 |

Prediction Limit

Constituent: pH (pH) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-MW-6 | MR-AP-PZ-5 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 6.03 | | | | | |
| 7/26/2016 | | 5.98 | 7.88 | 7.01 | | |
| 8/2/2016 | | | | | 6.8 | |
| 8/3/2016 | | | | | | 5.84 |
| 9/20/2016 | | | | | 6.8 | |
| 9/21/2016 | | | | | | 5.99 |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 5.96 | 6 | 7.8 | 7.06 | | |
| 10/25/2016 | | | | | 6.85 | 5.94 |
| 10/31/2016 | | | | | | |
| 11/1/2016 | 6.02 | 6 | | | | |
| 11/2/2016 | | | 7.86 | 7.02 | | |
| 12/13/2016 | | | | | 6.8 | 5.84 |
| 1/9/2017 | | 6.04 | | | | |
| 1/10/2017 | | | | 7.17 | | |
| 1/11/2017 | 6.11 | | | | | |
| 1/12/2017 | | | 7.9 | | | |
| 2/6/2017 | | | | | | 5.9 |
| 2/8/2017 | | | | | 6.76 | |
| 2/13/2017 | | 6.04 | 7.86 | | | |
| 2/14/2017 | 6.16 | | | 7.01 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 5.67 |
| 3/29/2017 | | 6.01 | | | 6.76 | |
| 3/30/2017 | | | 8.06 | | | |
| 4/3/2017 | | 6.02 | 8 | 7.09 | | |
| 4/4/2017 | 6.1 | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 5.79 |
| 4/26/2017 | | | | | 6.71 | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 6.12 | 5.92 | | | | |
| 5/17/2017 | | | 7.99 | 7 | | |
| 6/7/2017 | | | | | 6.71 | 5.71 |
| 6/12/2017 | | 5.99 | 7.91 | 7.08 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 6.11 | | | | | |
| 9/18/2017 | | 6.04 | 8.04 | 7.09 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 6.16 | | | | | |
| 9/21/2017 | | | | | | |
| 1/29/2018 | | | | | | |
| 1/30/2018 | 6.17 | | | | | |
| 1/31/2018 | | 6.05 | 8.23 | 7.13 | | |
| 2/19/2018 | | | | | | 5.78 |
| 2/20/2018 | | | | | 6.77 | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |

Prediction Limit

Constituent: pH (pH) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-MW-6 | MR-AP-PZ-5 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|-----------|------------|------------|------------|------------|------------------|-----------------|
| 5/9/2018 | 5.92 | 6.01 | 8.6 | 7.03 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | 6.8 | 5.84 |
| 10/8/2018 | | 6.1 | 8.31 | 7.26 | | |
| 10/9/2018 | 6.21 | | | | | |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 7/19/2016 | 900 | 981 | 69.3 | 237 | 683 | | | | |
| 7/20/2016 | | | | | | 39.9 | 475 | 793 | 895 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 814 | | 74.7 | 105 | 707 | 42.2 | | | |
| 9/27/2016 | | 958 | | | | | | 674 | 841 |
| 9/28/2016 | | | | | | | 474 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 800 | | 80.6 | 94.9 | 610 | 42.7 | | | |
| 11/1/2016 | | 933 | | | | | 470 | | 829 |
| 11/2/2016 | | | | | | | | 794 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 833 | 896 | 77.9 | 131 | 707 | 45.5 | | | |
| 1/10/2017 | | | | | | | 480 | | |
| 1/11/2017 | | | | | | | | | 855 |
| 1/12/2017 | | | | | | | | 555 | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/14/2017 | | | 68 | | 670 | 39 | | | |
| 2/15/2017 | | | | | | | 460 | 86 | 860 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | 760 | | | 160 | | | | | |
| 3/30/2017 | | 930 | | | | | | | |
| 4/3/2017 | 860 | | | 180 | 520 | | | | |
| 4/4/2017 | | 870 | 71 | | | 41 | 530 | | 1100 |
| 4/6/2017 | | | | | | | | 65 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 900 |
| 5/16/2017 | 630 | 780 | 62 | 160 | 470 | | | | |
| 5/17/2017 | | | | | | 37 | 450 | 410 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 710 | 790 | 77 | 160 | 510 | | | | |
| 6/13/2017 | | | | | | 43 | 510 | | |
| 6/14/2017 | | | | | | | | 410 | 1100 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 72 | | 460 | 41 | 470 | 380 | |
| 9/20/2017 | 590 | 710 | | 140 | | | | | |
| 9/21/2017 | | | | | | | | | 1100 |
| 5/7/2018 | | | 77 | | 430 | | | | |
| 5/8/2018 | | | | | | 42 | 440 | 360 | 1400 |
| 5/9/2018 | | 600 | | | | | | | |
| 5/10/2018 | 540 | | | 120 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 650 | | | | | | | 1500 |
| 10/9/2018 | 700 | | 76 | 130 | 580 | 41 | 340 | 340 | |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 58.9 | 125 | | | | | | | |
| 7/21/2016 | | | 277 | 367 | | | | | |
| 7/25/2016 | | | | | 637 | 363 | 787 | 585 | 321 |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | 480 | |
| 9/27/2016 | 115 | 116 | 258 | 347 | 612 | 446 | 714 | | |
| 9/28/2016 | | | | | | | | | 368 |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | 741 | | |
| 11/1/2016 | 87.8 | 108 | 251 | 342 | 619 | 471 | | | 389 |
| 11/2/2016 | | | | | | | | 462 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 257 | 333 | | 604 | | | 483 |
| 1/11/2017 | 87.1 | 128 | | | | | 731 | 515 | |
| 1/12/2017 | | | | | 654 | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/14/2017 | | | 250 | 320 | | 460 | 670 | | |
| 2/15/2017 | 82 | 110 | | | | | | | 420 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 3/30/2017 | | | | | 650 | | | 470 | |
| 4/3/2017 | | | | | | | | 560 | |
| 4/4/2017 | 82 | | 260 | 350 | 690 | 370 | | | 320 |
| 4/6/2017 | | 120 | | | | | 640 | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | 410 | |
| 5/16/2017 | | | 250 | 340 | 590 | 320 | | | |
| 5/17/2017 | 66 | 110 | | | | | 620 | | 300 |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 79 | 120 | 260 | 360 | | 330 | 950 | | 300 |
| 6/14/2017 | | | | | 620 | | | 450 | |
| 9/18/2017 | | | 240 | 340 | | | | | |
| 9/19/2017 | 69 | 120 | | | 630 | 310 | | 430 | 350 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | 660 | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 70 | 120 | | | 550 | | | | |
| 5/9/2018 | | | 210 | 340 | | 240 | | 460 | 370 |
| 5/10/2018 | | | | | | | 680 | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | 750 | | |
| 10/9/2018 | 54 | 120 | 220 | 360 | 450 | 330 | | 420 | 400 |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-PZ-5 | MR-AP-MW-6 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 1340 | | | | | |
| 7/26/2016 | | 487 | 532 | 1040 | | |
| 8/2/2016 | | | | | 12 | |
| 8/3/2016 | | | | | | 4.2 |
| 9/20/2016 | | | | | 11.2 | |
| 9/21/2016 | | | | | | 4.27 |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 1680 | 422 | 540 | 1020 | | |
| 10/25/2016 | | | | | 10.1 | 2.78 |
| 10/31/2016 | | | | | | |
| 11/1/2016 | 1430 | | 521 | | | |
| 11/2/2016 | | 345 | | 1000 | | |
| 12/13/2016 | | | | | 11.4 | 3.18 |
| 1/9/2017 | | | 543 | | | |
| 1/10/2017 | | | | 995 | | |
| 1/11/2017 | 1550 | | | | | |
| 1/12/2017 | | 281 | | | | |
| 2/6/2017 | | | | | | 3.74 |
| 2/8/2017 | | | | | 10.9 | |
| 2/14/2017 | 1500 | | | 950 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 3.4 (JD) |
| 3/29/2017 | | | 540 | | 11 (D) | |
| 3/30/2017 | | 160 | | | | |
| 4/3/2017 | | 190 | 550 | 1100 | | |
| 4/4/2017 | 1700 | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 2.7 (JD) |
| 4/26/2017 | | | | | 11 (D) | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 1500 | | 490 | | | |
| 5/17/2017 | | 190 | | 930 | | |
| 6/7/2017 | | | | | 11 | 2.7 (J) |
| 6/12/2017 | | 150 | 560 | 940 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 1700 | | | | | |
| 9/18/2017 | | 86 | 510 | 830 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 1400 | | | | | |
| 9/21/2017 | | | | | | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |
| 5/9/2018 | 1300 | 29 | 500 | 790 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | 11 | 2.5 (J) |
| 10/8/2018 | | <5 (J) | 490 | 820 | | |
| 10/9/2018 | 1500 | | | | | |

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-3D | MR-AP-MW-4 | MR-AP-MW-15 | MR-AP-MW-3S | MR-AP-MW-16 | MR-AP-MW-14 | MR-AP-MW-9D | MR-AP-MW-9S (bg) | MR-AP-MW-12 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|
| 7/19/2016 | 1530 | 1520 | 255 | 704 | 1080 | | | | |
| 7/20/2016 | | | | | | 207 | 792 | 1250 | 1620 |
| 7/21/2016 | | | | | | | | | |
| 7/25/2016 | | | | | | | | | |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | 1480 | | 259 | 594 | 1140 | 211 | | | |
| 9/27/2016 | | 1540 | | | | | | 1120 | 1560 |
| 9/28/2016 | | | | | | | 780 | | |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | 1430 | | 265 | 572 | 1010 | 213 | | | |
| 11/1/2016 | | 1510 | | | | | 800 | | 1580 |
| 11/2/2016 | | | | | | | | 1150 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | 1500 | 1510 | 276 | 608 | 1250 | 219 | | | |
| 1/10/2017 | | | | | | | 832 | | |
| 1/11/2017 | | | | | | | | | 1570 |
| 1/12/2017 | | | | | | | | 866 | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | 1380 | 1460 | | 584 | | | | | |
| 2/14/2017 | | | 246 | | 1180 | 199 | | | |
| 2/15/2017 | | | | | | | 804 | 221 | 1470 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | 1370 | | | 606 | 846 | | | | |
| 4/4/2017 | | 1270 | 257 | | | 209 | 808 | | 1840 |
| 4/6/2017 | | | | | | | | 195 | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | 1660 |
| 5/16/2017 | 1300 | 1420 | 283 | 608 | 880 | | | | |
| 5/17/2017 | | | | | | 213 | 822 | 782 | |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | 1300 | 1380 | 266 | 644 | 872 | | | | |
| 6/13/2017 | | | | | | 217 | 856 | | |
| 6/14/2017 | | | | | | | | 646 | 1960 |
| 9/18/2017 | | | | | | | | | |
| 9/19/2017 | | | 266 | | 848 | 230 | 824 | 664 | |
| 9/20/2017 | 1180 | 1270 | | 592 | | | | | |
| 9/21/2017 | | | | | | | | | 2030 |
| 5/7/2018 | | | 264 | | 742 | | | | |
| 5/8/2018 | | | | | | 224 | 810 | 646 | 2400 |
| 5/9/2018 | | 1040 | | | | | | | |
| 5/10/2018 | 1060 | | | 606 | | | | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | 1180 | | | | | | | 2630 |
| 10/9/2018 | 1220 | | 239 | 536 | 982 | 213 | 776 | 616 | |

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-13D | MR-AP-MW-13S ... | MR-AP-MW-7S | MR-AP-MW-7D | MR-AP-MW-11 | MR-AP-MW-8S | MR-AP-MW-10 | MR-AP-MW-1 | MR-AP-MW-8D |
|------------|--------------|------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 7/19/2016 | | | | | | | | | |
| 7/20/2016 | 307 | 319 | | | | | | | |
| 7/21/2016 | | | 640 | 756 | | | | | |
| 7/25/2016 | | | | | 456 | 686 | 1440 | 1060 | 592 |
| 7/26/2016 | | | | | | | | | |
| 8/2/2016 | | | | | | | | | |
| 8/3/2016 | | | | | | | | | |
| 9/20/2016 | | | | | | | | | |
| 9/21/2016 | | | | | | | | | |
| 9/26/2016 | | | | | | | | 852 | |
| 9/27/2016 | 446 | 306 | 612 | 778 | 1170 | 828 | 1310 | | |
| 9/28/2016 | | | | | | | | | 698 |
| 10/25/2016 | | | | | | | | | |
| 10/31/2016 | | | | | | | 1360 | | |
| 11/1/2016 | 398 | 305 | 626 | 746 | 1160 | 888 | | | 738 |
| 11/2/2016 | | | | | | | | 888 | |
| 12/13/2016 | | | | | | | | | |
| 1/9/2017 | | | | | | | | | |
| 1/10/2017 | | | 610 | 714 | | 1120 | | | 772 |
| 1/11/2017 | 338 | 308 | | | | | 1310 | 920 | |
| 1/12/2017 | | | | | 1180 | | | | |
| 2/6/2017 | | | | | | | | | |
| 2/8/2017 | | | | | | | | | |
| 2/13/2017 | | | | | 1130 | | | 848 | |
| 2/14/2017 | | | 608 | 744 | | 844 | 1270 | | |
| 2/15/2017 | 342 | 305 | | | | | | | 772 |
| 3/28/2017 | | | | | | | | | |
| 3/29/2017 | | | | | | | | | |
| 4/3/2017 | | | | | | | | 1000 | |
| 4/4/2017 | 328 | | 582 | 746 | 1140 | 726 | | | 662 |
| 4/6/2017 | | 315 | | | | | 1320 | | |
| 4/24/2017 | | | | | | | | | |
| 4/26/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | 870 | |
| 5/16/2017 | | | 630 | 772 | 1080 | 698 | | | |
| 5/17/2017 | 336 | 335 | | | | | 1280 | | 664 |
| 6/7/2017 | | | | | | | | | |
| 6/12/2017 | | | | | | | | | |
| 6/13/2017 | 319 | 331 | 636 | 780 | | 710 | 1310 | | 632 |
| 6/14/2017 | | | | | 1220 | | | 910 | |
| 9/18/2017 | | | 618 | 770 | | | | | |
| 9/19/2017 | 315 | 328 | | | 1140 | 698 | | 824 | 700 |
| 9/20/2017 | | | | | | | | | |
| 9/21/2017 | | | | | | | 1350 | | |
| 5/7/2018 | | | | | | | | | |
| 5/8/2018 | 326 | 326 | | | 1070 | | | | |
| 5/9/2018 | | | 542 | 730 | | 496 | | 1020 | 672 |
| 5/10/2018 | | | | | | | 1310 | | |
| 5/15/2018 | | | | | | | | | |
| 10/8/2018 | | | | | | | 1430 | | |
| 10/9/2018 | 283 | 304 | 558 | 764 | 1010 | 716 | | 830 | 694 |

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 12/18/2018 2:27 PM View: PL's - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

| | MR-AP-MW-2 | MR-AP-PZ-5 | MR-AP-MW-6 | MR-AP-MW-5 | GS-AP-MW-13 (bg) | GS-AP-MW-8 (bg) |
|------------|------------|------------|------------|------------|------------------|-----------------|
| 7/19/2016 | | | | | | |
| 7/20/2016 | | | | | | |
| 7/21/2016 | | | | | | |
| 7/25/2016 | 2040 | | | | | |
| 7/26/2016 | | 1040 | 868 | 1630 | | |
| 8/2/2016 | | | | | 221 | |
| 8/3/2016 | | | | | | 113 |
| 9/20/2016 | | | | | 221 | |
| 9/21/2016 | | | | | | 128 |
| 9/26/2016 | | | | | | |
| 9/27/2016 | | | | | | |
| 9/28/2016 | 2420 | 1000 | 884 | 1600 | | |
| 10/25/2016 | | | | | 226 | 121 |
| 10/31/2016 | | | | | | |
| 11/1/2016 | 2180 | | 862 | | | |
| 11/2/2016 | | 920 | | 1640 | | |
| 12/13/2016 | | | | | 211 | 101 |
| 1/9/2017 | | | 918 | | | |
| 1/10/2017 | | | | 1660 | | |
| 1/11/2017 | 2320 | | | | | |
| 1/12/2017 | | 812 | | | | |
| 2/6/2017 | | | | | | 108 |
| 2/8/2017 | | | | | 212 | |
| 2/13/2017 | | 832 | 896 | | | |
| 2/14/2017 | 2380 | | | 1600 | | |
| 2/15/2017 | | | | | | |
| 3/28/2017 | | | | | | 91 |
| 3/29/2017 | | | | | 217 | |
| 4/3/2017 | | 710 | 852 | 1600 | | |
| 4/4/2017 | 2360 | | | | | |
| 4/6/2017 | | | | | | |
| 4/24/2017 | | | | | | 89.3 |
| 4/26/2017 | | | | | 202 | |
| 5/15/2017 | | | | | | |
| 5/16/2017 | 2400 | | 924 | | | |
| 5/17/2017 | | 718 | | 1630 | | |
| 6/7/2017 | | | | | 218 | 84 |
| 6/12/2017 | | 724 | 928 | 1770 | | |
| 6/13/2017 | | | | | | |
| 6/14/2017 | 2520 | | | | | |
| 9/18/2017 | | 616 | 908 | 1530 | | |
| 9/19/2017 | | | | | | |
| 9/20/2017 | 2500 | | | | | |
| 9/21/2017 | | | | | | |
| 5/7/2018 | | | | | | |
| 5/8/2018 | | | | | | |
| 5/9/2018 | 2040 | 486 | 908 | 1430 | | |
| 5/10/2018 | | | | | | |
| 5/15/2018 | | | | | 209 | 94.7 |
| 10/8/2018 | | 464 | 882 | 1300 | | |
| 10/9/2018 | 2460 | | | | | |

Trend Test Summary Table - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/20/2018, 7:35 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|-----------------|------------------|---------|-------|----------|------|----|-------|-----------|-------|-------|--------|
| Boron (mg/L) | MR-AP-MW-9D | 0.05101 | 40 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-9S (bg) | 0.07446 | 40 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-12 | 1.798 | 39 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-4 | -65.48 | -49 | -34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-6 | 6.81 | 42 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-3S | 5.239 | 37 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-6 | 4.469 | 48 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-7D | 3.129 | 41 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-7S | 2.665 | 41 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-3D | 0.07856 | 48 | 38 | Yes | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-3S | 0.06541 | 42 | 38 | Yes | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-9S (bg) | 0.05036 | 44 | 38 | Yes | 12 | 8.333 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-PZ-5 | 0.2492 | 53 | 43 | Yes | 13 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | MR-AP-MW-12 | 290 | 40 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | MR-AP-MW-12 | 521.4 | 37 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |

Trend Test Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/20/2018, 7:35 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|------------------------|-------------------------|----------------|------------|------------|------------|-----------|--------------|------------|------------|-------------|-----------|
| Boron (mg/L) | MR-AP-MW-3D | -0.05929 | -32 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-4 | -0.03954 | -21 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-5 | -0.004261 | -6 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-6 | 0.03178 | 27 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-7D | 0.009241 | 7 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-7S | 0.01834 | 14 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-8D | 0.102 | 24 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-8S | 0.05637 | 7 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-9D | 0.05101 | 40 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-9S (bg) | 0.07446 | 40 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-10 | -0.1838 | -14 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-12 | 1.798 | 39 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-13S (bg) | 0.01269 | 32 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | MR-AP-MW-16 | -0.004495 | -2 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | GS-AP-MW-8 (bg) | 0 | -4 | -25 | No | 9 | 22.22 | n/a | n/a | 0.01 | NP |
| Boron (mg/L) | GS-AP-MW-13 (bg) | 0 | -14 | -25 | No | 9 | 22.22 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-1 | -17.51 | -18 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-2 | 21.74 | 34 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-3D | -39.66 | -32 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-4 | -65.48 | -49 | -34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-5 | -25.74 | -25 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-6 | 6.81 | 42 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-9S (bg) | -17.23 | -22 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-10 | 6.404 | 22 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-11 | -3.411 | -11 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-12 | 3.571 | 16 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-13S (bg) | 0.8166 | 31 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | MR-AP-MW-16 | -31.11 | -23 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | GS-AP-MW-8 (bg) | -4.28 | -20 | -25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| Calcium (mg/L) | GS-AP-MW-13 (bg) | -0.9118 | -4 | -25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-3D | -4.716 | -10 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-3S | 5.239 | 37 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-4 | -0.997 | -2 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-5 | 3.303 | 18 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-6 | 4.469 | 48 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-7D | 3.129 | 41 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-7S | 2.665 | 41 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-9D | 2.601 | 25 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-9S (bg) | -1.868 | -21 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-13D | 1.033 | 22 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-13S (bg) | 1.582 | 28 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-15 | 1.782 | 34 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-MW-16 | -5.126 | -25 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | MR-AP-PZ-5 | 2.181 | 18 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | GS-AP-MW-8 (bg) | 0.3283 | 18 | 25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| Chloride (mg/L) | GS-AP-MW-13 (bg) | 0.2069 | 13 | 25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-3D | 0.07856 | 48 | 38 | Yes | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-3S | 0.06541 | 42 | 38 | Yes | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-4 | 0.04089 | 37 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-5 | 0.08511 | 35 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-8D | 0.07545 | 37 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-8S | 0.1345 | 35 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-9S (bg) | 0.05036 | 44 | 38 | Yes | 12 | 8.333 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-10 | 0.08364 | 26 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-12 | 0.08456 | 25 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-MW-13S (bg) | 0.01897 | 20 | 38 | No | 12 | 8.333 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | MR-AP-PZ-5 | 0.2019 | 33 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | GS-AP-MW-8 (bg) | 0 | -1 | -30 | No | 10 | 0 | n/a | n/a | 0.01 | NP |
| Fluoride (mg/L) | GS-AP-MW-13 (bg) | 0.02829 | 19 | 30 | No | 10 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-1 | 0.2473 | 23 | 43 | No | 13 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-3S | 0.2493 | 33 | 43 | No | 13 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-5 | 0.0519 | 22 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-6 | 0.03626 | 29 | 43 | No | 13 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-8S | 0.05306 | 26 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-9S (bg) | 0.2338 | 31 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-10 | 0.0188 | 8 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-11 | -0.06394 | -10 | -43 | No | 13 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | MR-AP-MW-13S (bg) | 0.01477 | 9 | 38 | No | 12 | 0 | n/a | n/a | 0.01 | NP |

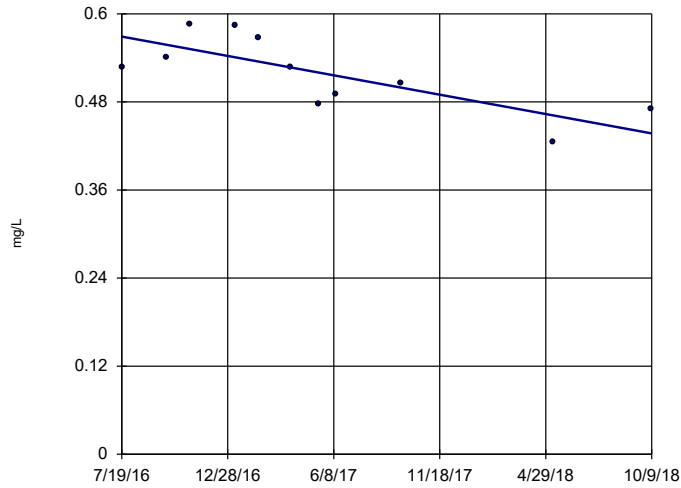
Trend Test Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 12/20/2018, 7:35 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|-----------------------|--------------------|---------------|-----------|-----------|------------|-----------|----------|------------|------------|-------------|-----------|
| pH (pH) | MR-AP-PZ-5 | 0.2492 | 53 | 43 | Yes | 13 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | GS-AP-MW-8 (bg) | -0.1159 | -18 | -30 | No | 10 | 0 | n/a | n/a | 0.01 | NP |
| pH (pH) | GS-AP-MW-13 (bg) | -0.03219 | -15 | -30 | No | 10 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | MR-AP-MW-2 | 0 | -3 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | MR-AP-MW-9S (bg) | -203.9 | -30 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | MR-AP-MW-12 | 290 | 40 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | MR-AP-MW-13S (bg) | 0 | 4 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | GS-AP-MW-8 (bg) | -1.035 | -23 | -25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| Sulfate (mg/L) | GS-AP-MW-13 (bg) | -0.201 | -8 | -25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | MR-AP-MW-2 | 175.9 | 20 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | MR-AP-MW-9S (bg) | -294.9 | -30 | -34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | MR-AP-MW-12 | 521.4 | 37 | 34 | Yes | 11 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | MR-AP-MW-13S (bg) | 7.711 | 6 | 34 | No | 11 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | GS-AP-MW-8 (bg) | -34.56 | -24 | -25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |
| TDS (mg/L) | GS-AP-MW-13 (bg) | -7.182 | -15 | -25 | No | 9 | 0 | n/a | n/a | 0.01 | NP |

Sen's Slope Estimator

MR-AP-MW-3D

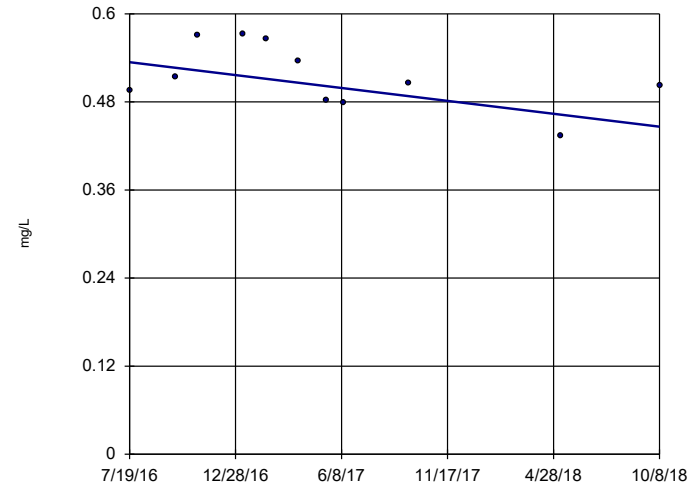


n = 11
 Slope = -0.05929
 units per year.
 Mann-Kendall
 statistic = -32
 critical = -34
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-4

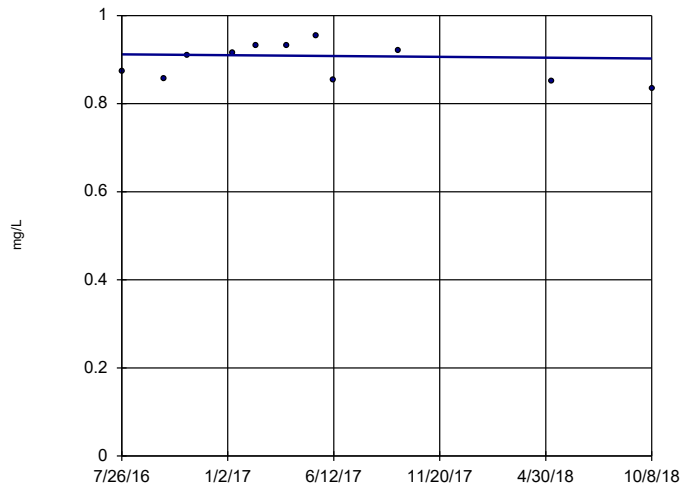


n = 11
 Slope = -0.03954
 units per year.
 Mann-Kendall
 statistic = -21
 critical = -34
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-5

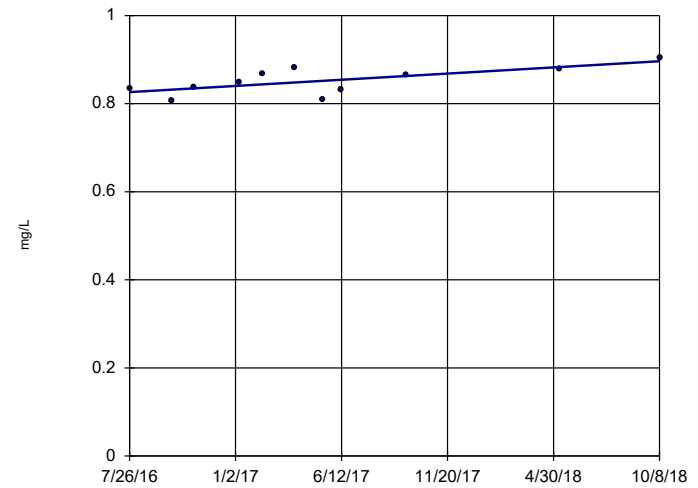


n = 11
 Slope = -0.004261
 units per year.
 Mann-Kendall
 statistic = -6
 critical = -34
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-6

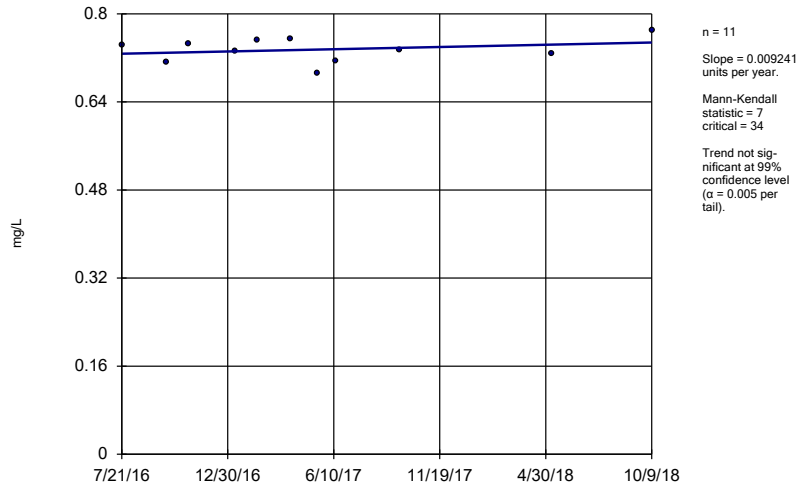


n = 11
 Slope = 0.03178
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 34
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

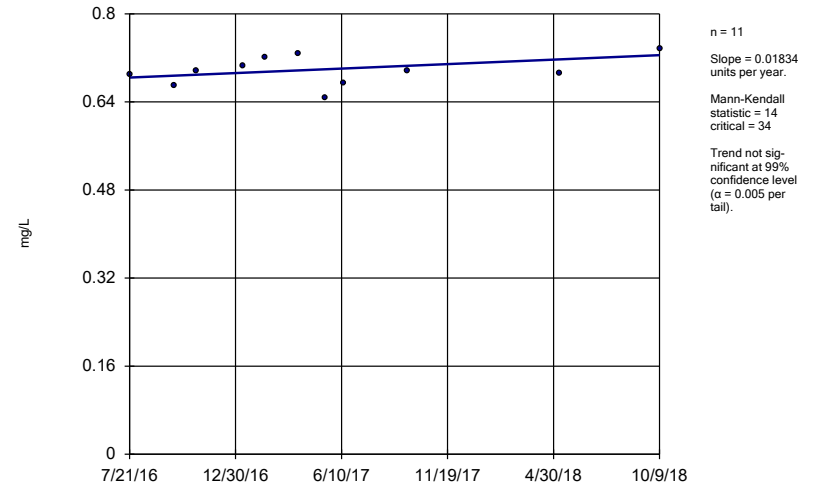
MR-AP-MW-7D



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

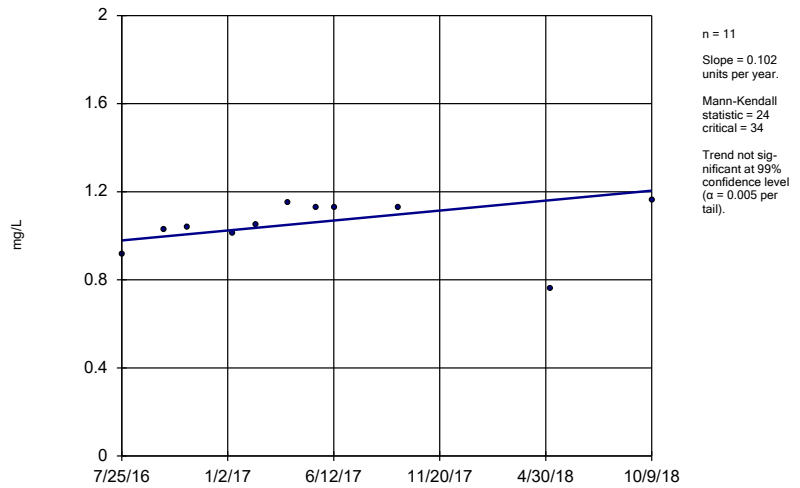
MR-AP-MW-7S



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

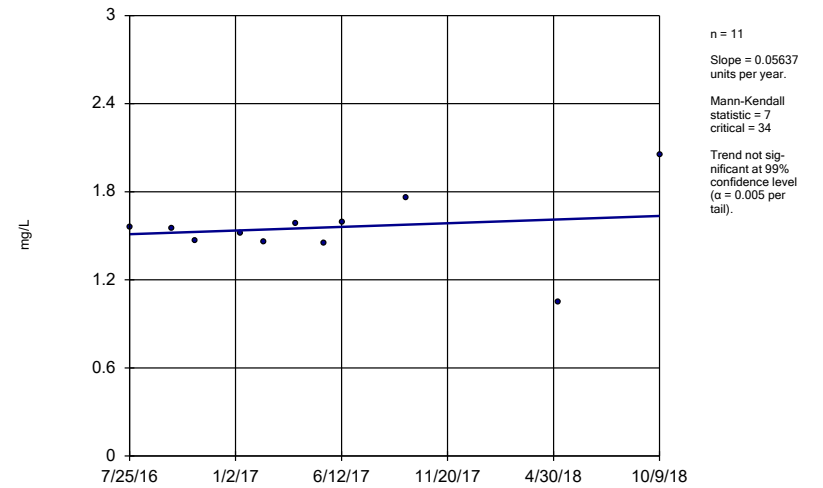
MR-AP-MW-8D



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

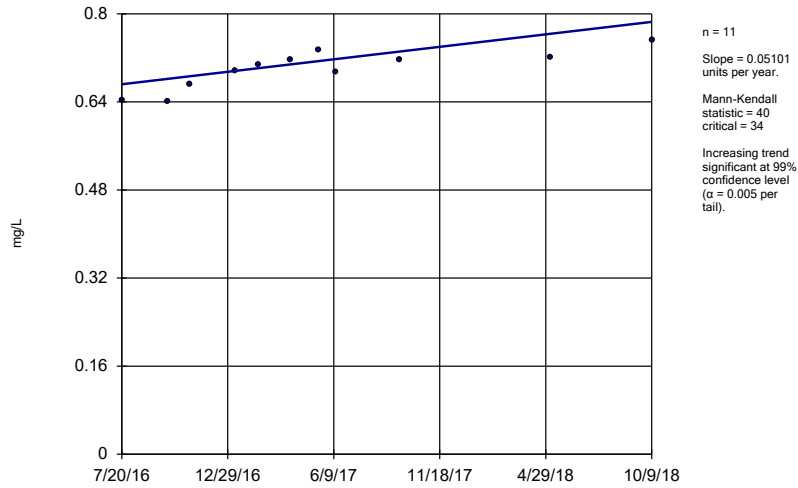
MR-AP-MW-8S



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

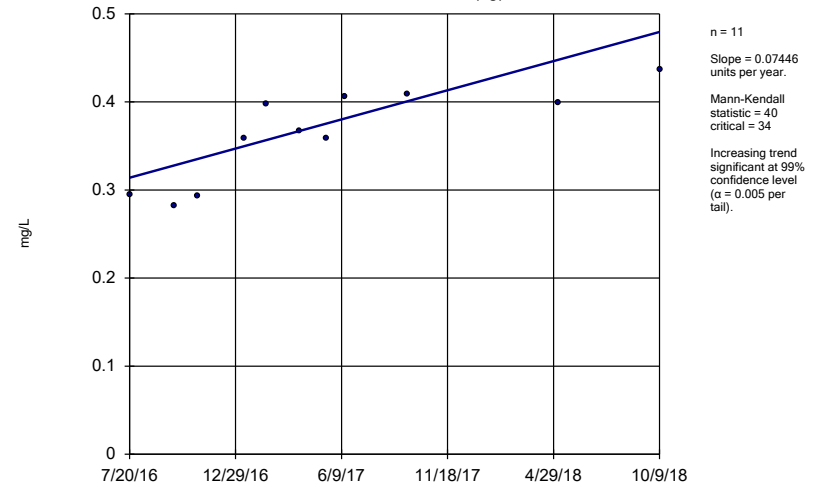
MR-AP-MW-9D



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

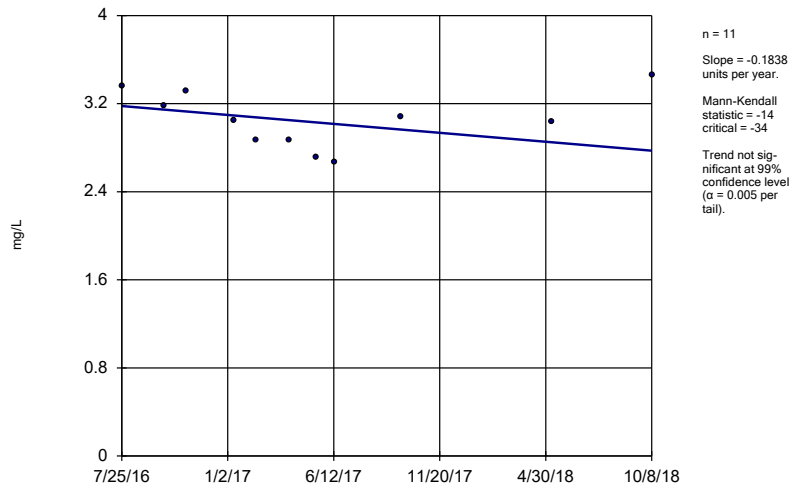
MR-AP-MW-9S (bg)



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

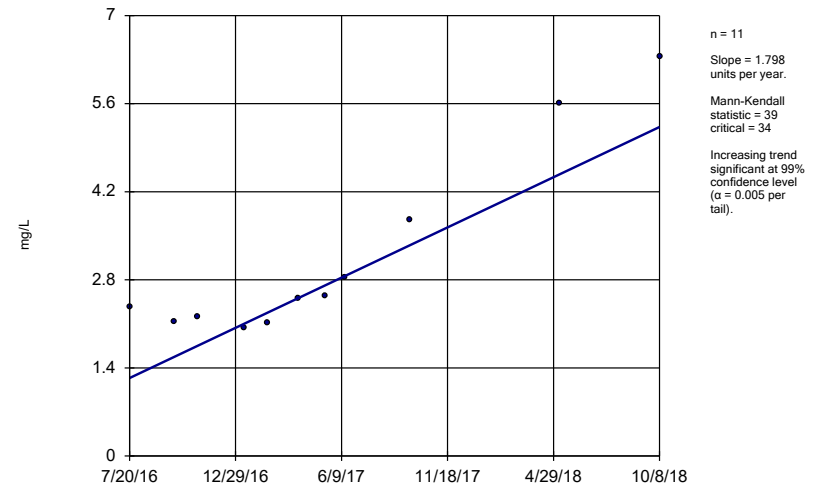
MR-AP-MW-10



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

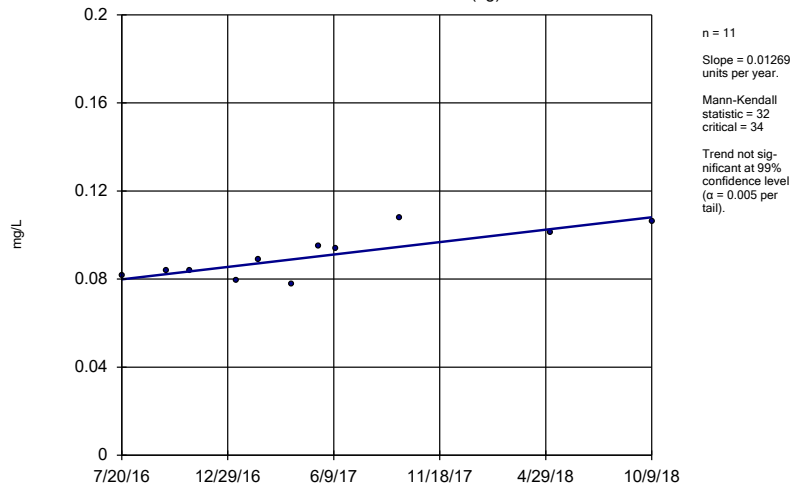
Sen's Slope Estimator

MR-AP-MW-12



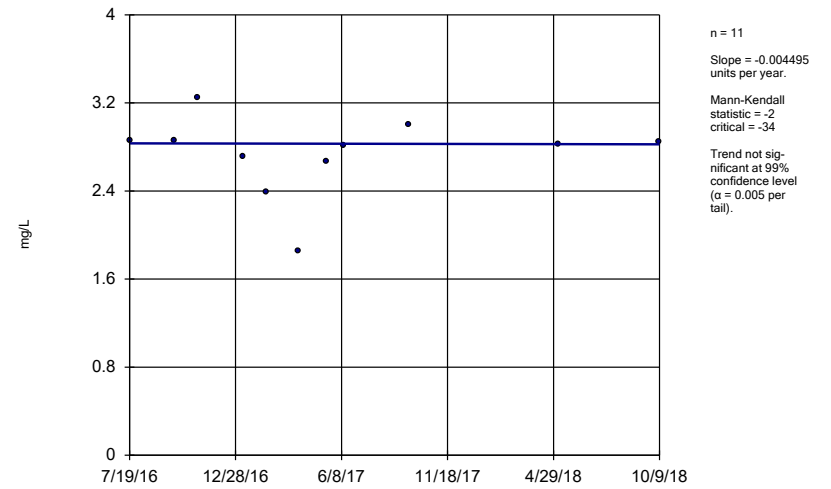
Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-13S (bg)



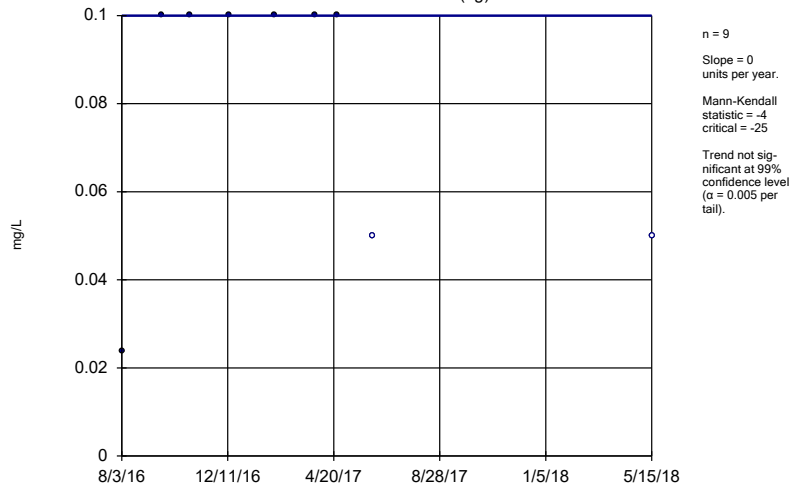
Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-16



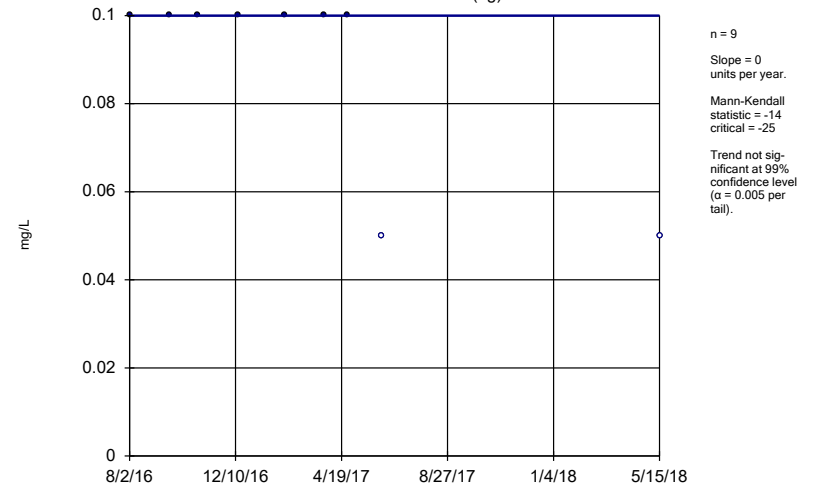
Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
GS-AP-MW-8 (bg)



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

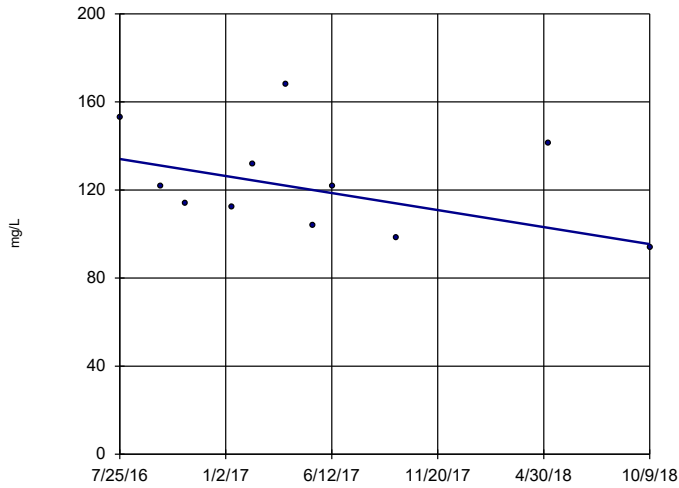
Sen's Slope Estimator
GS-AP-MW-13 (bg)



Constituent: Boron Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-1

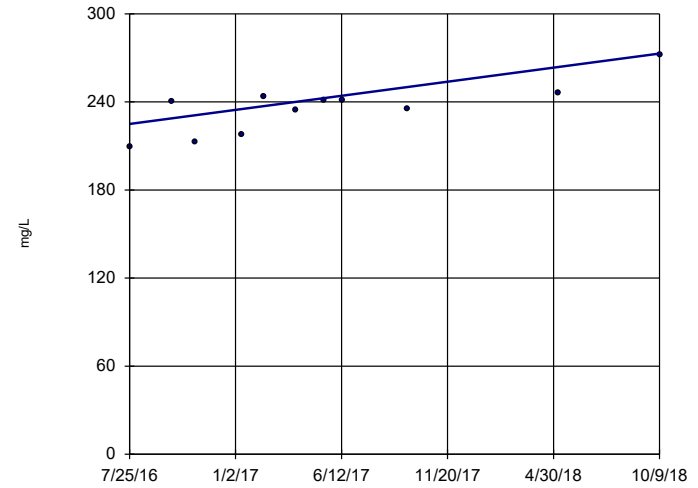


n = 11
Slope = -17.51 units per year.
Mann-Kendall statistic = -18
critical = -34
Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-2

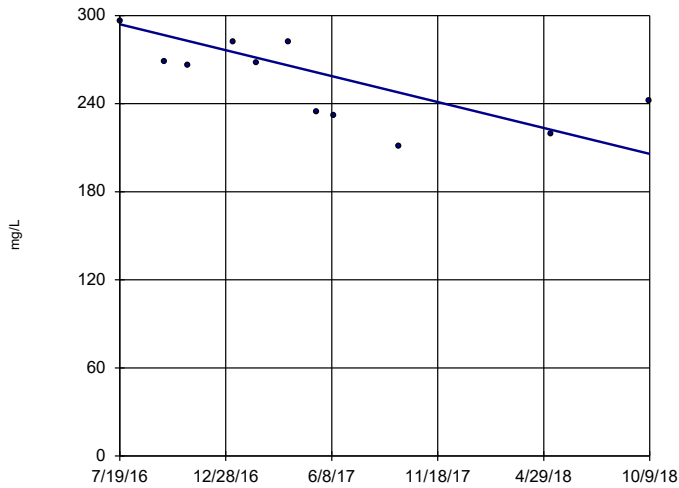


n = 11
Slope = 21.74 units per year.
Mann-Kendall statistic = 34
critical = 34
Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-3D

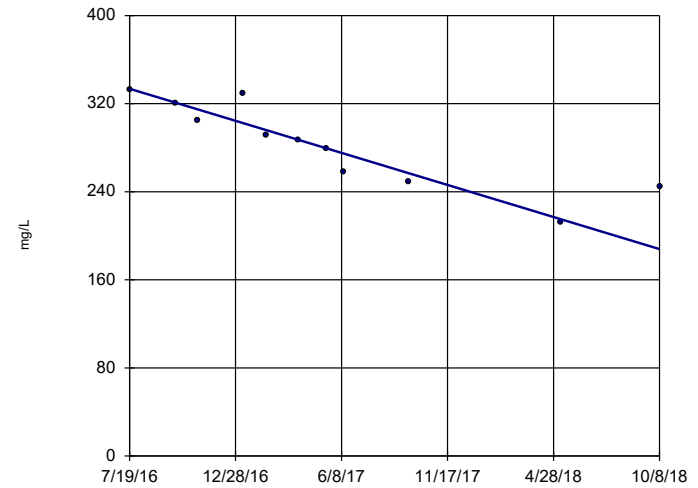


n = 11
Slope = -39.66 units per year.
Mann-Kendall statistic = -32
critical = -34
Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-4

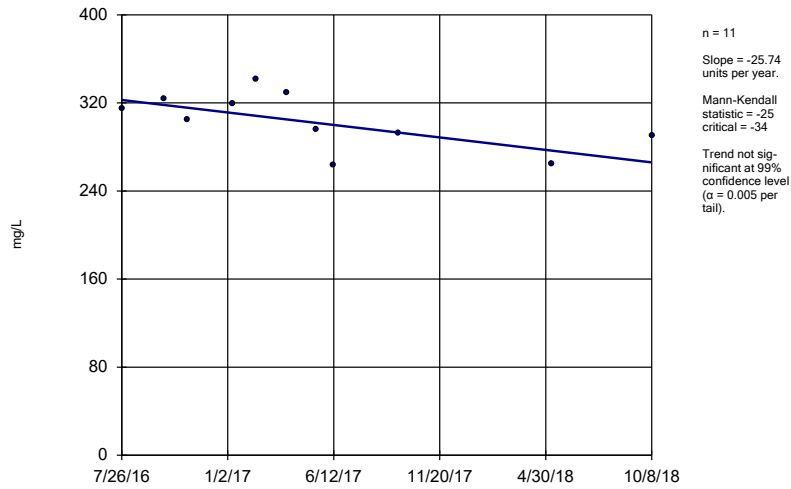


n = 11
Slope = -65.48 units per year.
Mann-Kendall statistic = -49
critical = -34
Decreasing trend significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

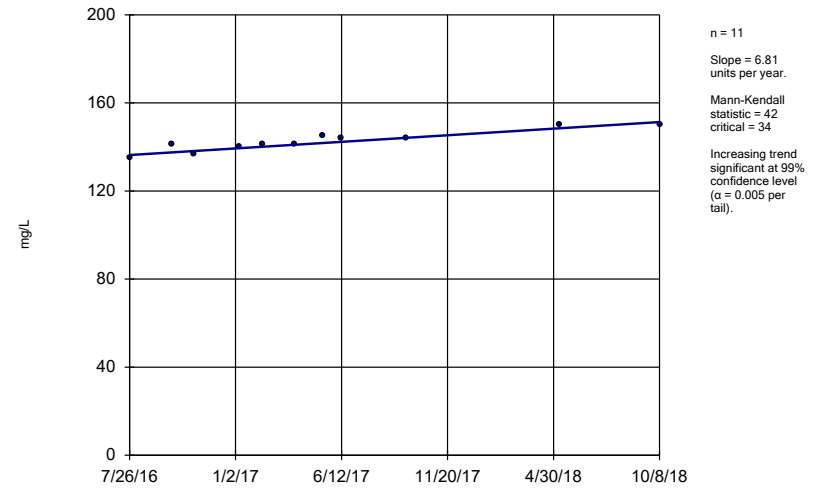
MR-AP-MW-5



Constituent: Calcium Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

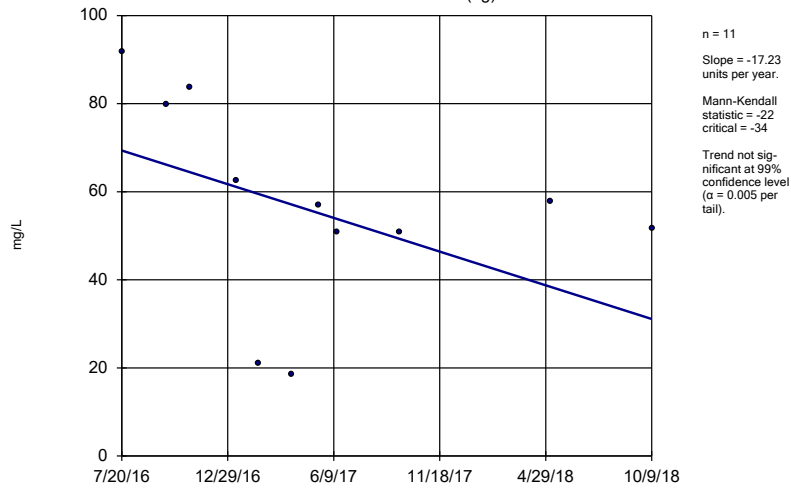
MR-AP-MW-6



Constituent: Calcium Analysis Run 12/20/2018 7:30 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

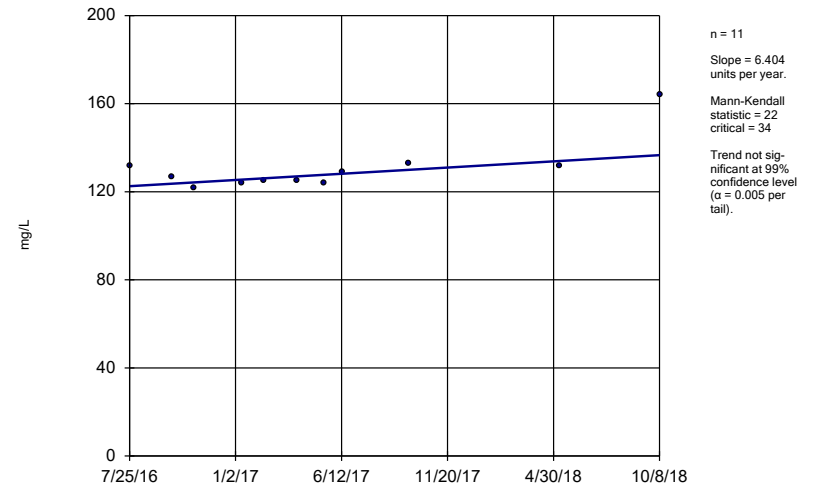
MR-AP-MW-9S (bg)



Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

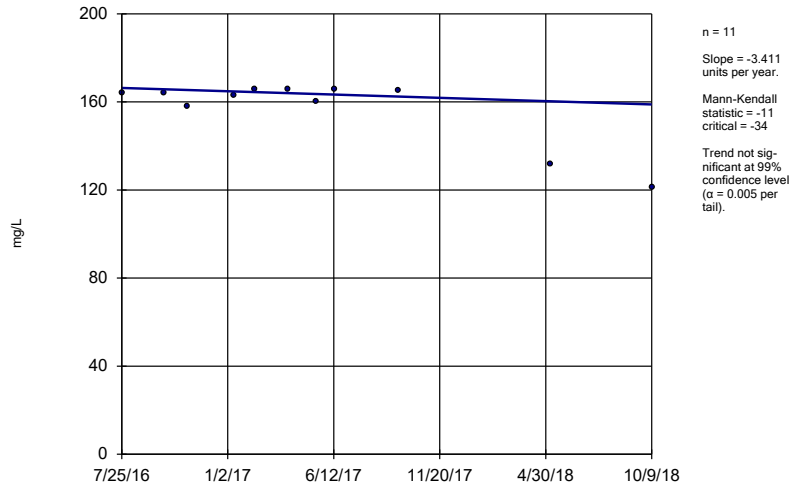
MR-AP-MW-10



Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

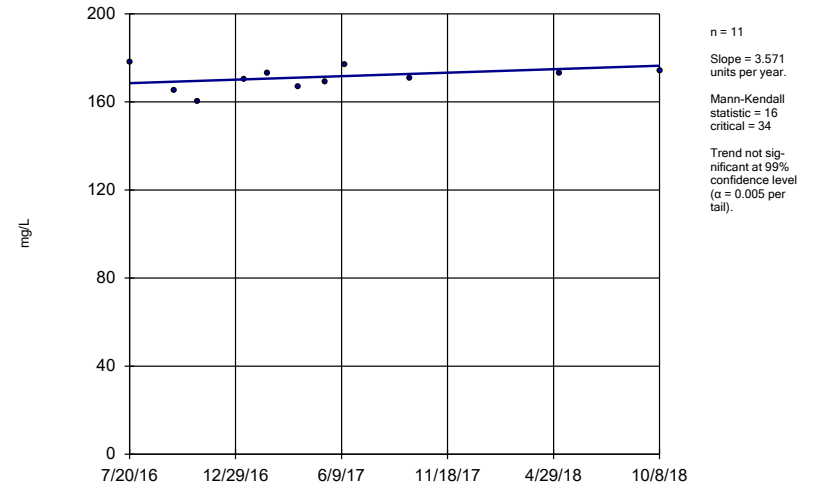
MR-AP-MW-11



Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

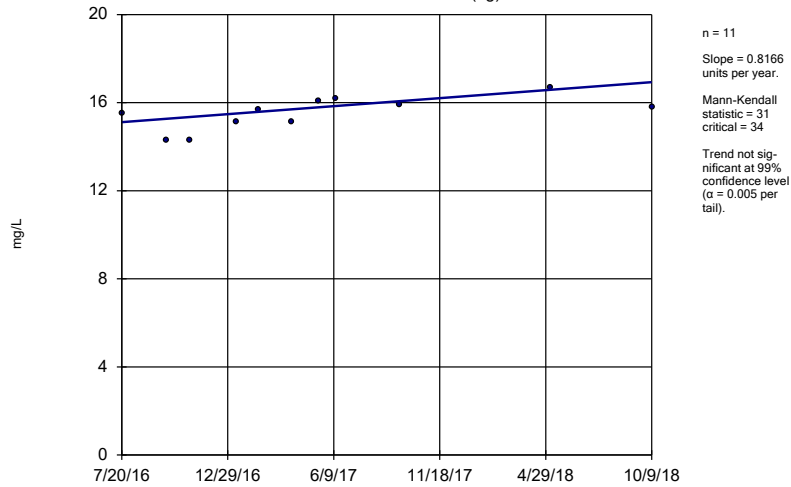
MR-AP-MW-12



Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

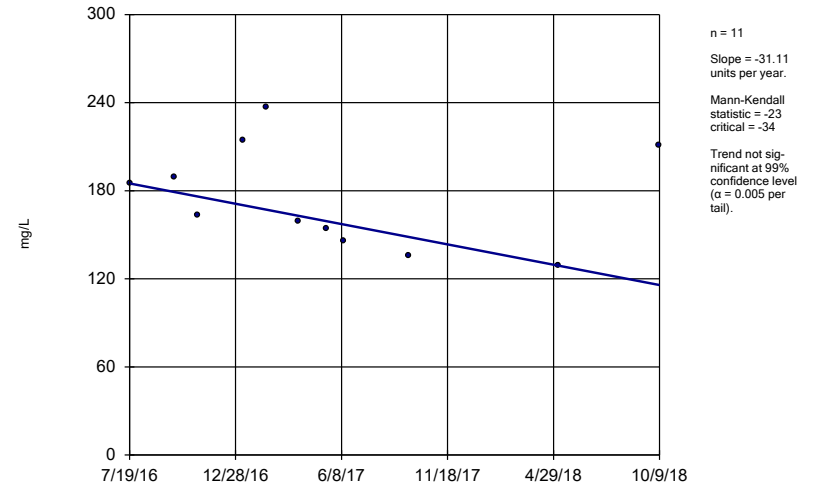
MR-AP-MW-13S (bg)



Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

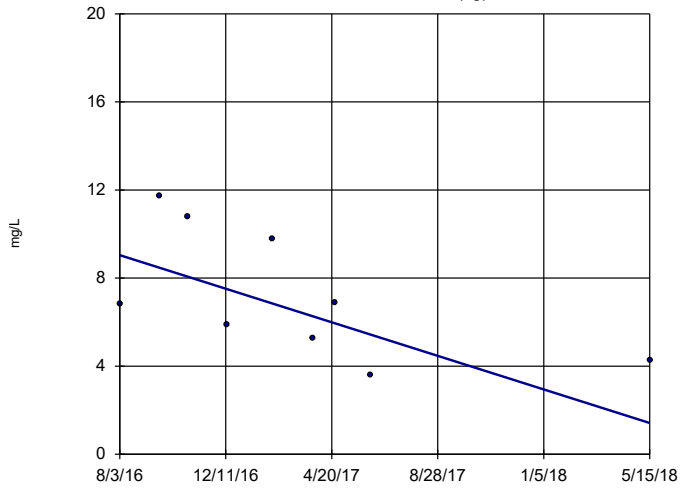
MR-AP-MW-16



Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

GS-AP-MW-8 (bg)

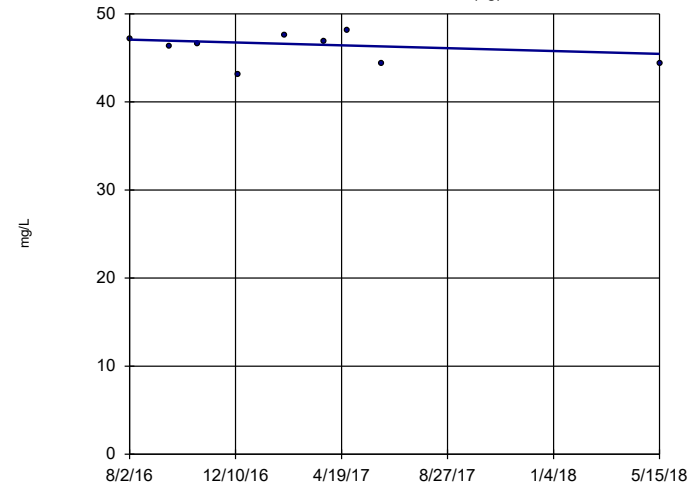


n = 9
 Slope = -4.28
 units per year.
 Mann-Kendall
 statistic = -20
 critical = -25
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

GS-AP-MW-13 (bg)

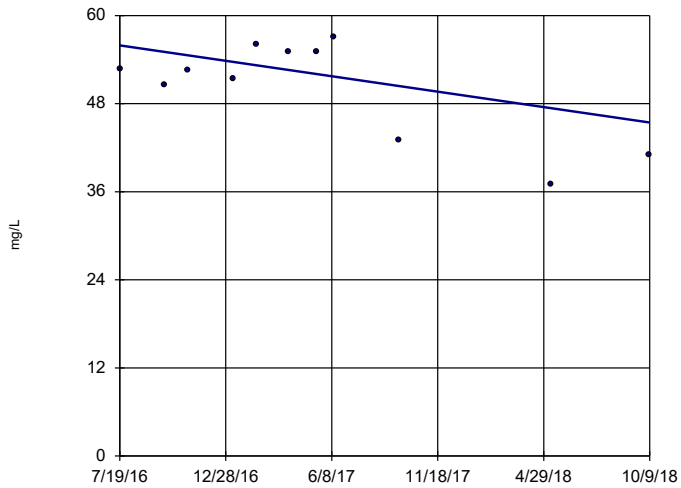


n = 9
 Slope = -0.9118
 units per year.
 Mann-Kendall
 statistic = -4
 critical = -25
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 12/20/2018 7:31 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-3D

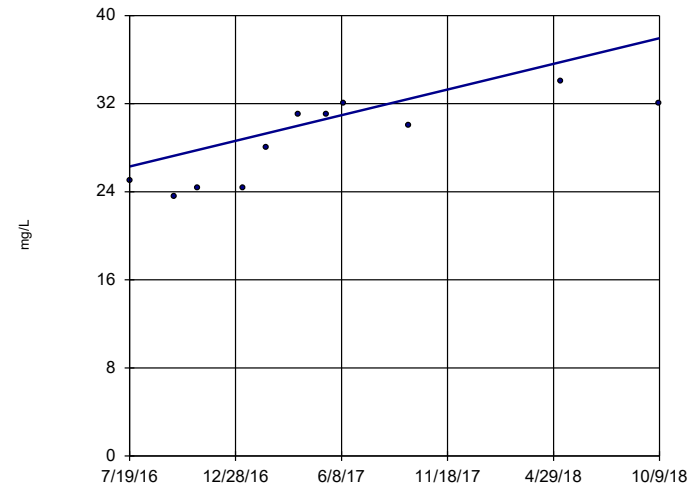


n = 11
 Slope = -4.716
 units per year.
 Mann-Kendall
 statistic = -10
 critical = -34
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-3S

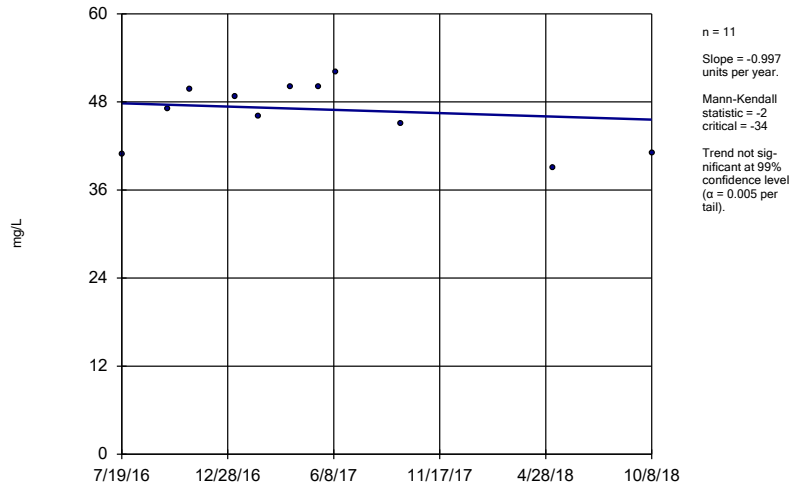


n = 11
 Slope = 5.239
 units per year.
 Mann-Kendall
 statistic = 37
 critical = 34
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

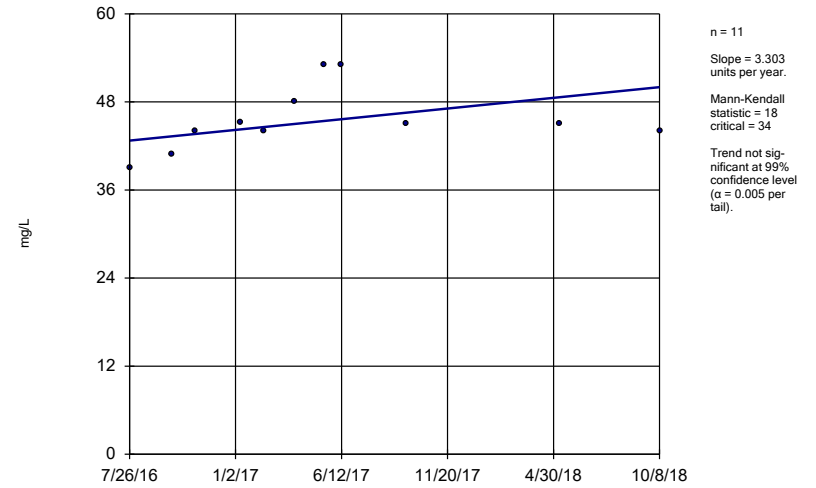
MR-AP-MW-4



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

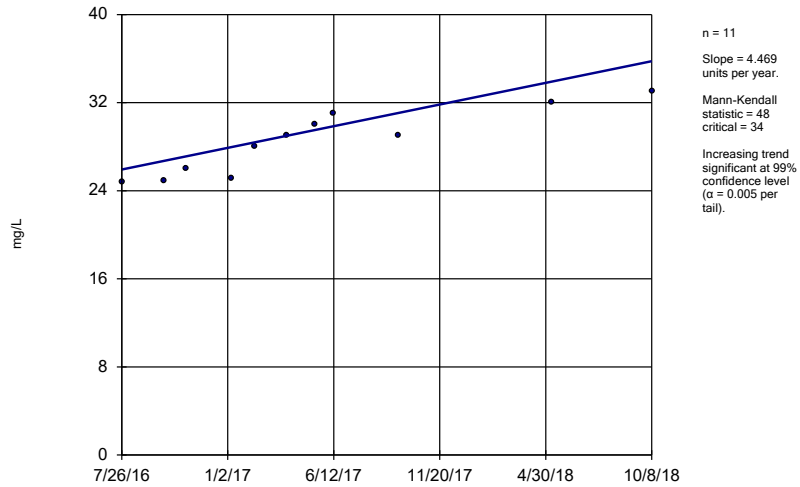
MR-AP-MW-5



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

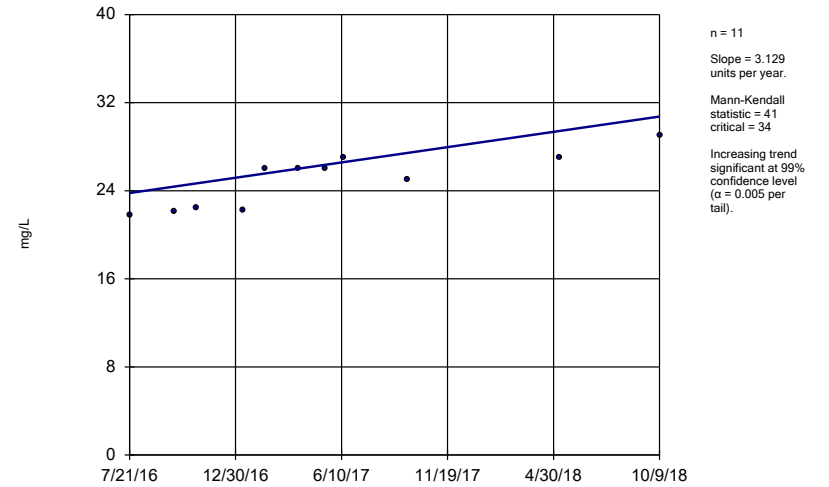
MR-AP-MW-6



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

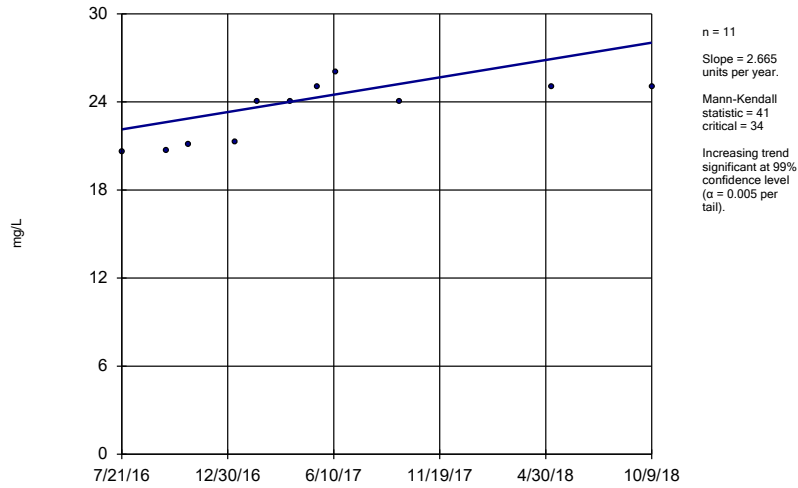
Sen's Slope Estimator

MR-AP-MW-7D



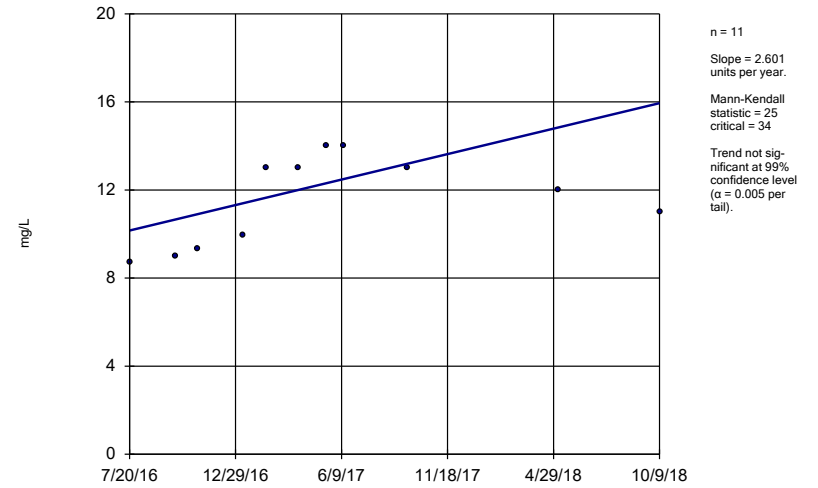
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-7S



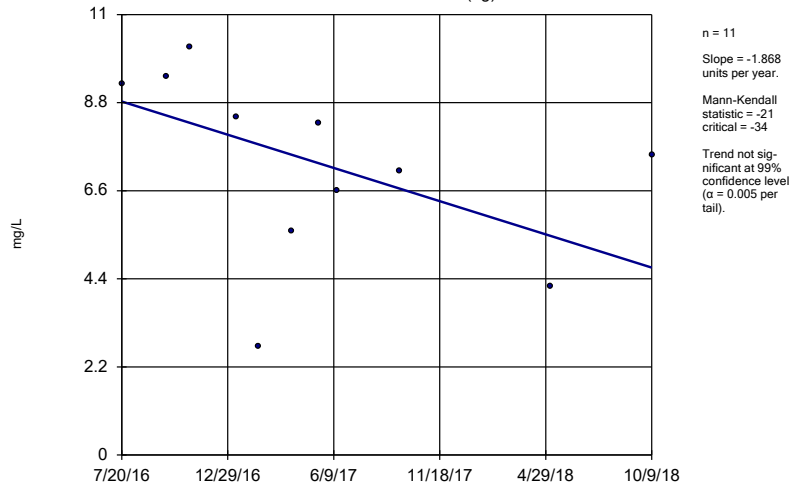
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-9D



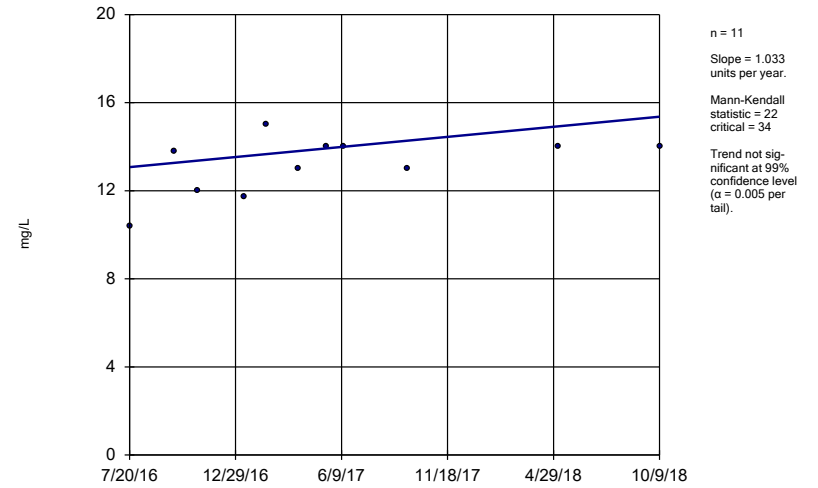
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-9S (bg)



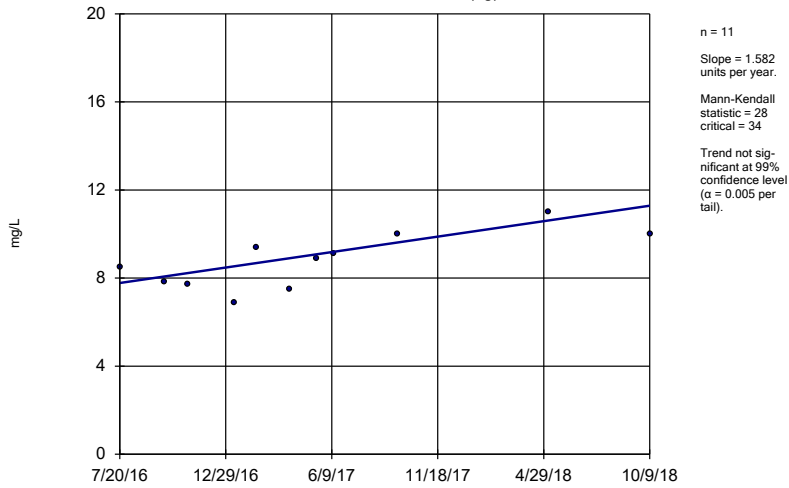
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-13D



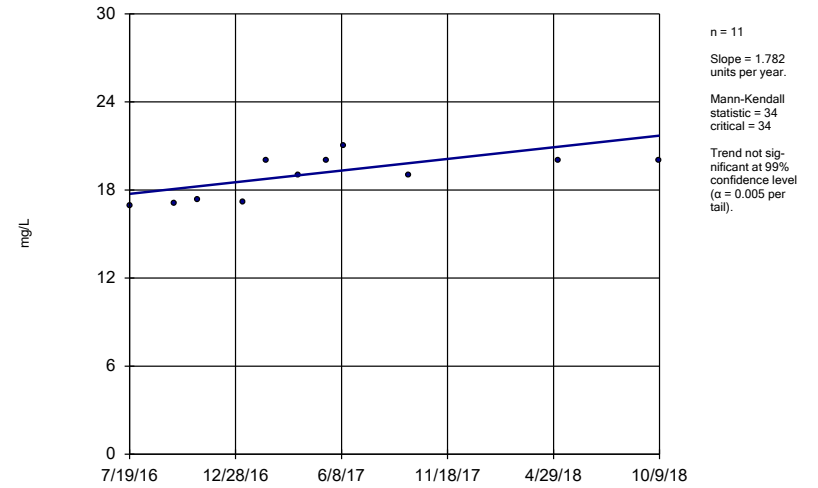
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-13S (bg)



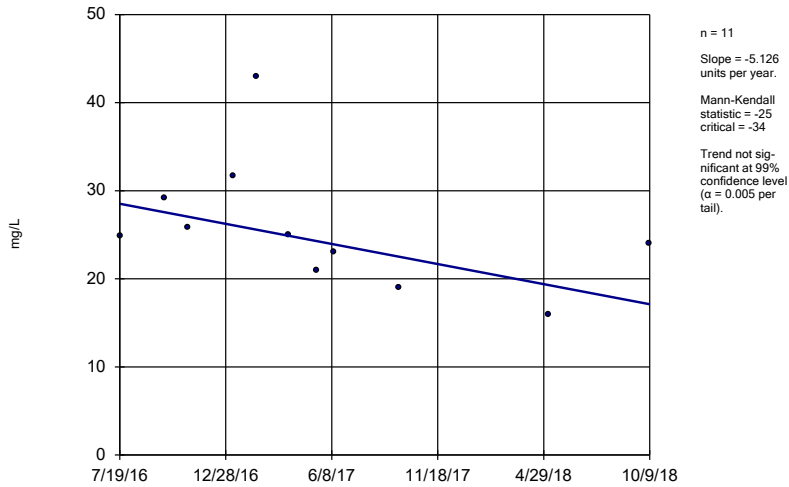
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-15



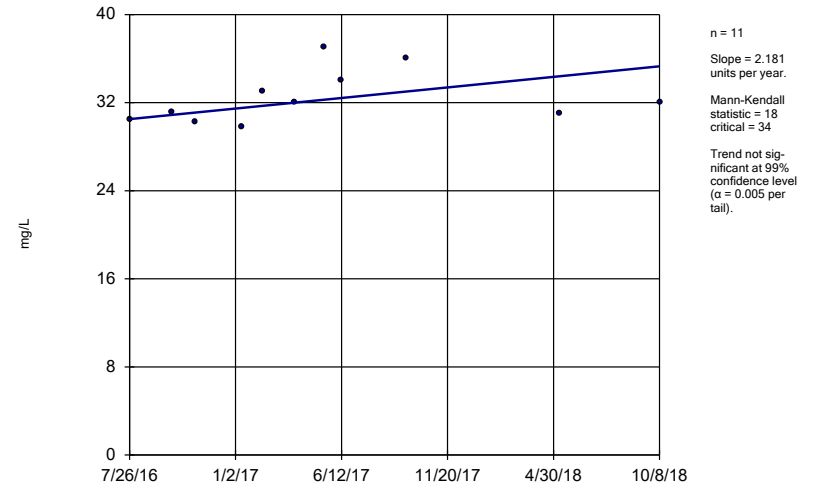
Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-16



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

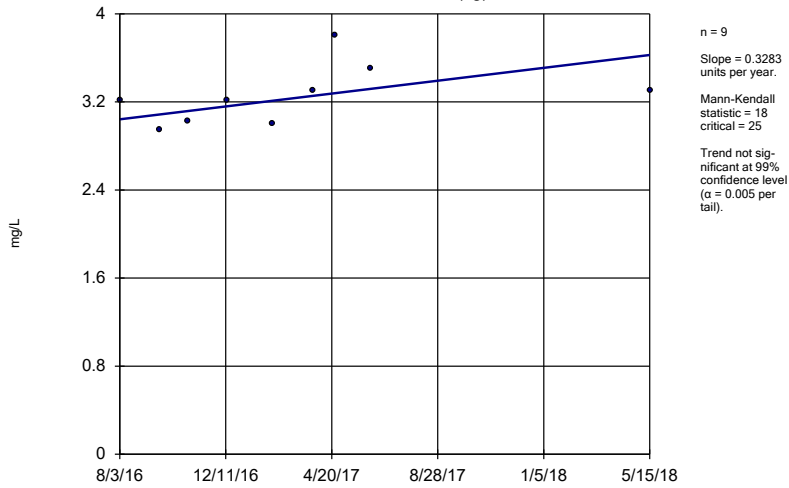
Sen's Slope Estimator MR-AP-PZ-5



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

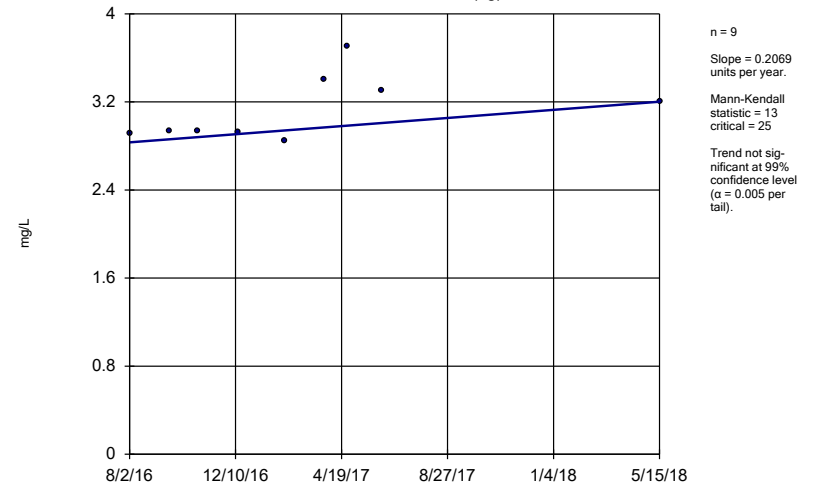
GS-AP-MW-8 (bg)



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

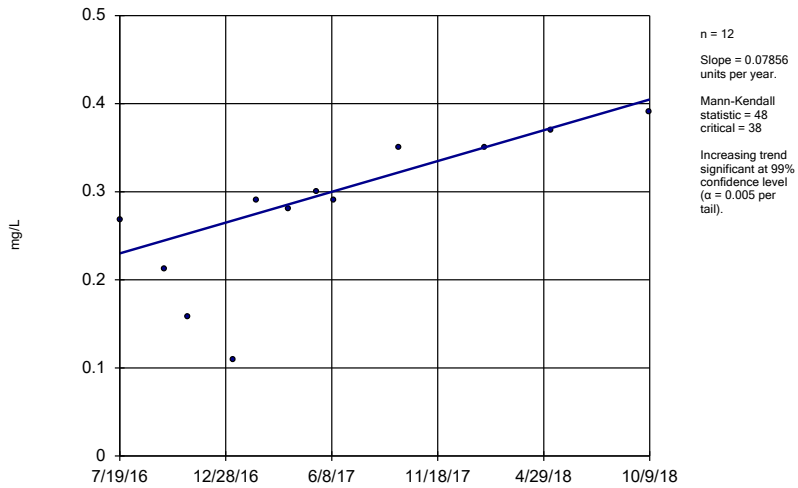
GS-AP-MW-13 (bg)



Constituent: Chloride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

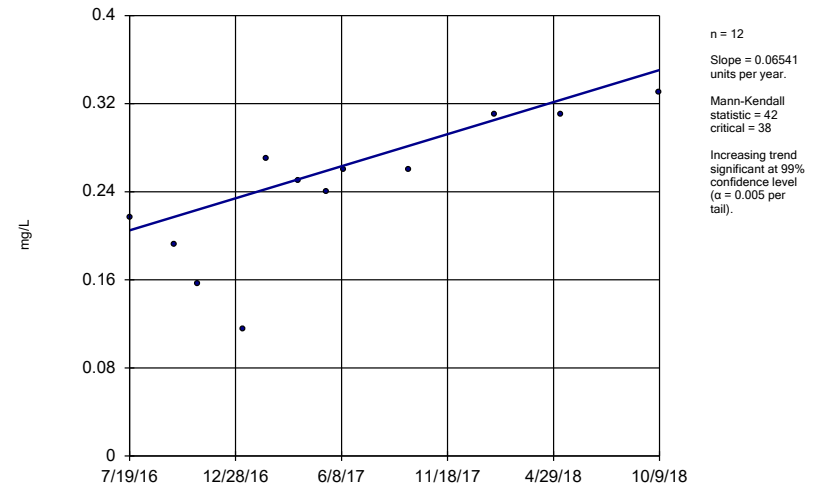
MR-AP-MW-3D



Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

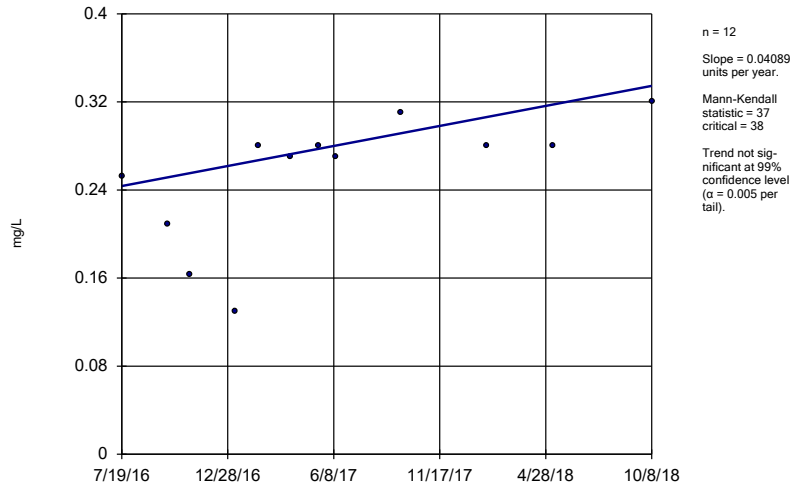
MR-AP-MW-3S



Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

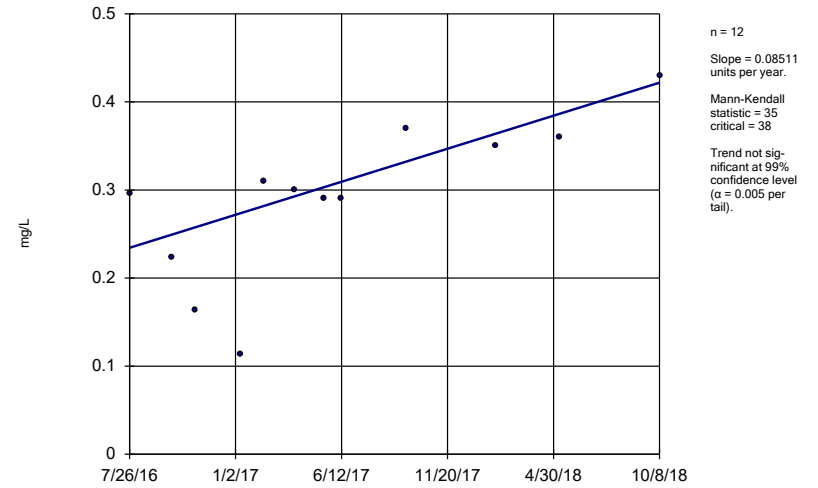
MR-AP-MW-4



Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

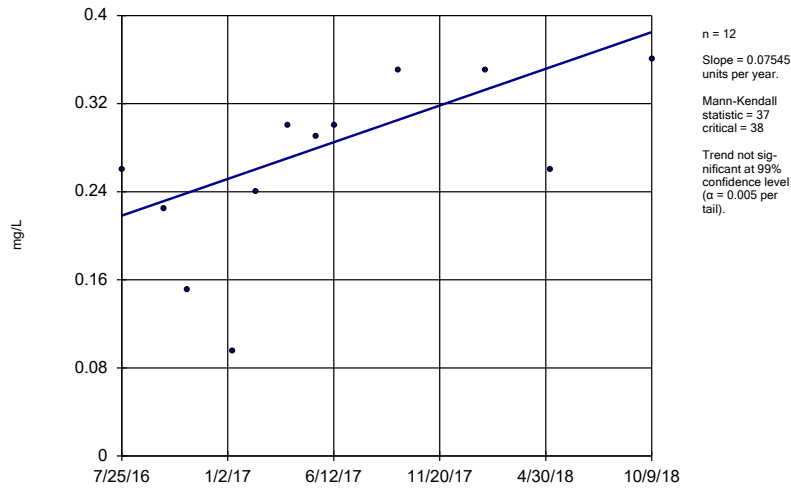
MR-AP-MW-5



Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

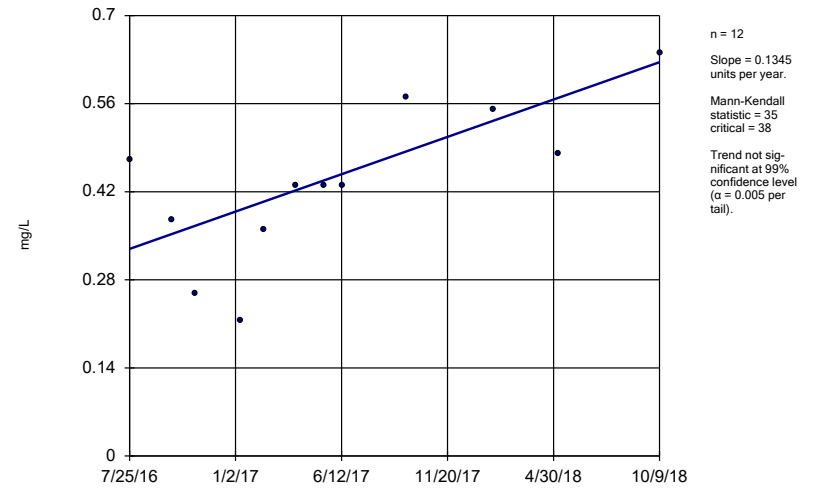
MR-AP-MW-8D



Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

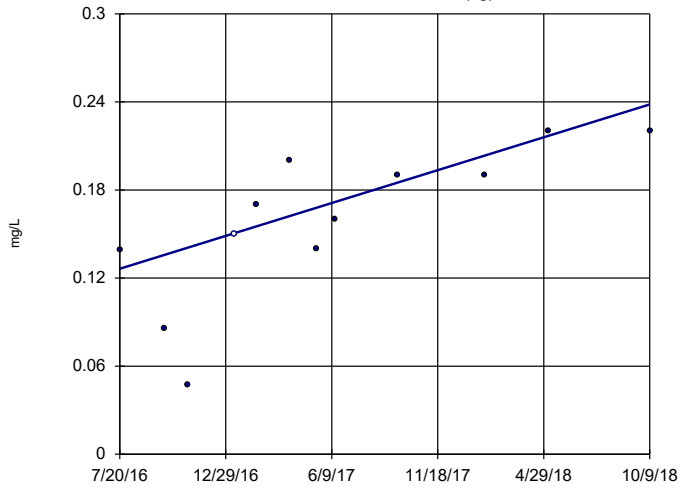
MR-AP-MW-8S



Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-9S (bg)

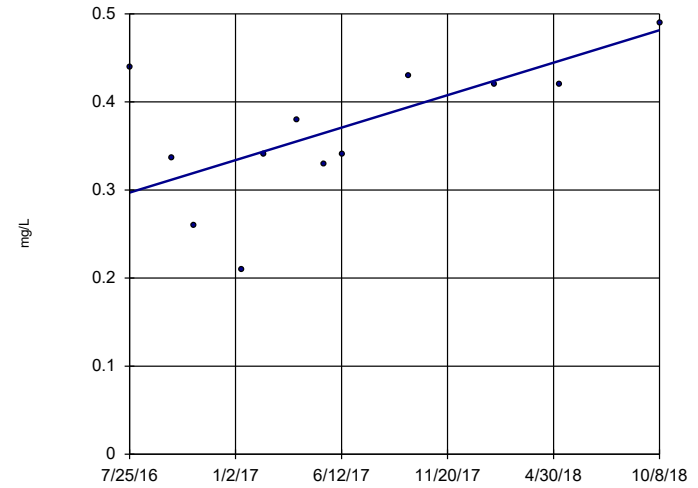


n = 12
Slope = 0.05036
units per year.
Mann-Kendall
statistic = 44
critical = 38
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-10

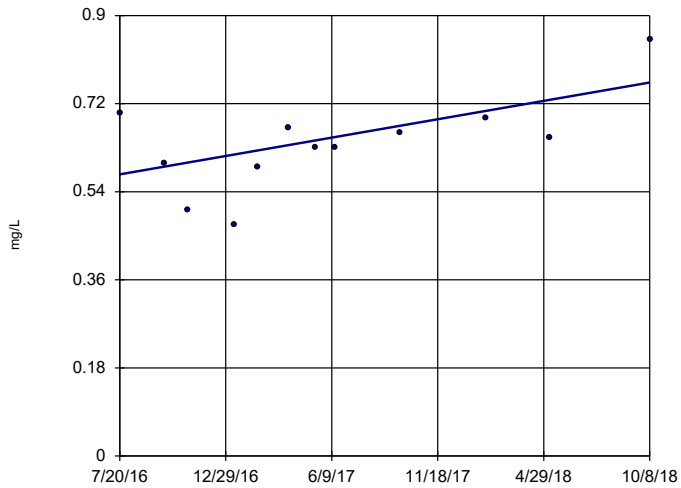


n = 12
Slope = 0.08364
units per year.
Mann-Kendall
statistic = 26
critical = 38
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 12/20/2018 7:31 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

MR-AP-MW-12

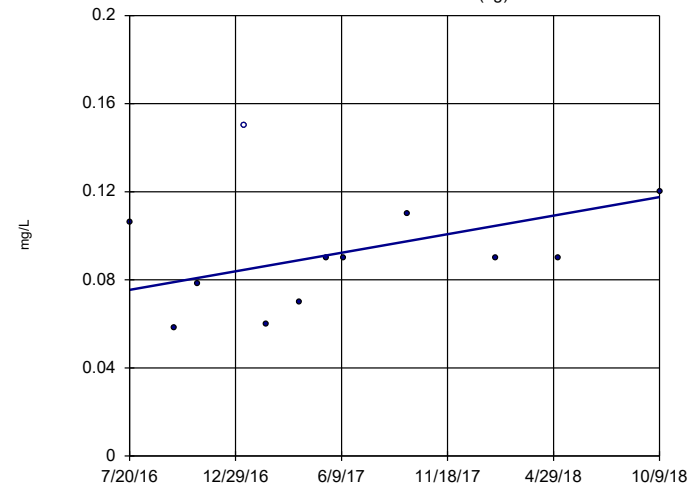


n = 12
Slope = 0.08456
units per year.
Mann-Kendall
statistic = 25
critical = 38
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

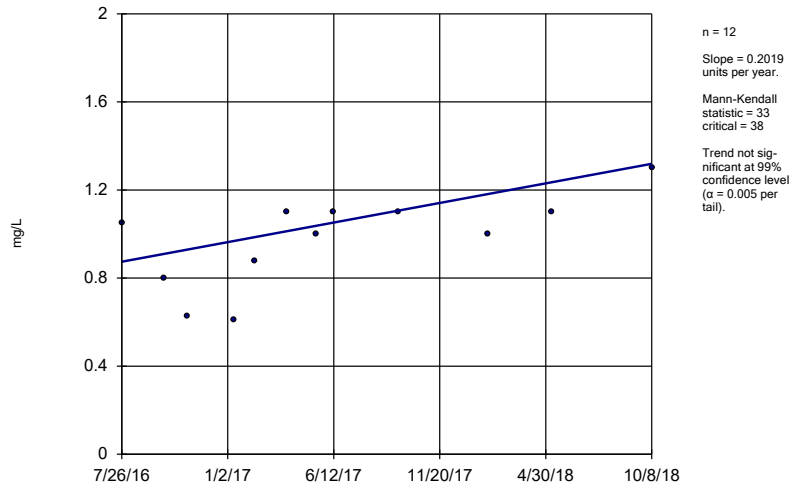
MR-AP-MW-13S (bg)



n = 12
Slope = 0.01897
units per year.
Mann-Kendall
statistic = 20
critical = 38
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

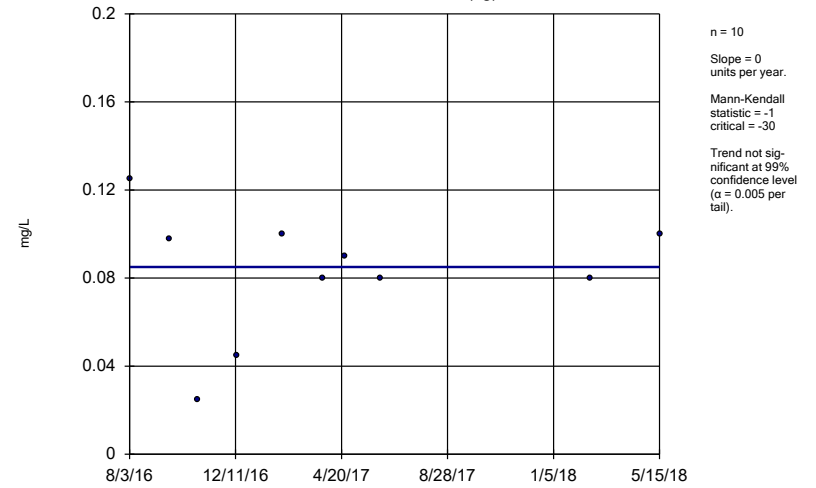
Constituent: Fluoride Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-PZ-5



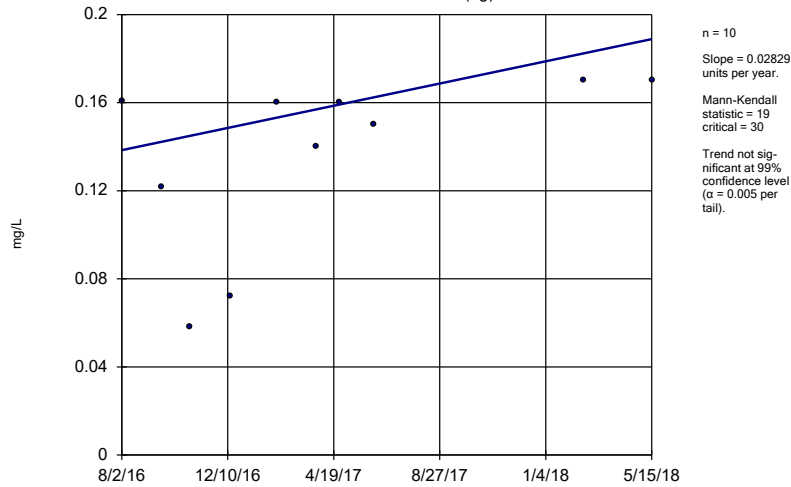
Constituent: Fluoride Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator GS-AP-MW-8 (bg)



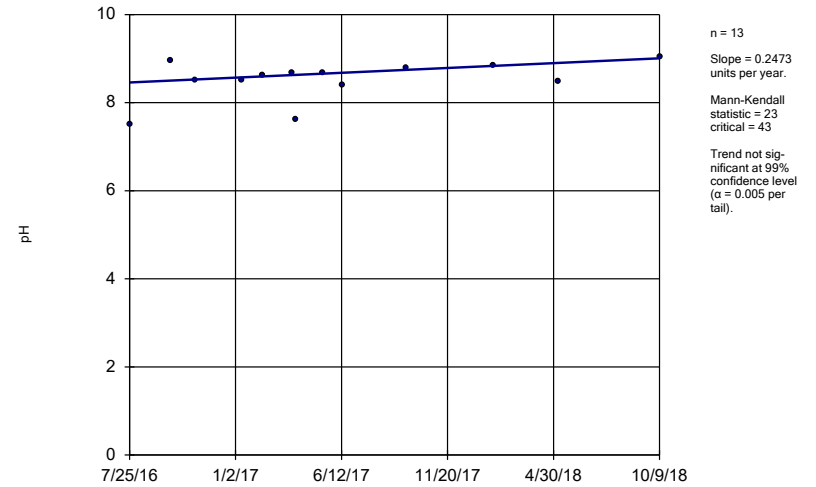
Constituent: Fluoride Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator GS-AP-MW-13 (bg)



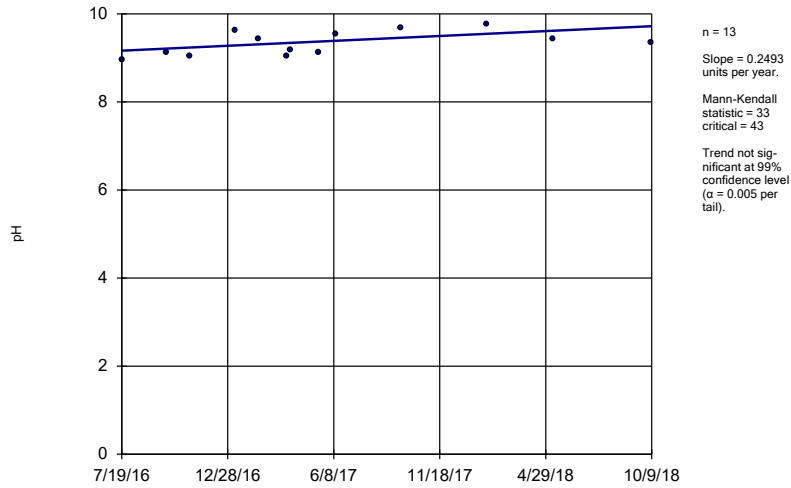
Constituent: Fluoride Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-1



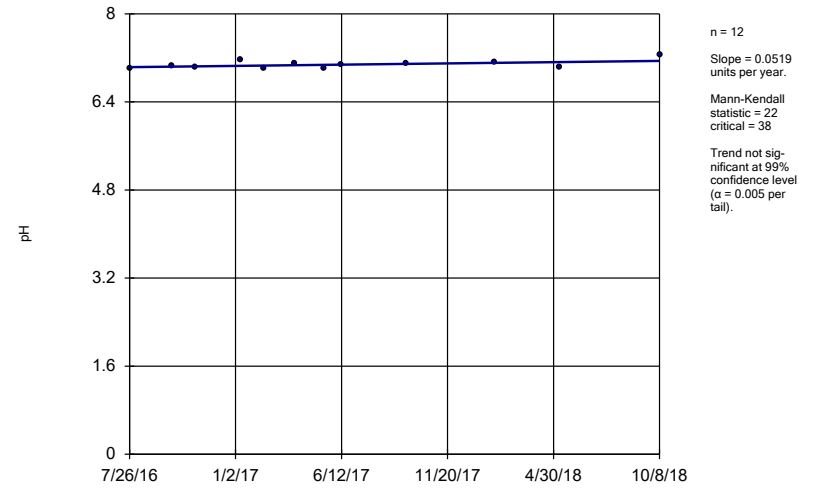
Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-3S



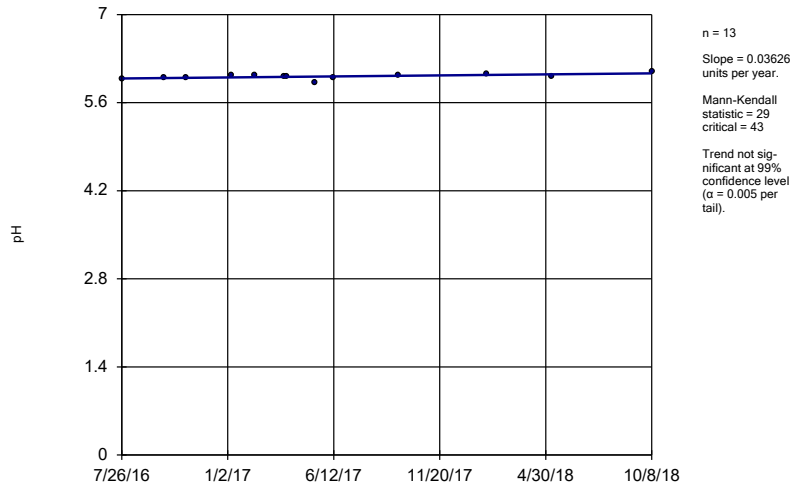
Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-5



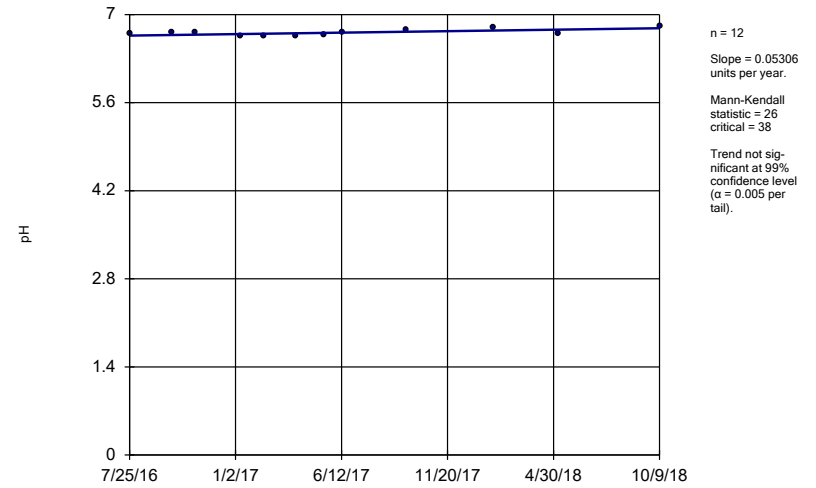
Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator MR-AP-MW-6



Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

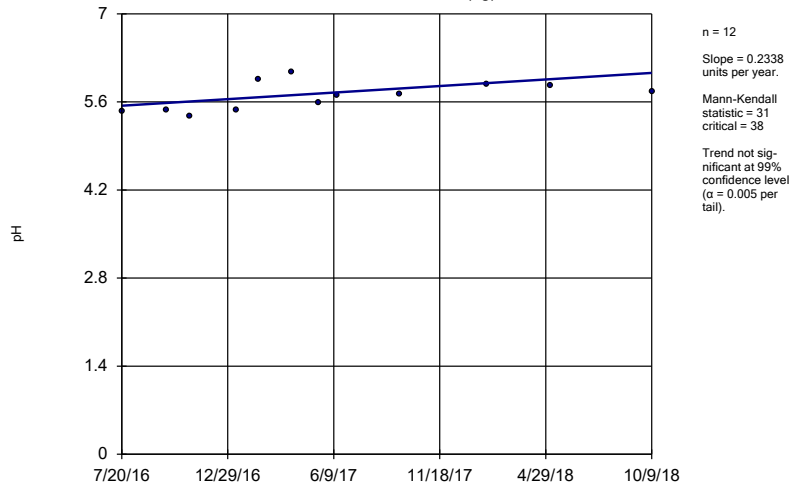
Sen's Slope Estimator MR-AP-MW-8S



Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

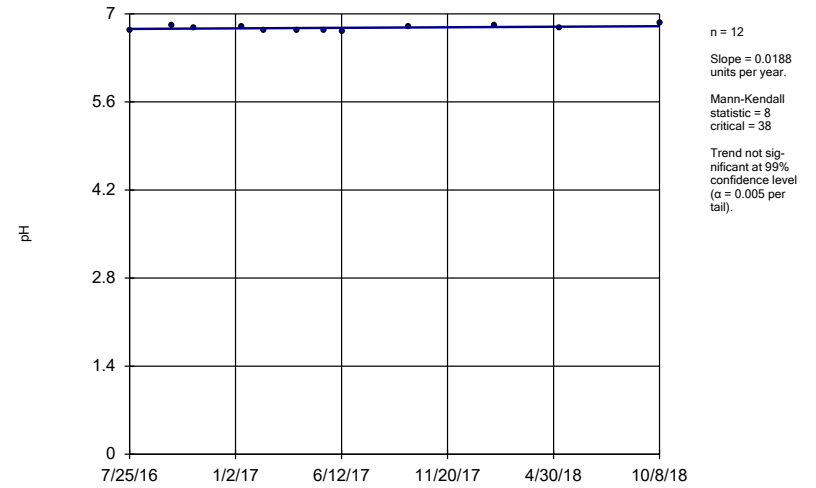
MR-AP-MW-9S (bg)



Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

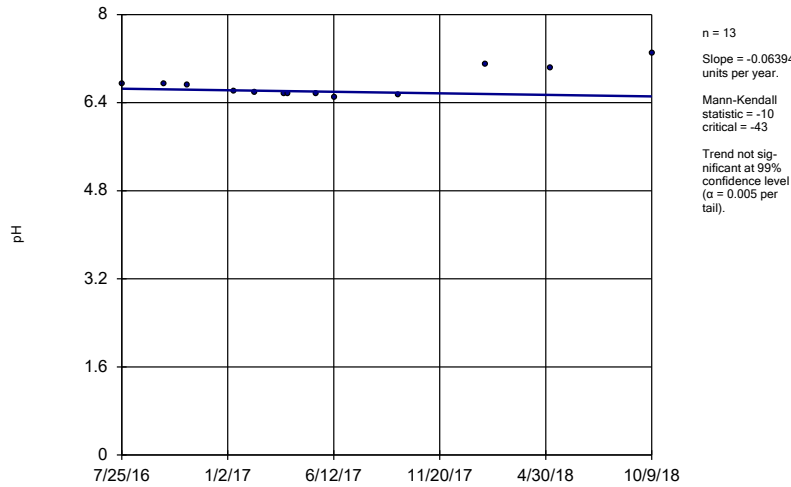
MR-AP-MW-10



Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

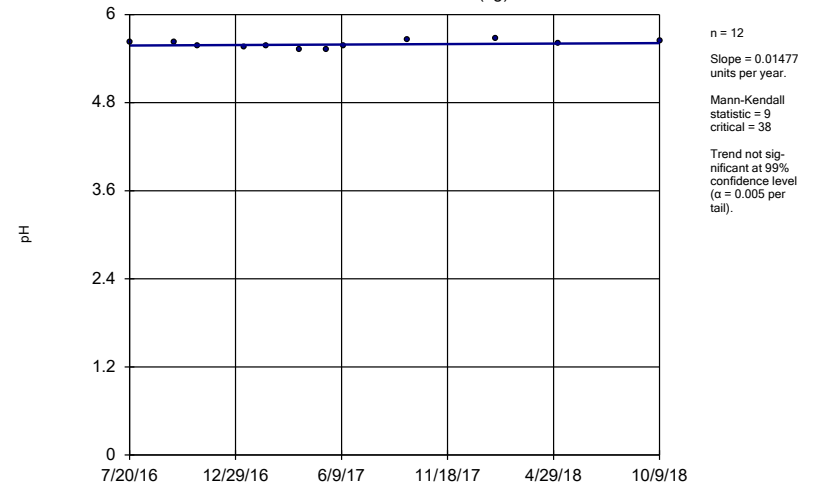
MR-AP-MW-11



Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

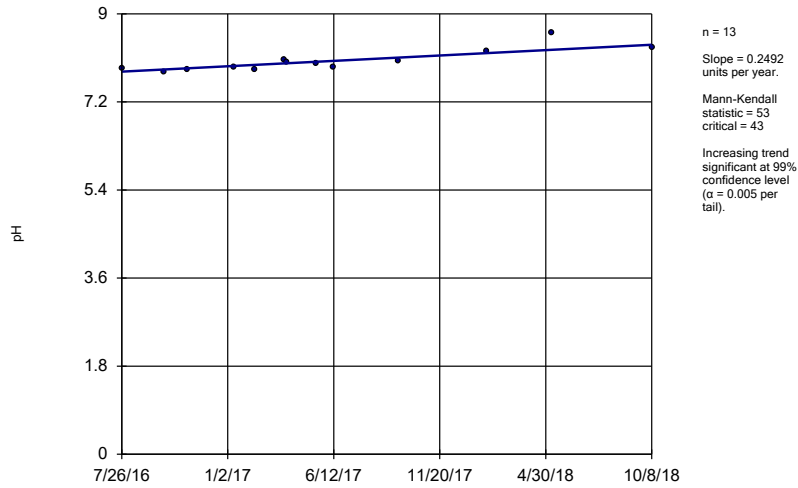
Sen's Slope Estimator

MR-AP-MW-13S (bg)



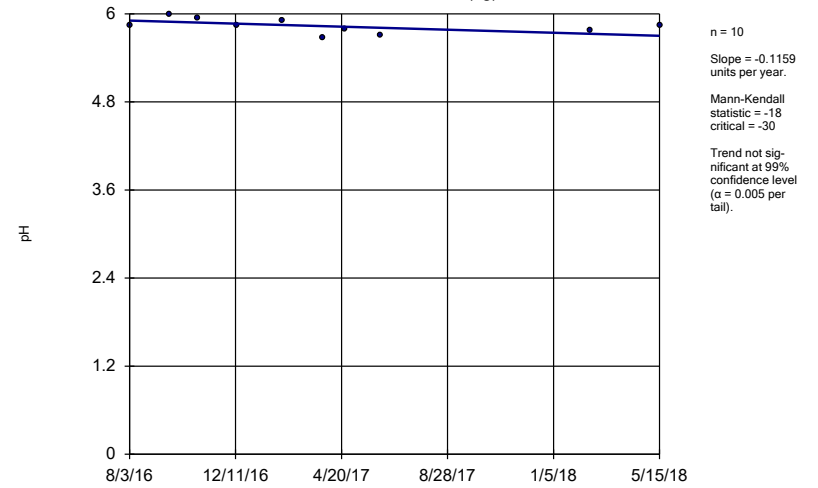
Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-PZ-5



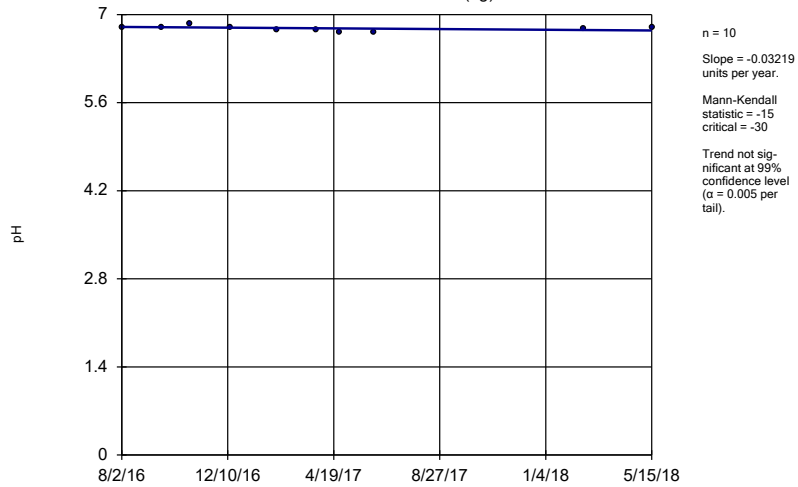
Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
GS-AP-MW-8 (bg)



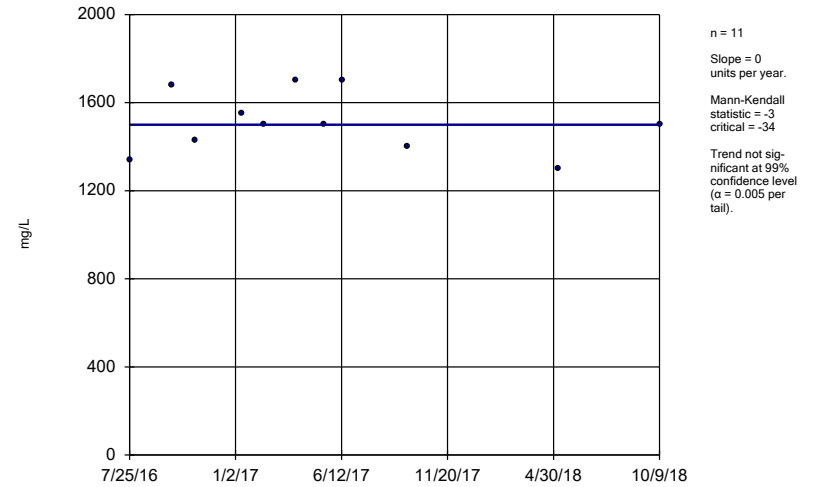
Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
GS-AP-MW-13 (bg)



Constituent: pH Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

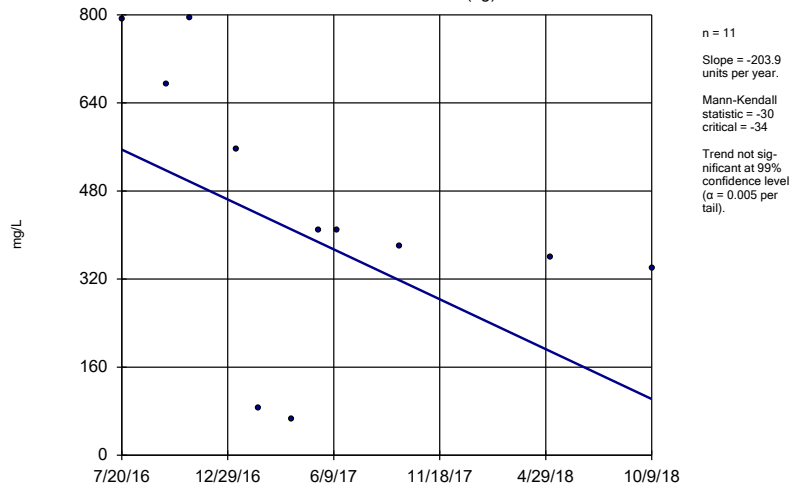
Sen's Slope Estimator
MR-AP-MW-2



Constituent: Sulfate Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

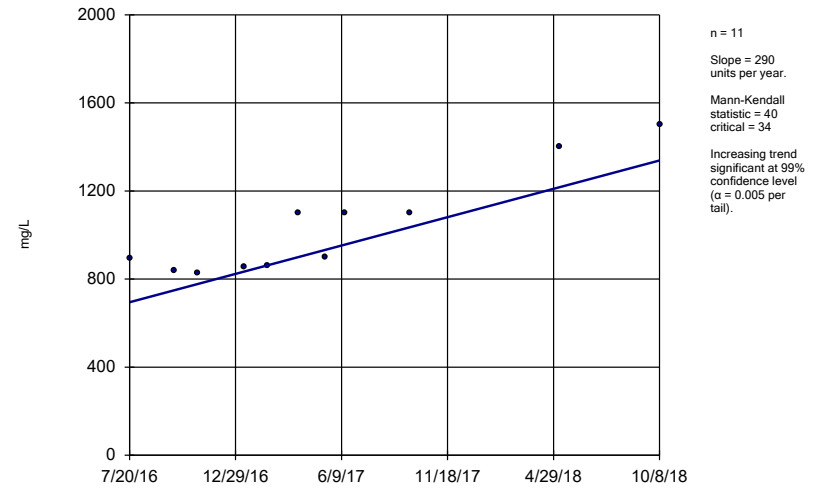
MR-AP-MW-9S (bg)



Constituent: Sulfate Analysis Run 12/20/2018 7:32 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

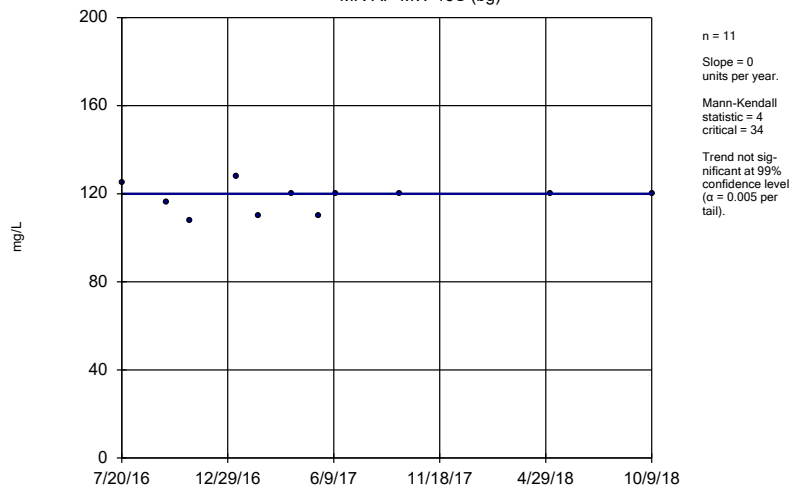
MR-AP-MW-12



Constituent: Sulfate Analysis Run 12/20/2018 7:32 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

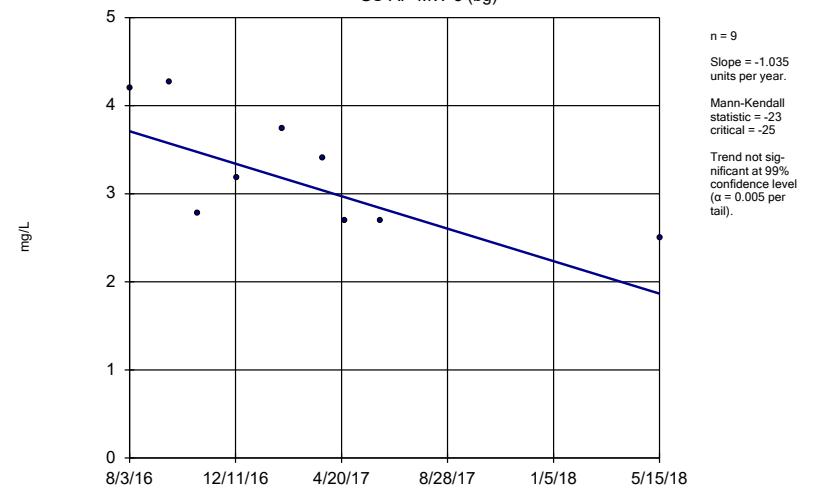
MR-AP-MW-13S (bg)



Constituent: Sulfate Analysis Run 12/20/2018 7:32 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

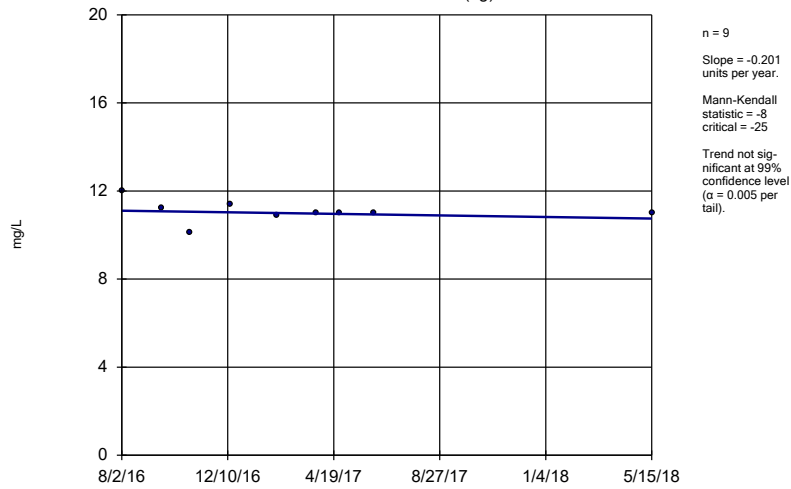
Sen's Slope Estimator

GS-AP-MW-8 (bg)



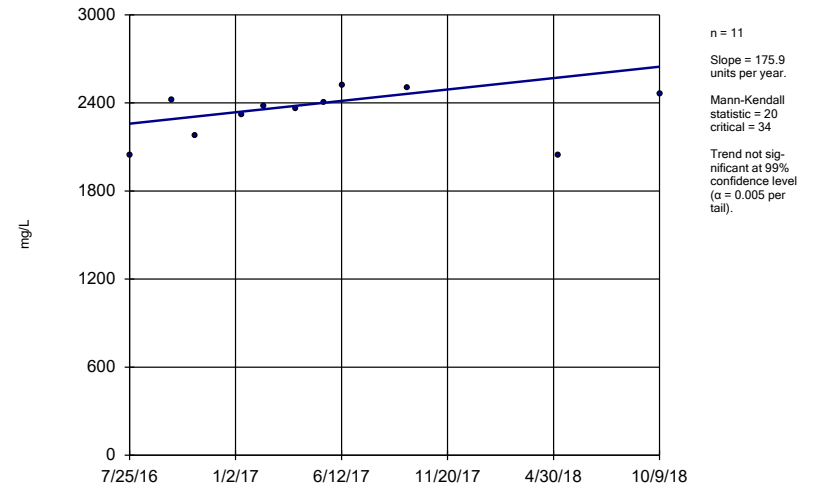
Constituent: Sulfate Analysis Run 12/20/2018 7:32 AM View: Trend Tests
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
GS-AP-MW-13 (bg)



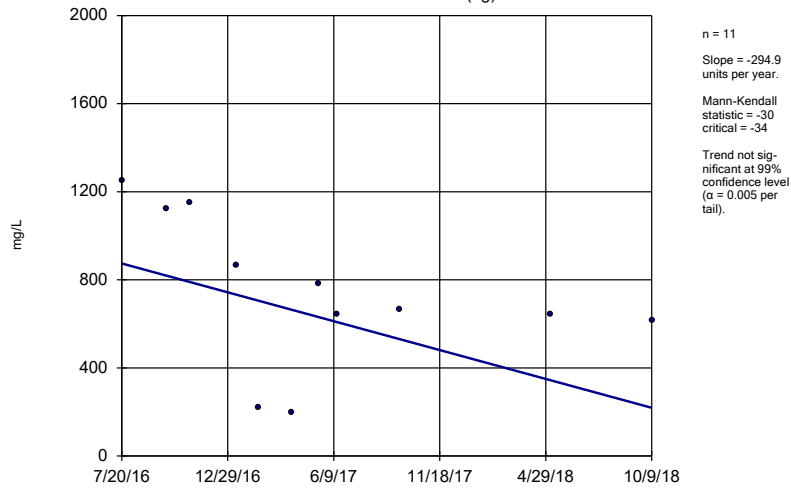
Constituent: Sulfate Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-2



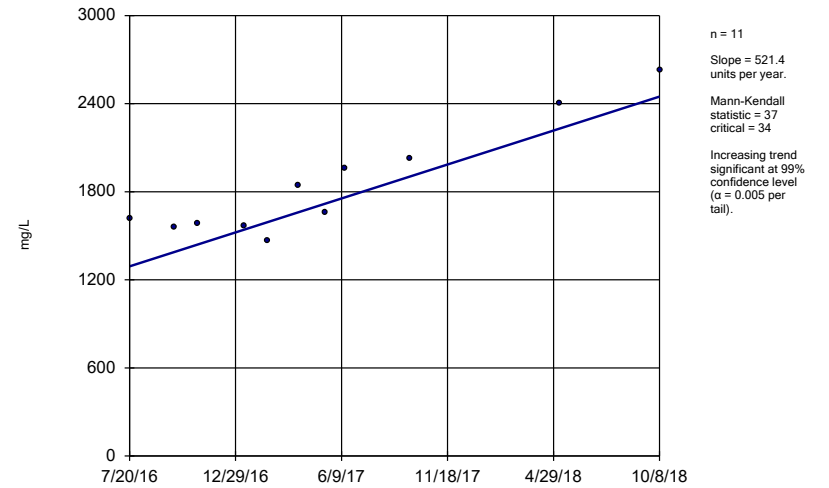
Constituent: TDS Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator
MR-AP-MW-9S (bg)



Constituent: TDS Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

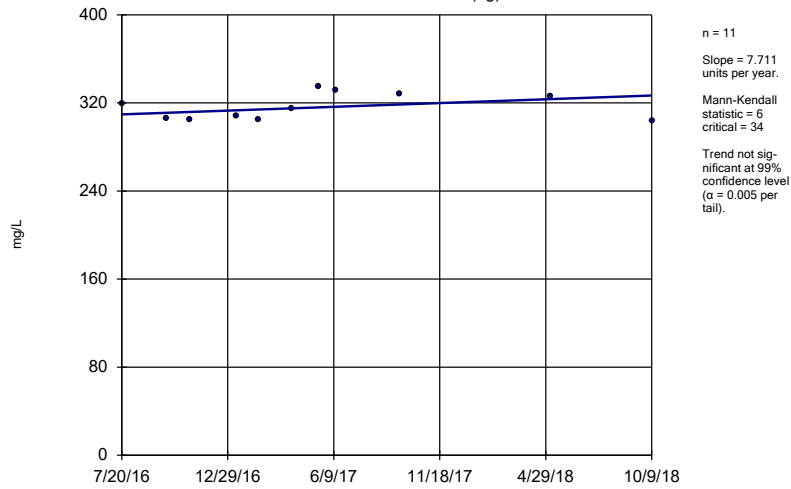
Sen's Slope Estimator
MR-AP-MW-12



Constituent: TDS Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

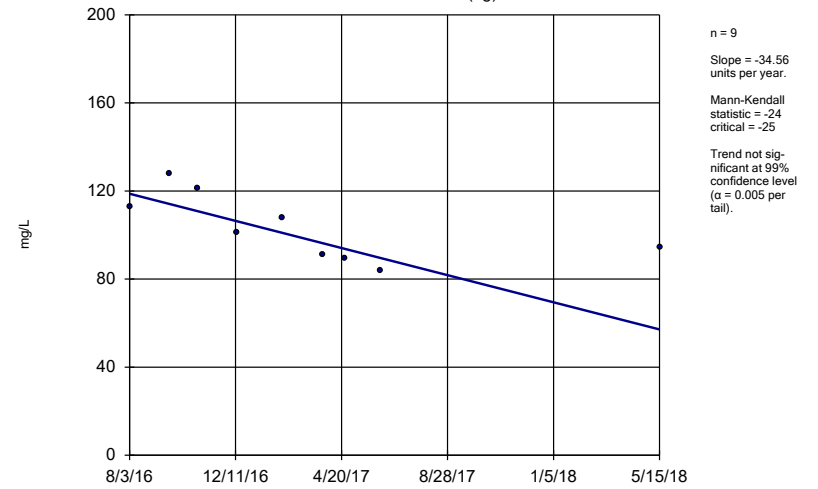
MR-AP-MW-13S (bg)



Constituent: TDS Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Sen's Slope Estimator

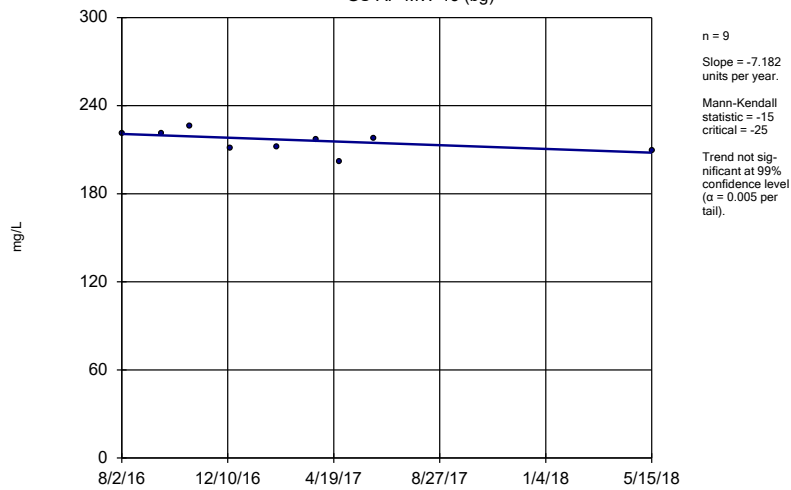
GS-AP-MW-8 (bg)



Constituent: TDS Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

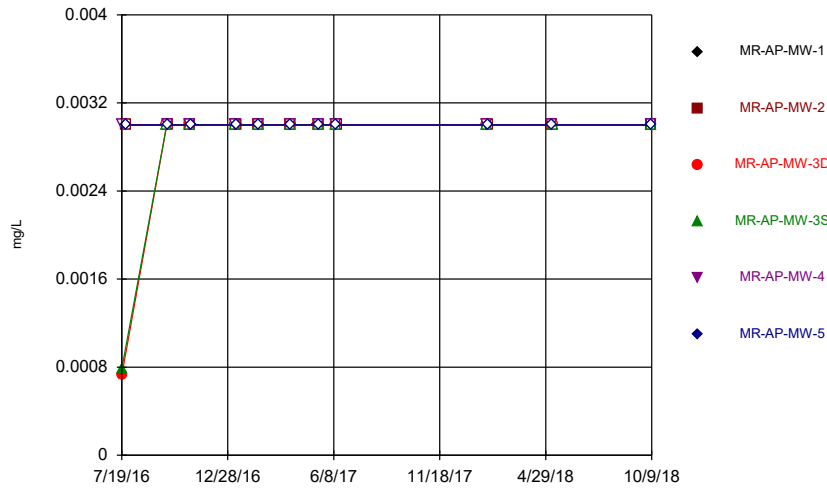
Sen's Slope Estimator

GS-AP-MW-13 (bg)



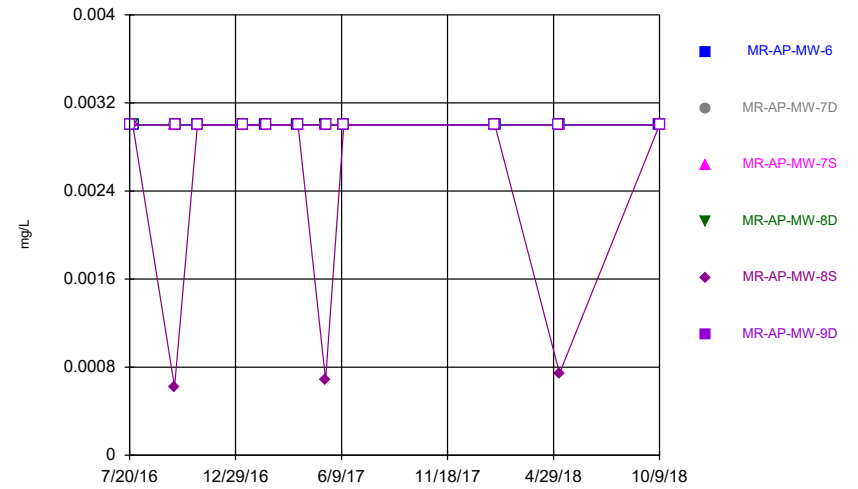
Constituent: TDS Analysis Run 12/20/2018 7:32 AM View: Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



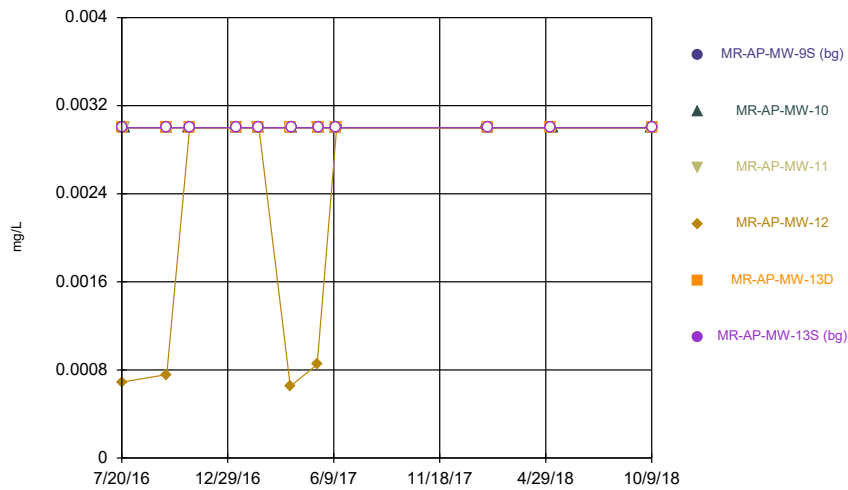
Constituent: Antimony Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



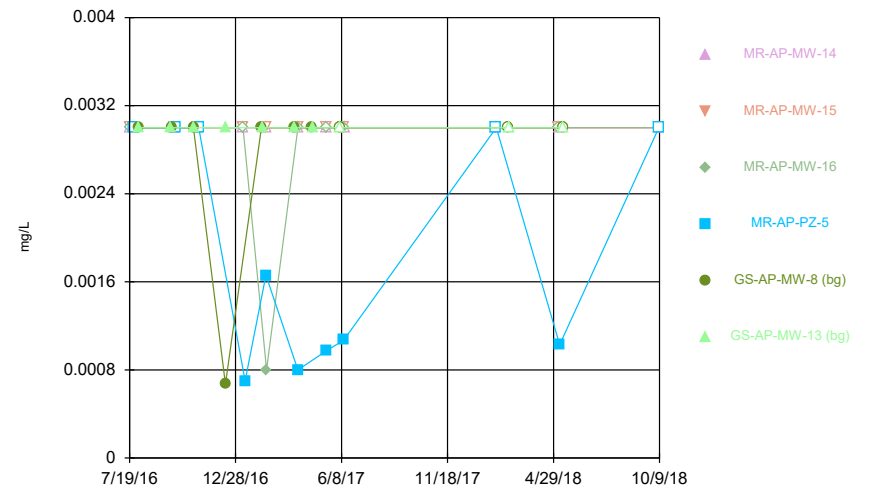
Constituent: Antimony Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



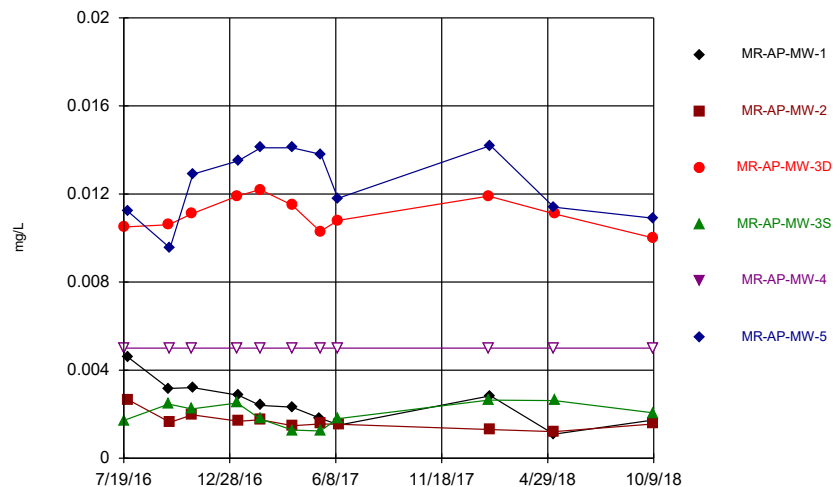
Constituent: Antimony Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



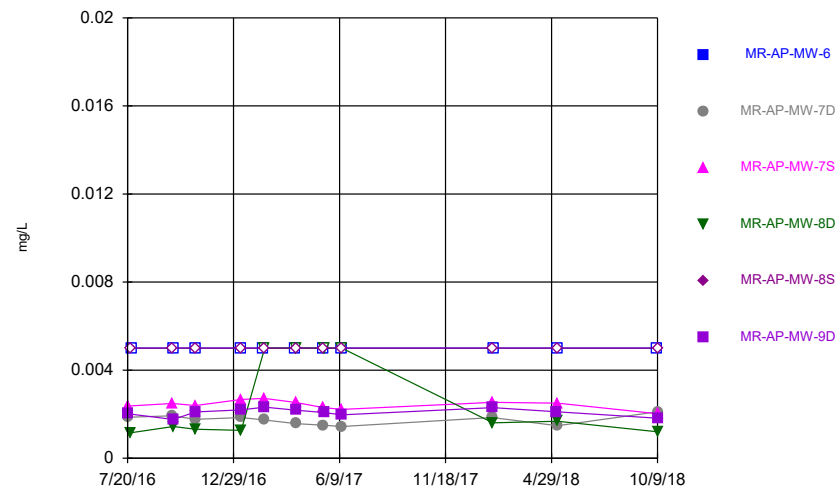
Constituent: Antimony Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



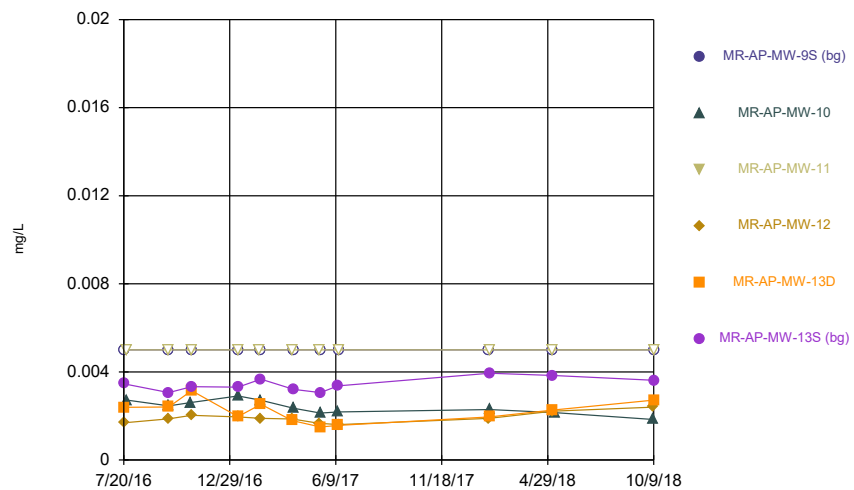
Constituent: Arsenic Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



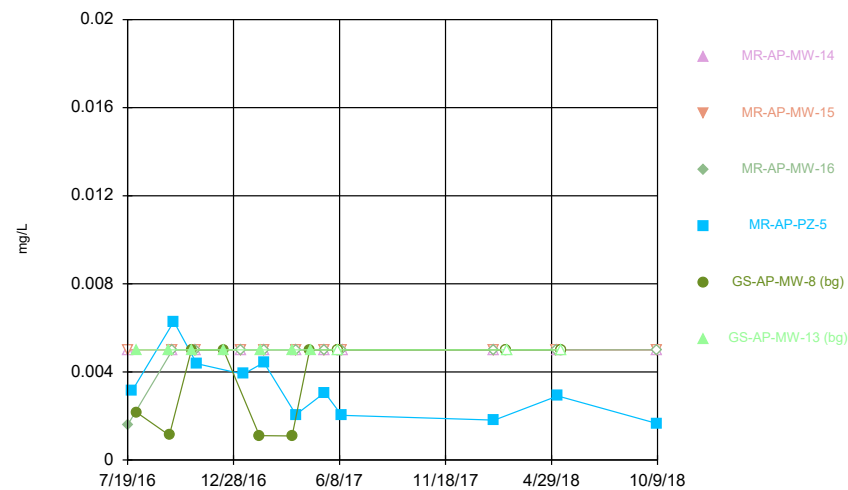
Constituent: Arsenic Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



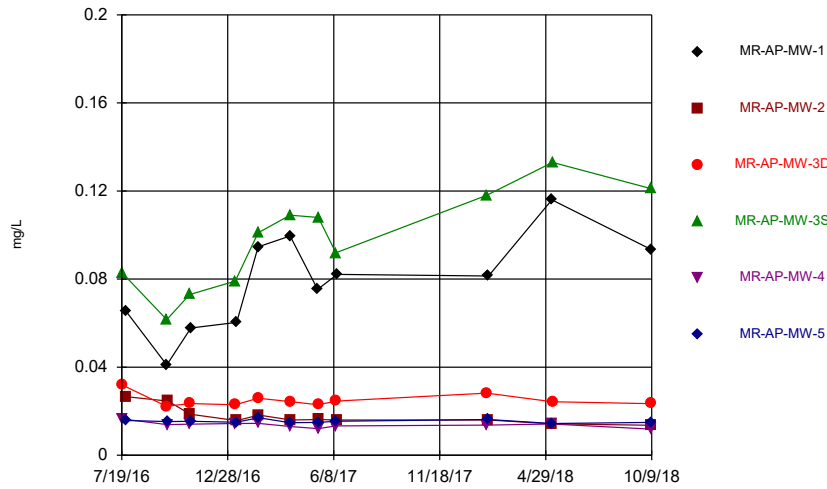
Constituent: Arsenic Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



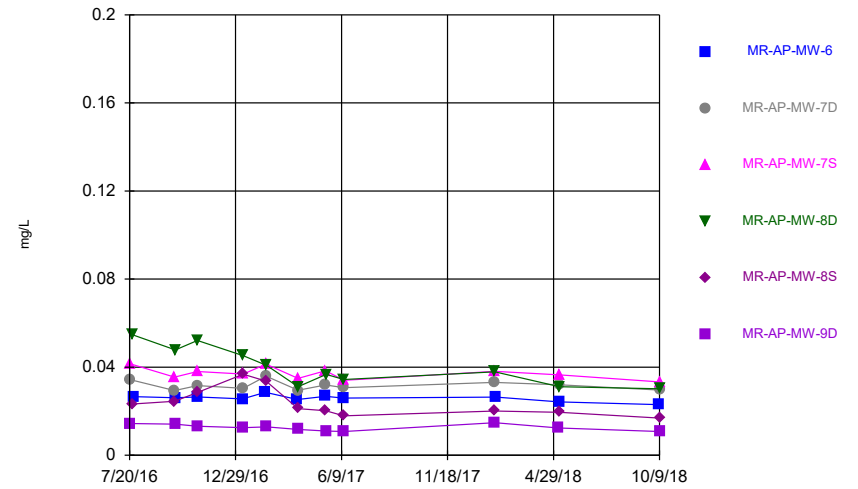
Constituent: Arsenic Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



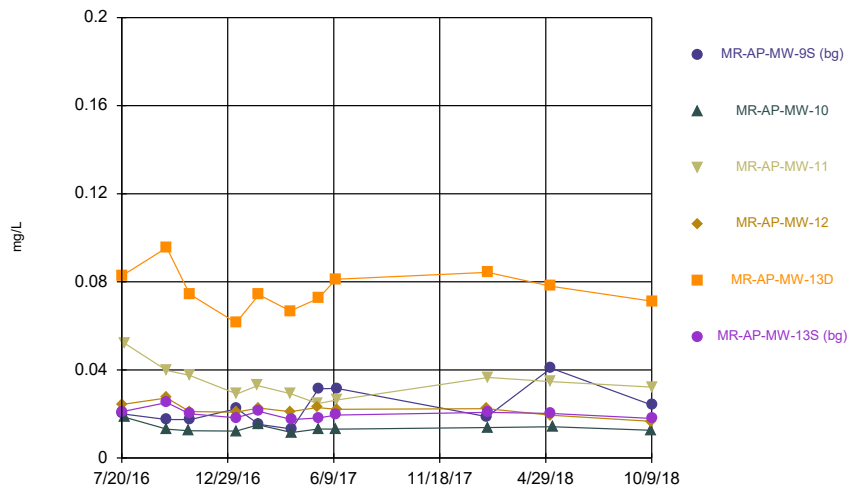
Constituent: Barium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



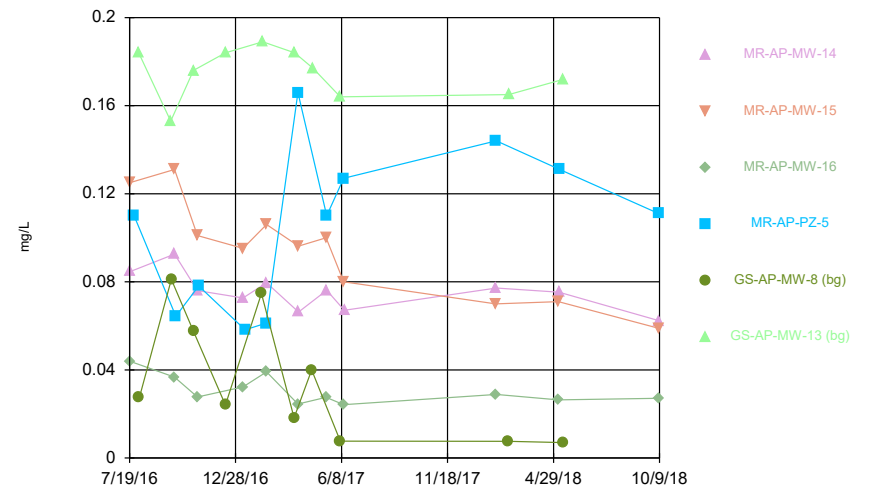
Constituent: Barium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



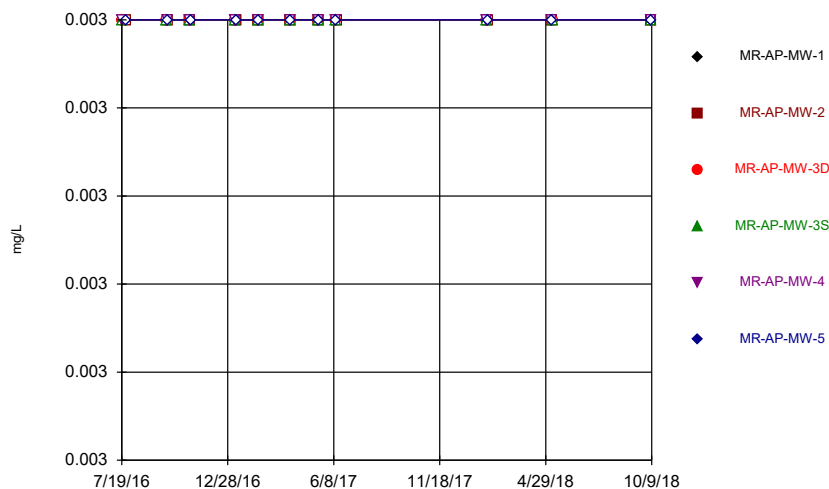
Constituent: Barium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



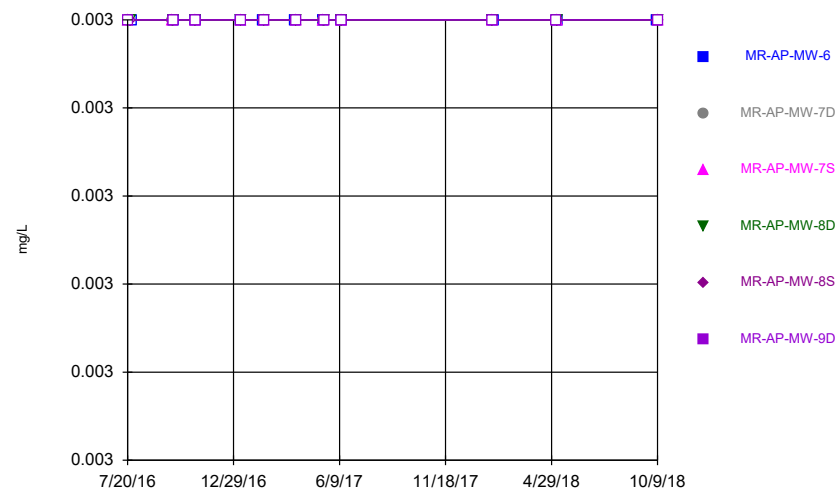
Constituent: Barium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



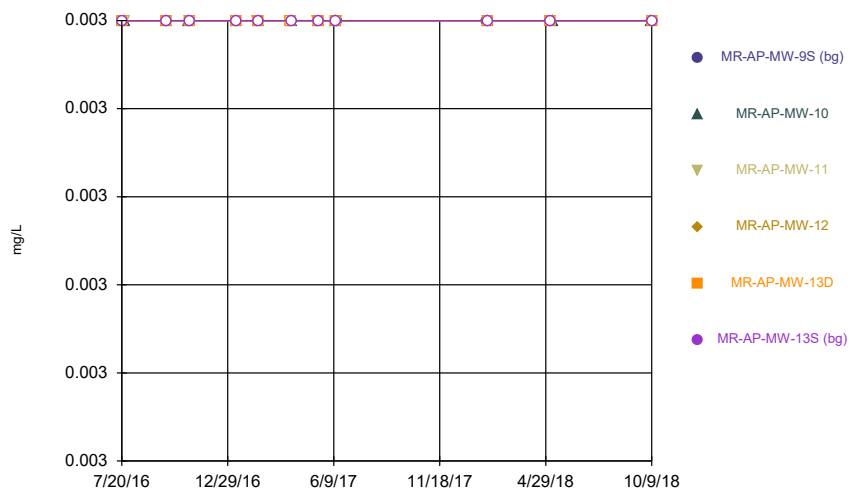
Constituent: Beryllium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



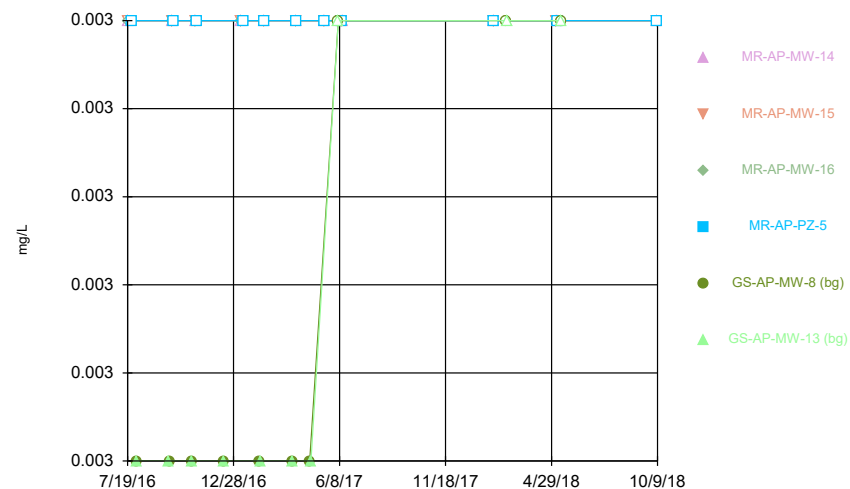
Constituent: Beryllium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



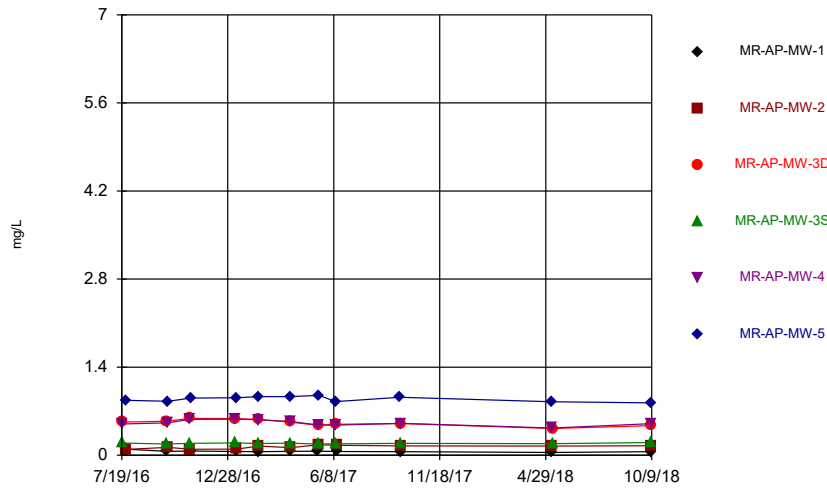
Constituent: Beryllium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



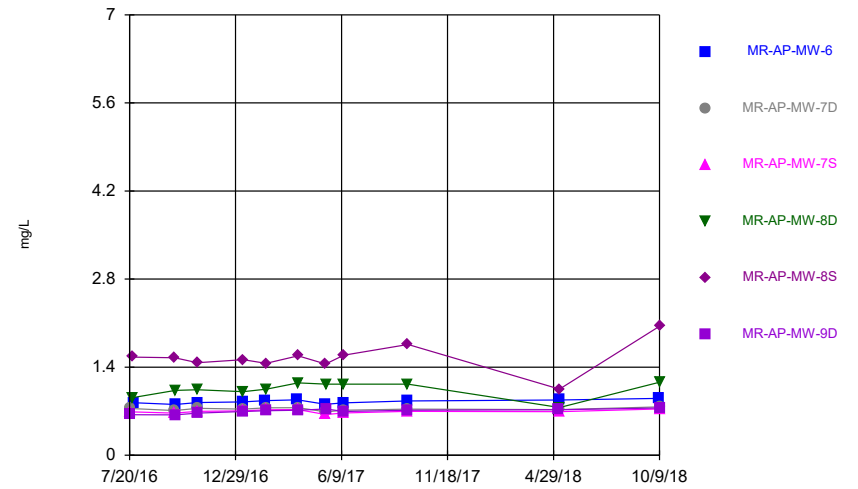
Constituent: Beryllium Analysis Run 12/18/2018 2:36 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



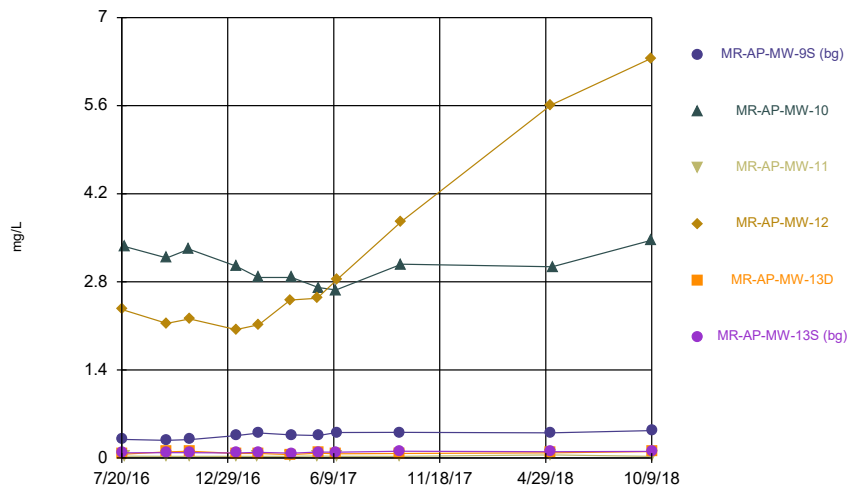
Constituent: Boron Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



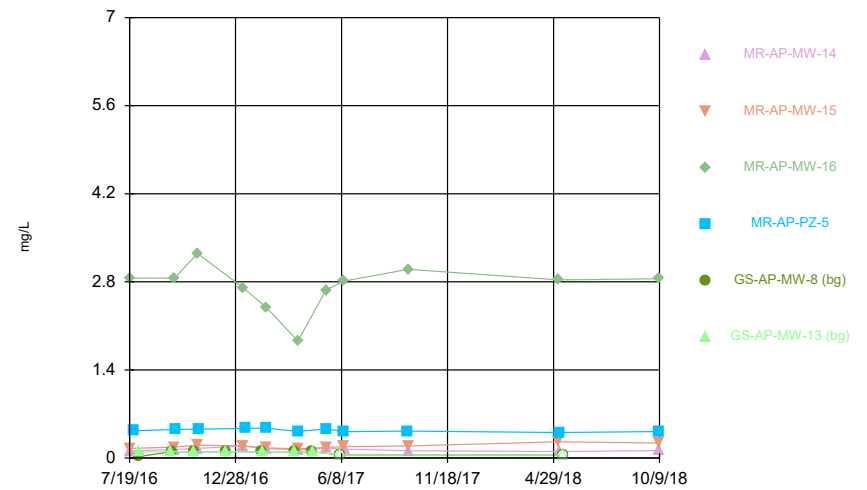
Constituent: Boron Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



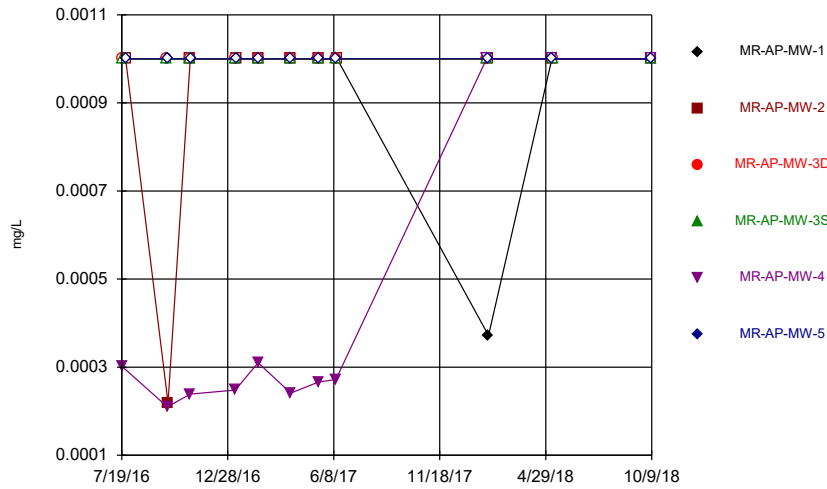
Constituent: Boron Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



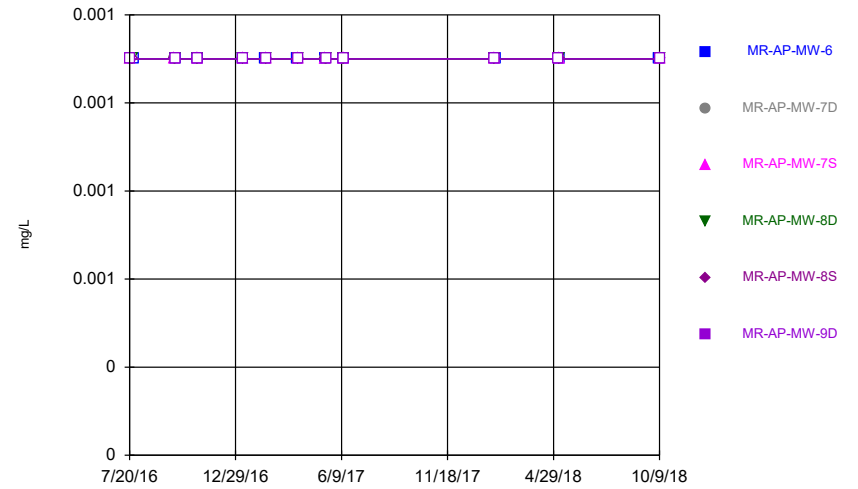
Constituent: Boron Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



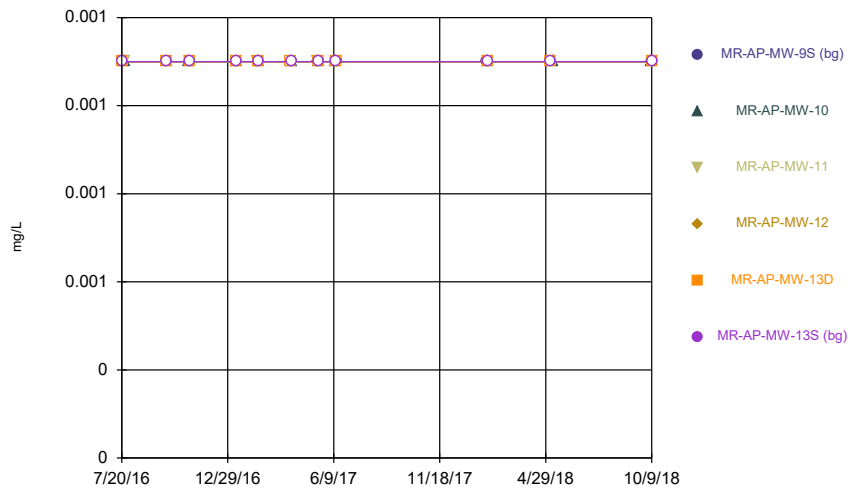
Constituent: Cadmium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



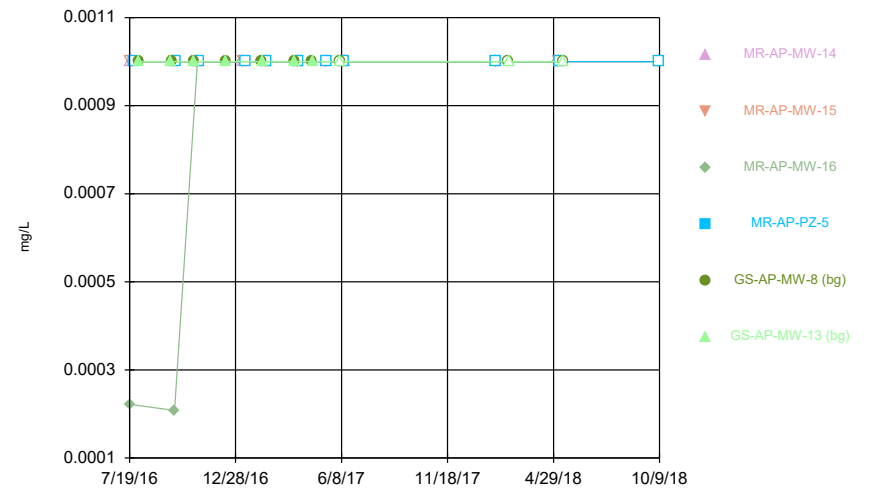
Constituent: Cadmium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



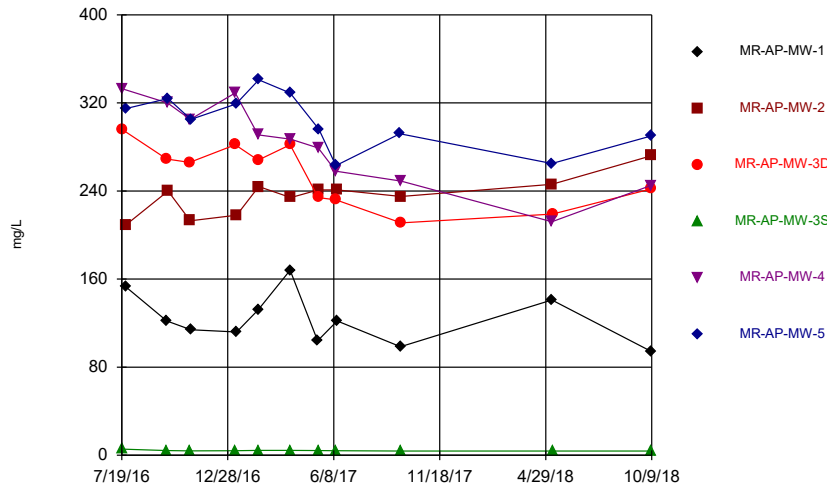
Constituent: Cadmium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



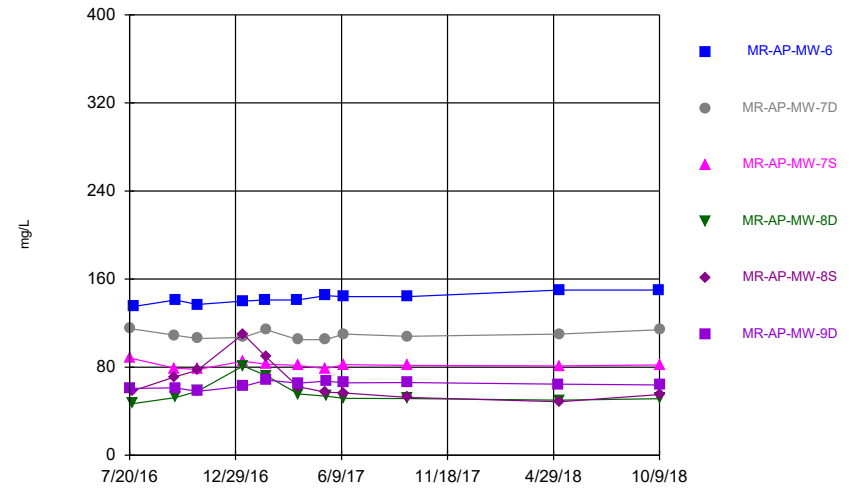
Constituent: Cadmium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



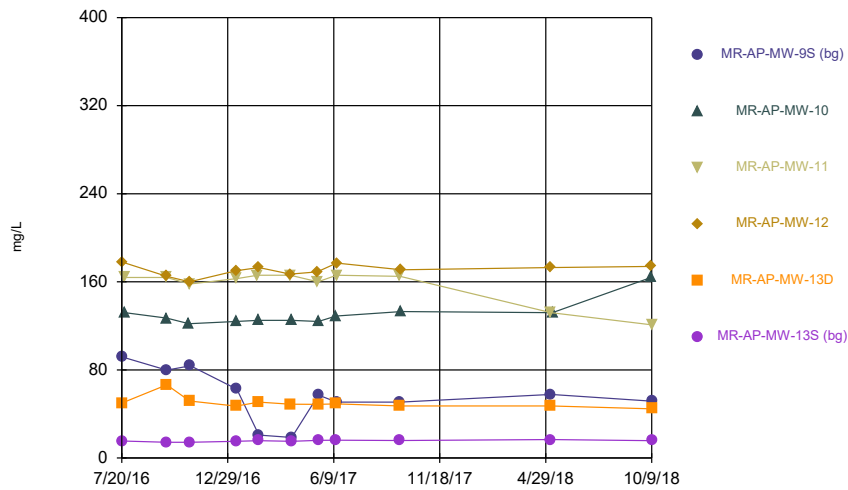
Constituent: Calcium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



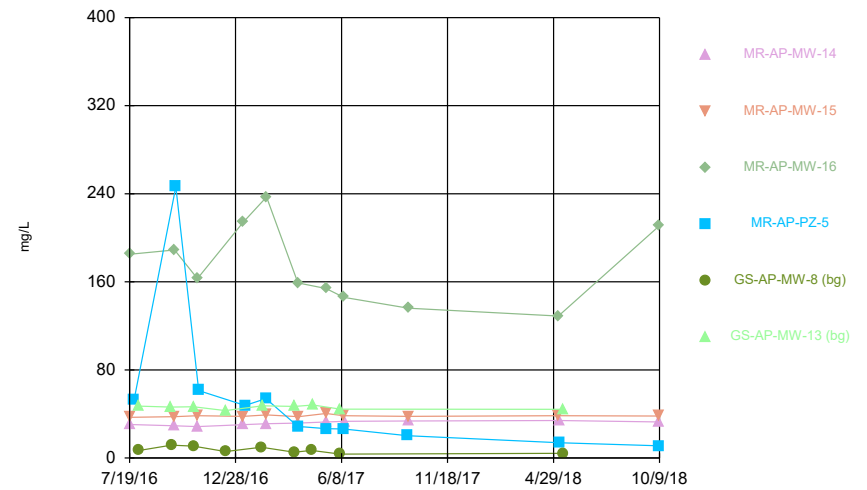
Constituent: Calcium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



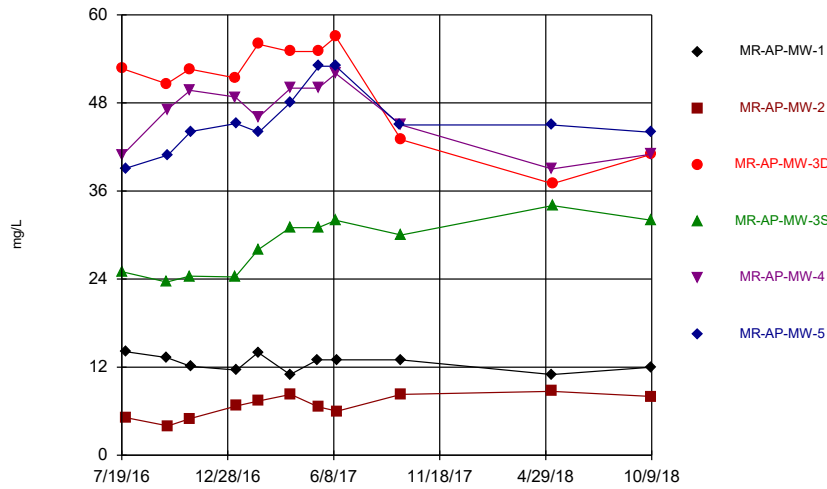
Constituent: Calcium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



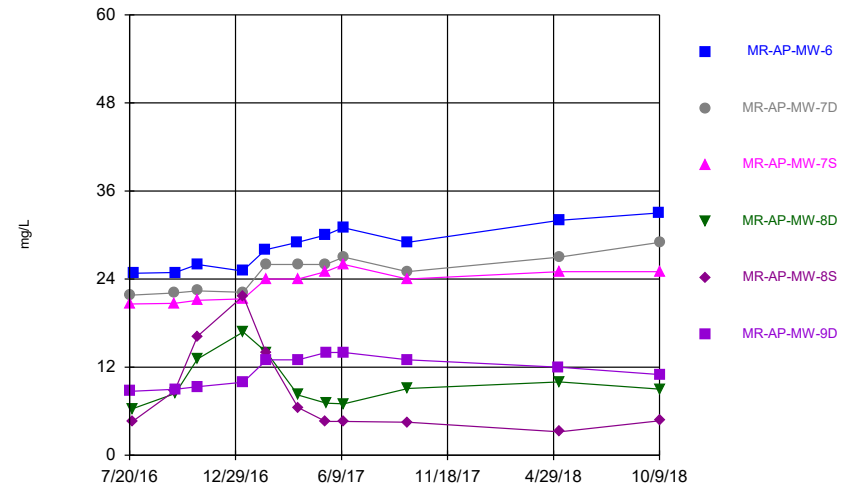
Constituent: Calcium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



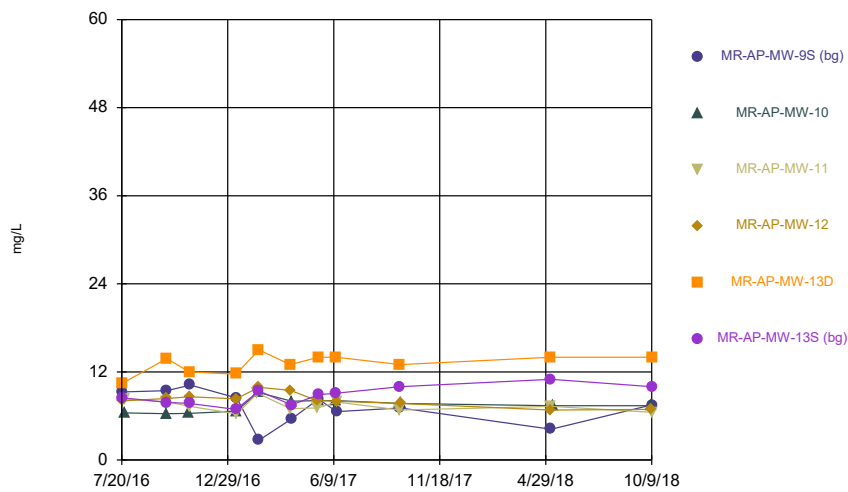
Constituent: Chloride Analysis Run 12/18/2018 2:37 PM View: Descriptive
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



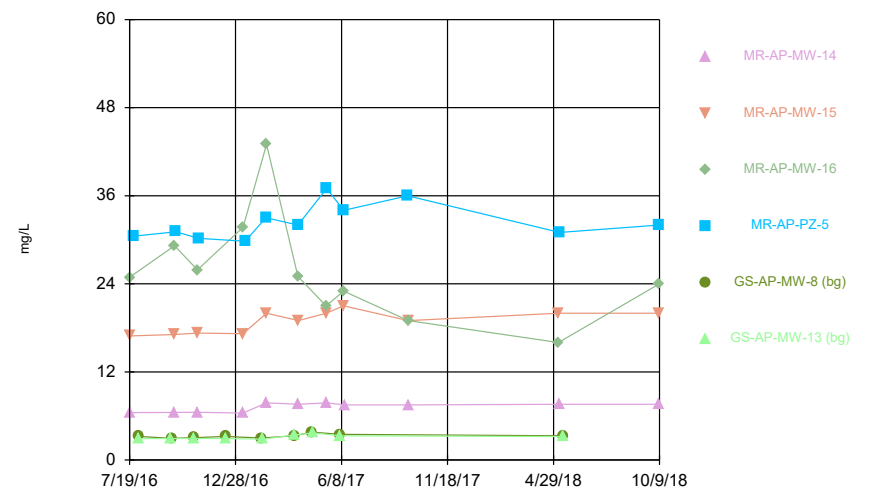
Constituent: Chloride Analysis Run 12/18/2018 2:37 PM View: Descriptive
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



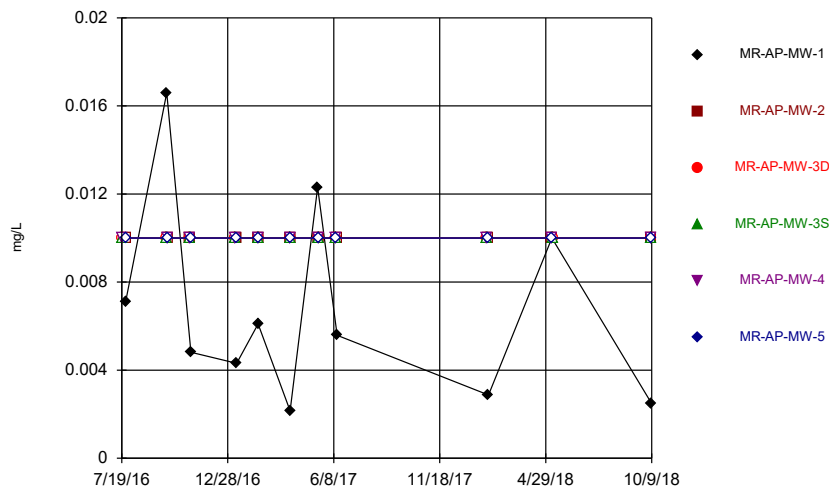
Constituent: Chloride Analysis Run 12/18/2018 2:37 PM View: Descriptive
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



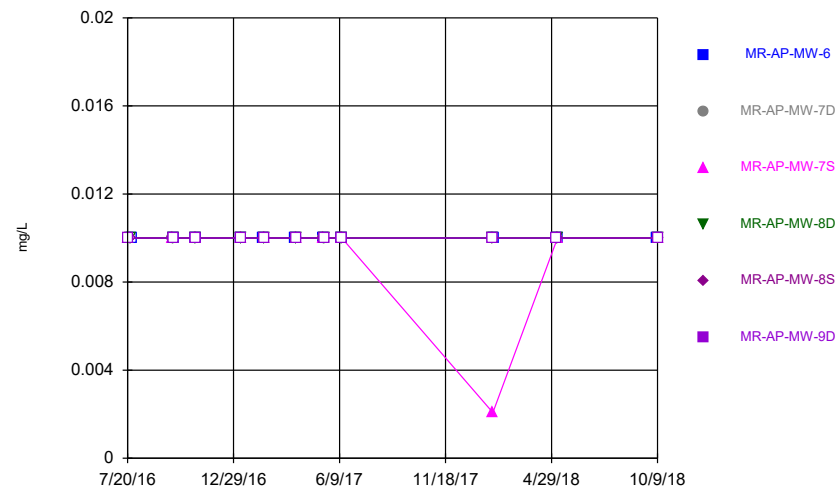
Constituent: Chloride Analysis Run 12/18/2018 2:37 PM View: Descriptive
 Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



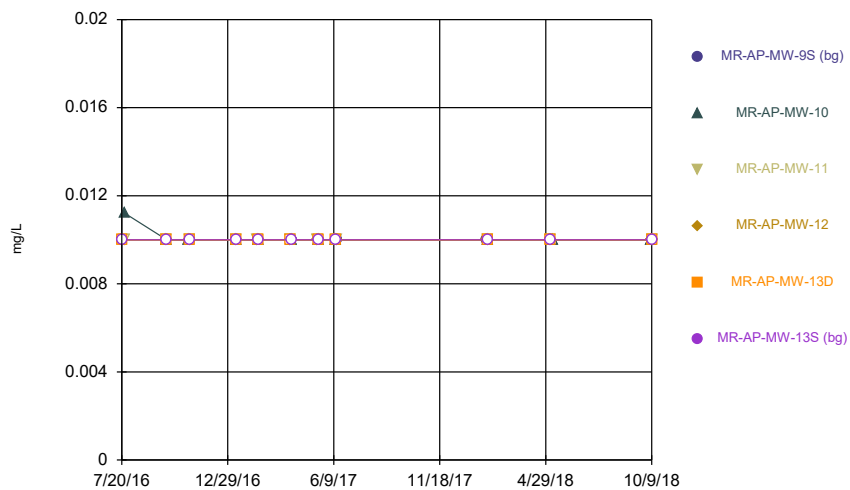
Constituent: Chromium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



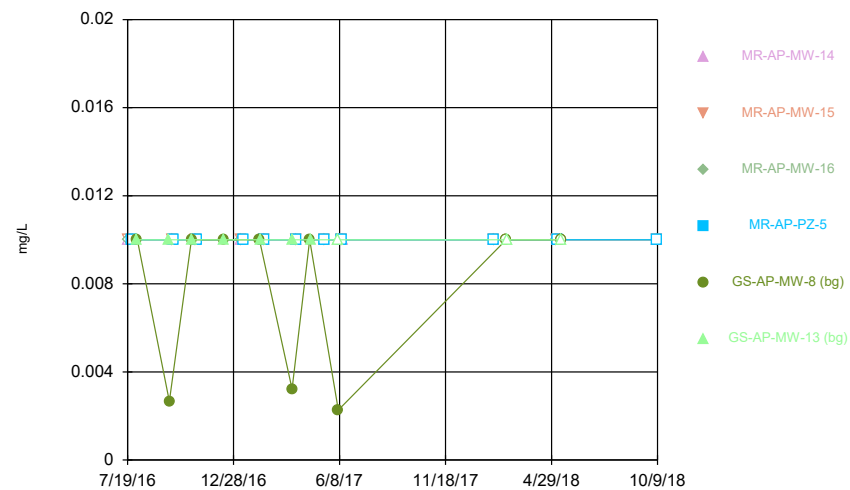
Constituent: Chromium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



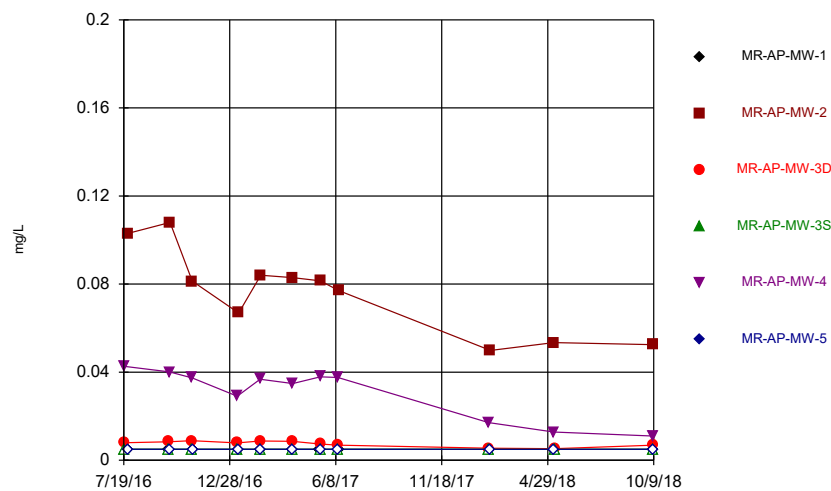
Constituent: Chromium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



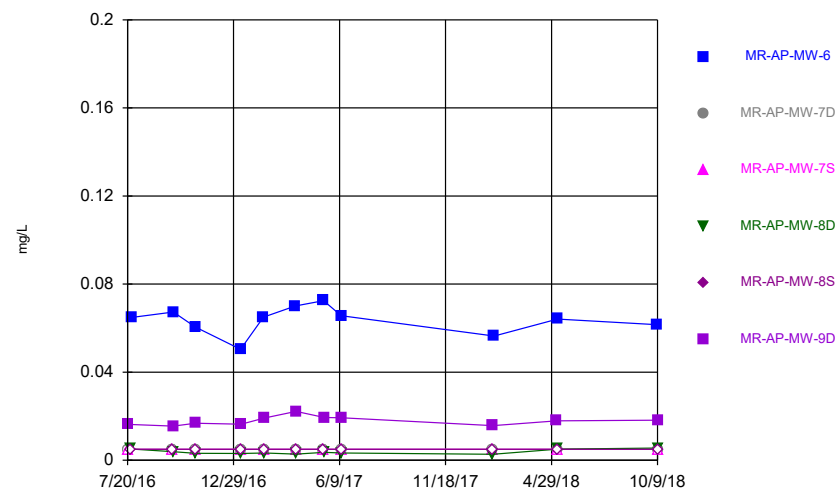
Constituent: Chromium Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



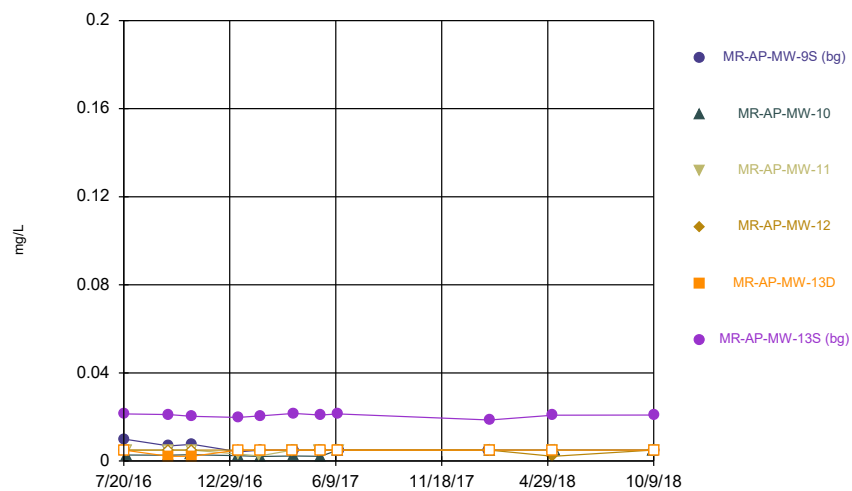
Constituent: Cobalt Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



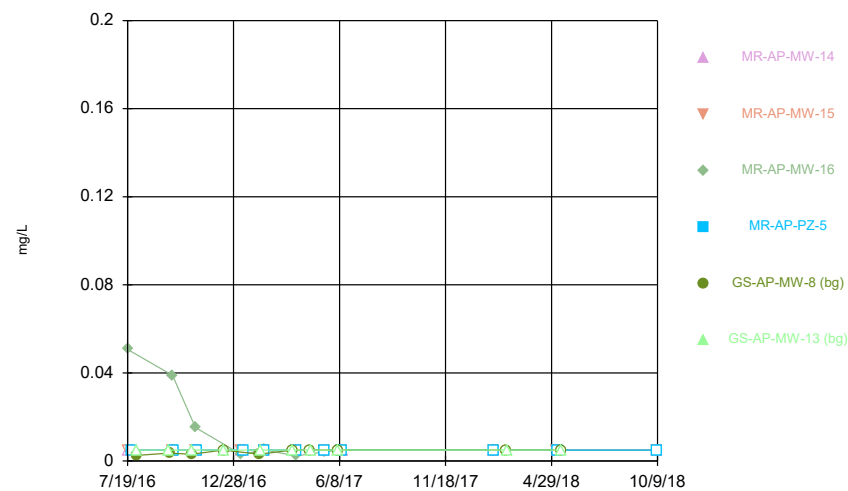
Constituent: Cobalt Analysis Run 12/18/2018 2:37 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



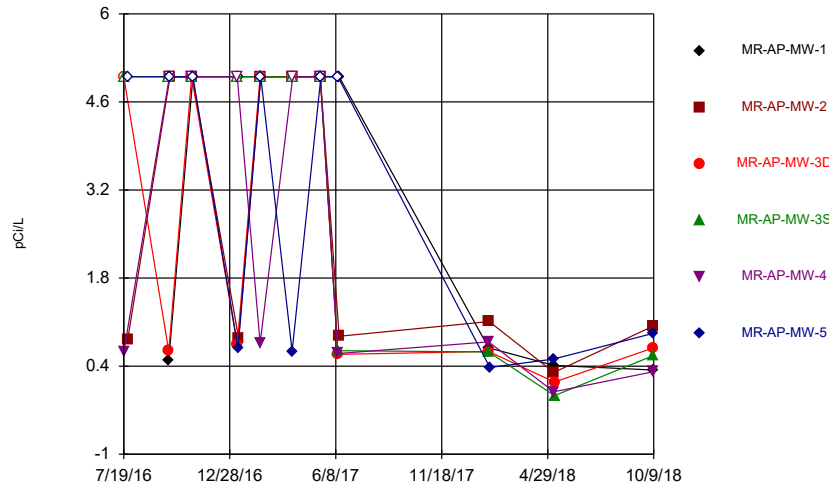
Constituent: Cobalt Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



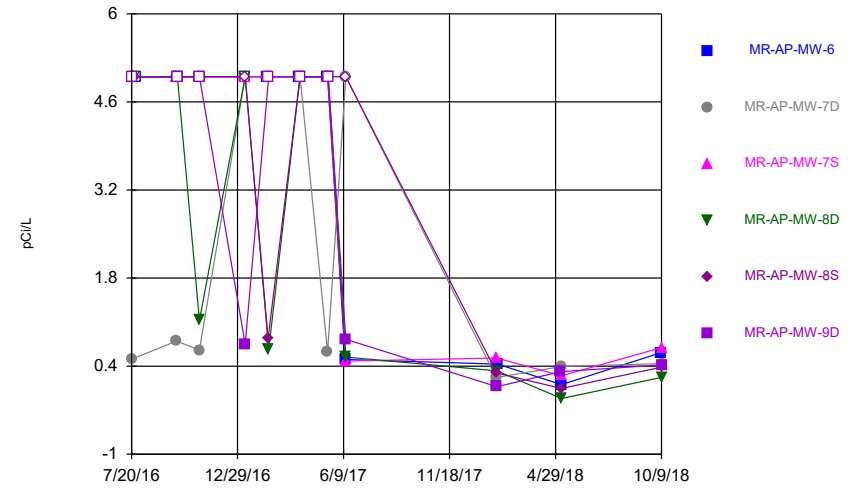
Constituent: Cobalt Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



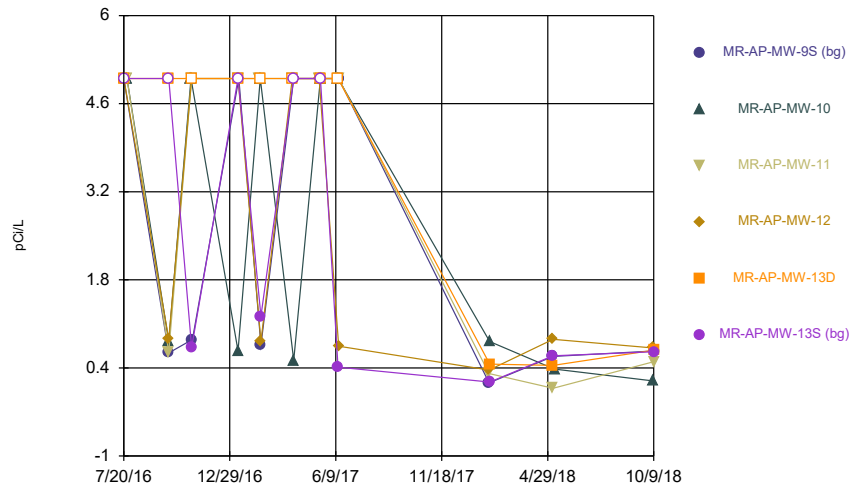
Constituent: Combined Radium 226 + 228 Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



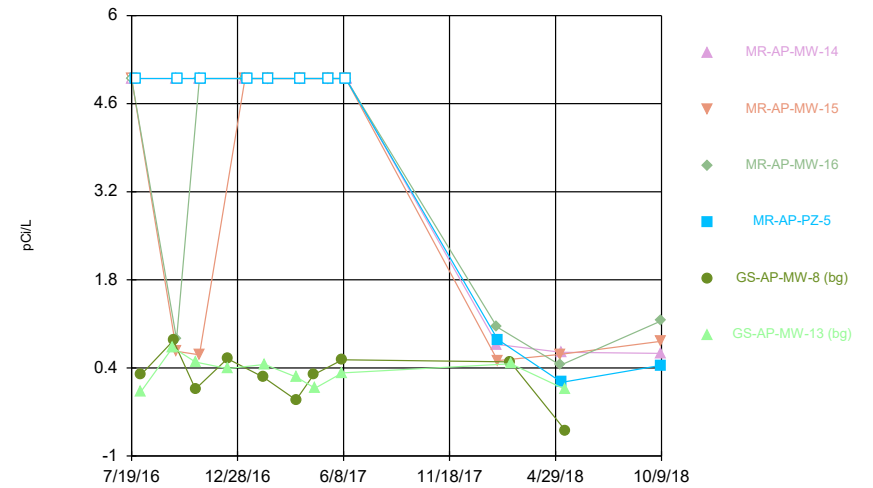
Constituent: Combined Radium 226 + 228 Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



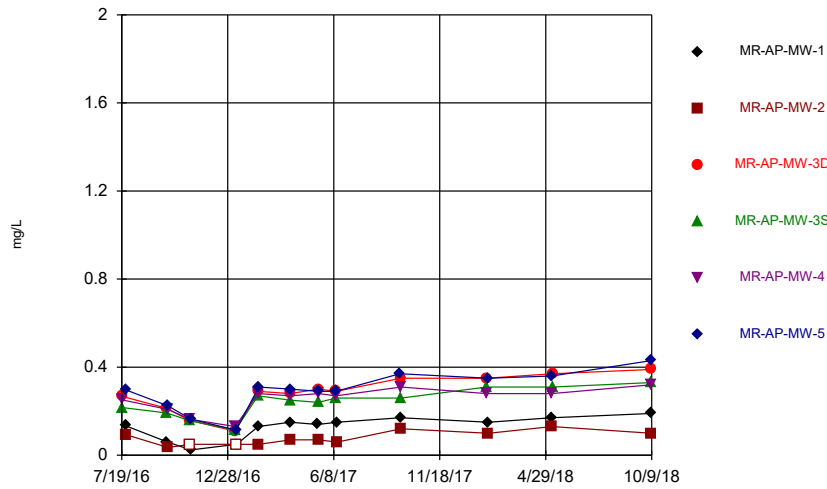
Constituent: Combined Radium 226 + 228 Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



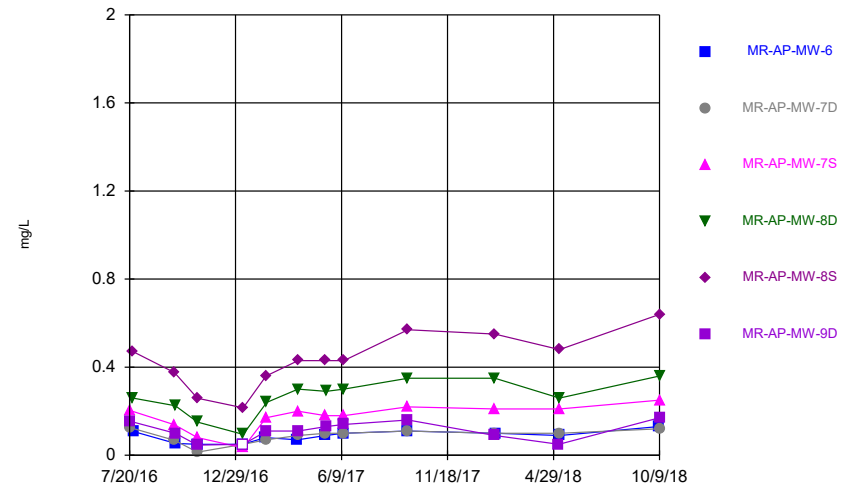
Constituent: Combined Radium 226 + 228 Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



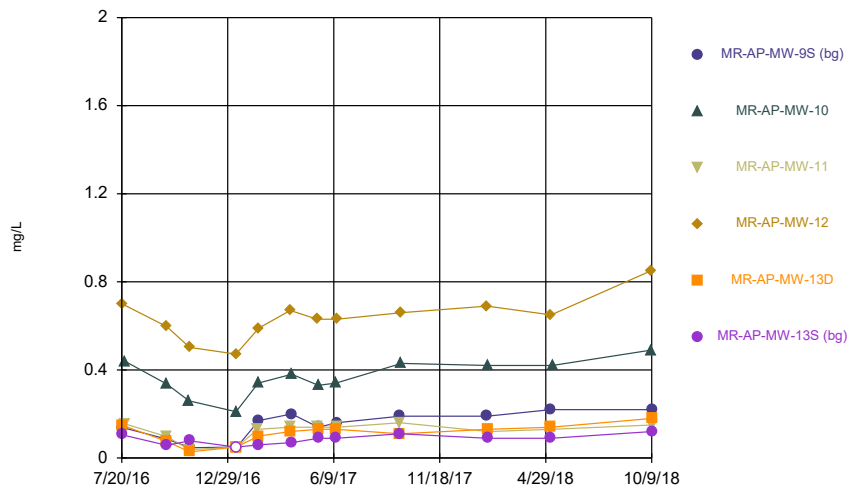
Constituent: Fluoride Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



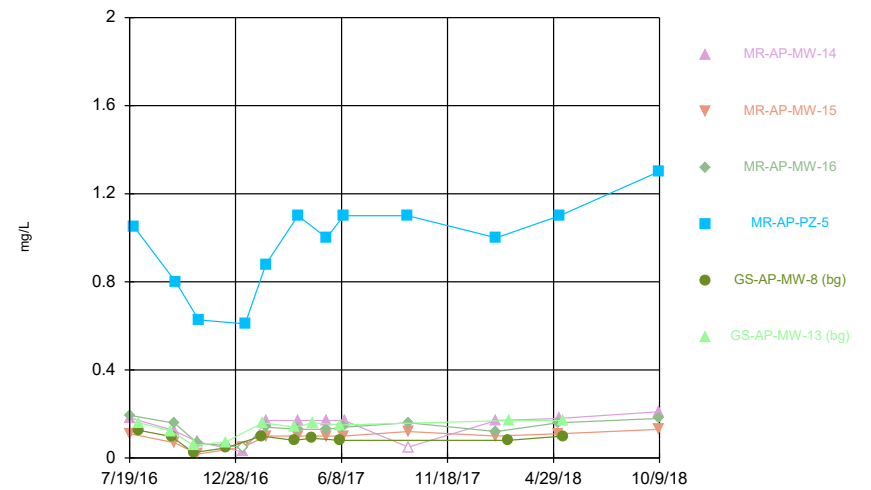
Constituent: Fluoride Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



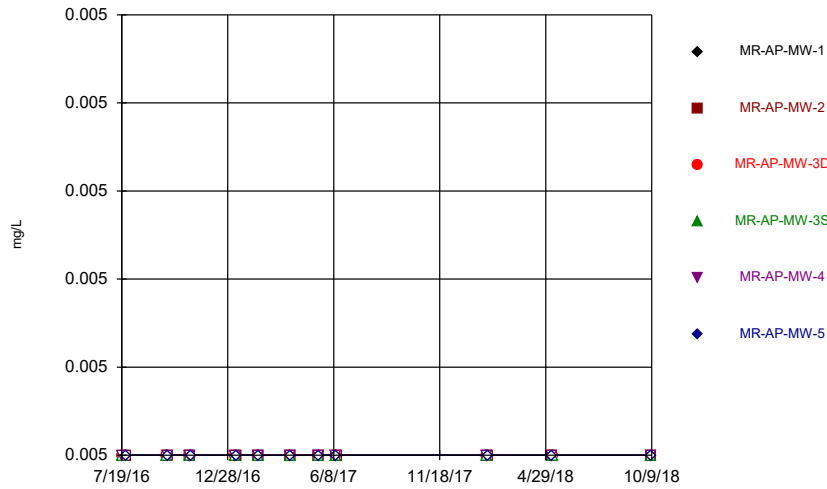
Constituent: Fluoride Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



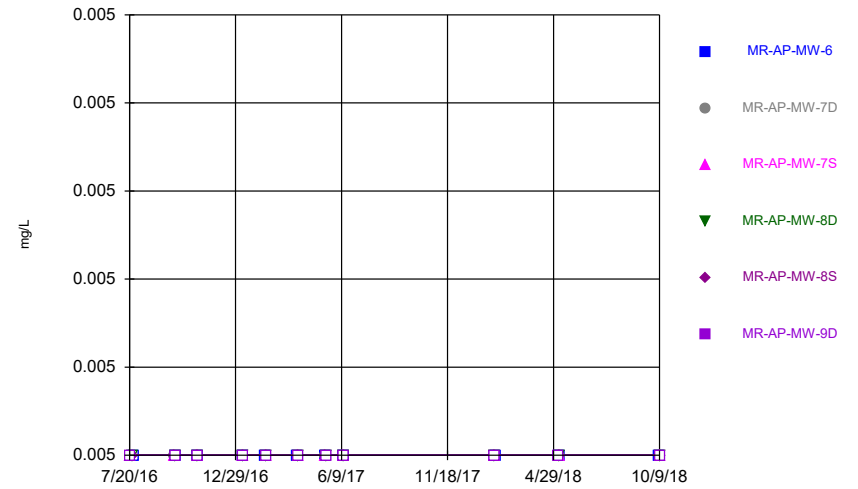
Constituent: Fluoride Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



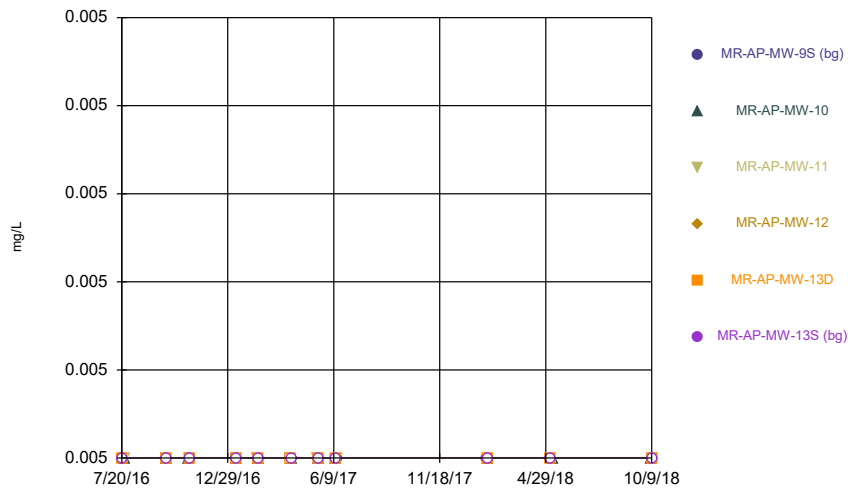
Constituent: Lead Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



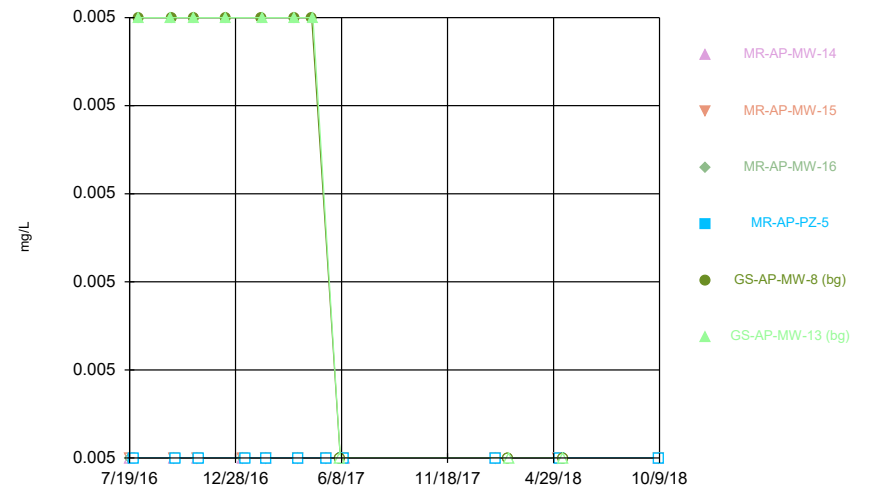
Constituent: Lead Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



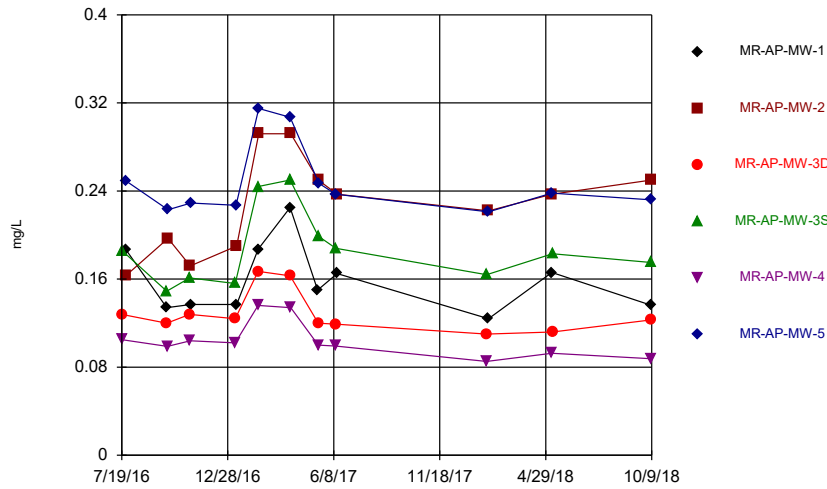
Constituent: Lead Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



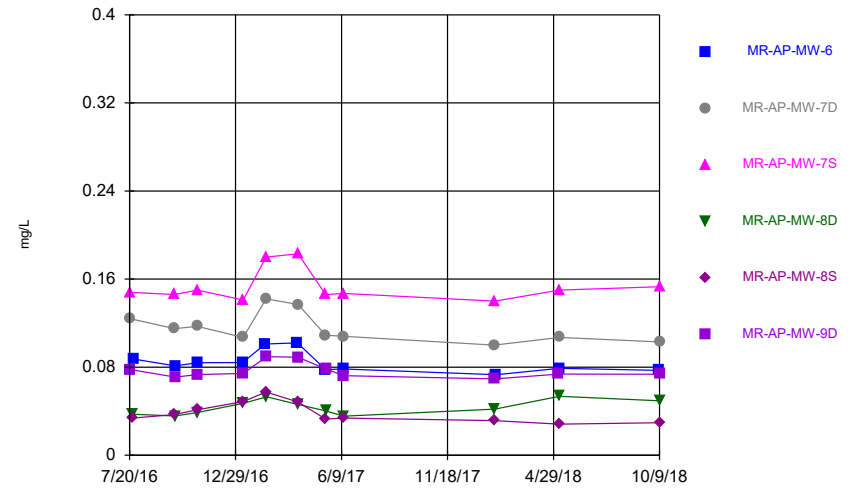
Constituent: Lead Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



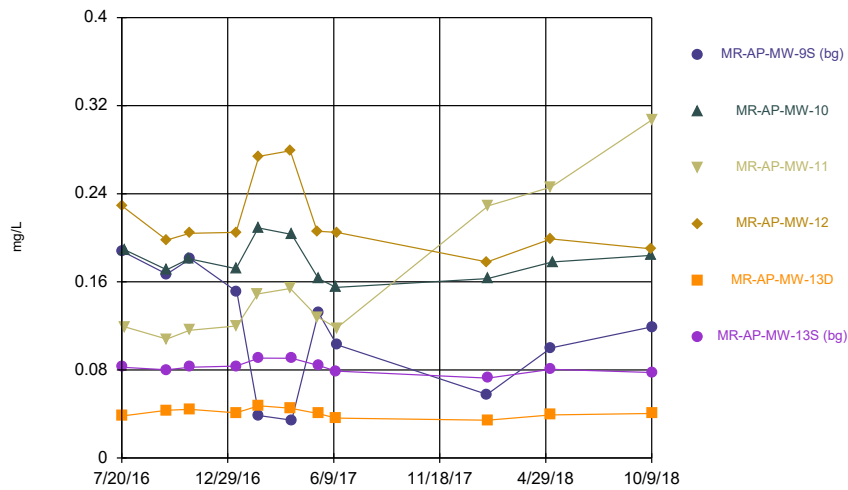
Constituent: Lithium Analysis Run 12/18/2018 2:38 PM View: Descriptive Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



Constituent: Lithium Analysis Run 12/18/2018 2:38 PM View: Descriptive Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

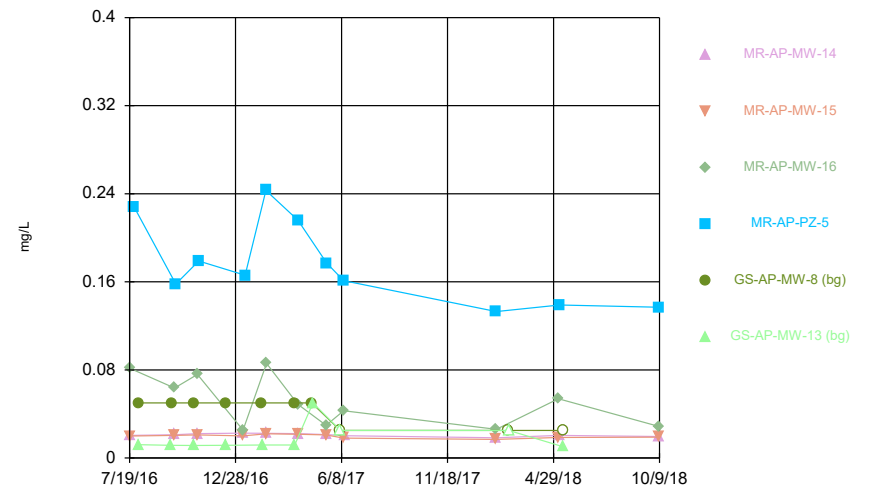
Time Series



Constituent: Lithium Analysis Run 12/18/2018 2:38 PM View: Descriptive Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

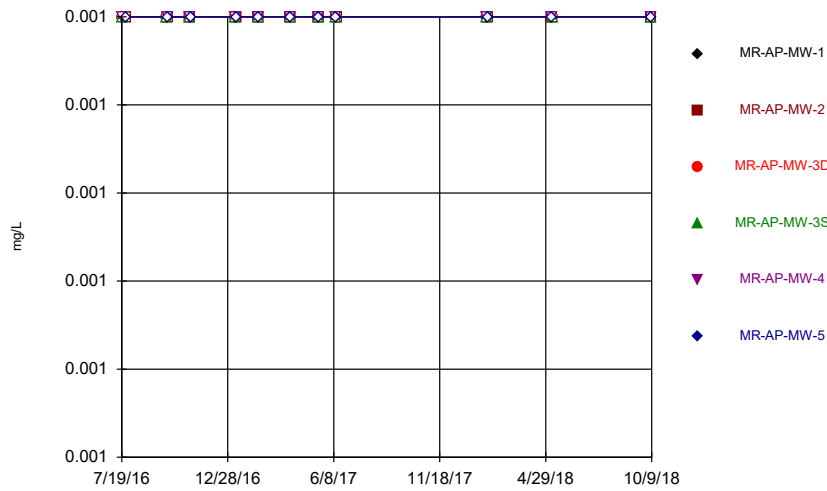
Hollow symbols indicate censored values.

Time Series



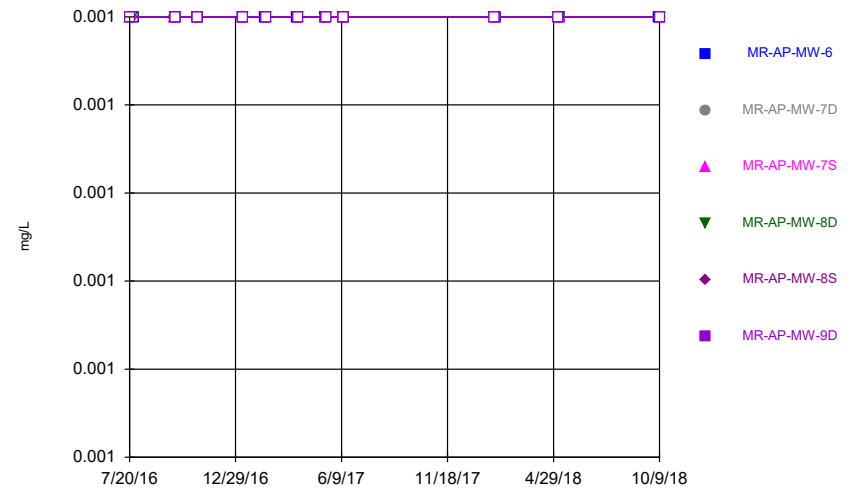
Constituent: Lithium Analysis Run 12/18/2018 2:38 PM View: Descriptive Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



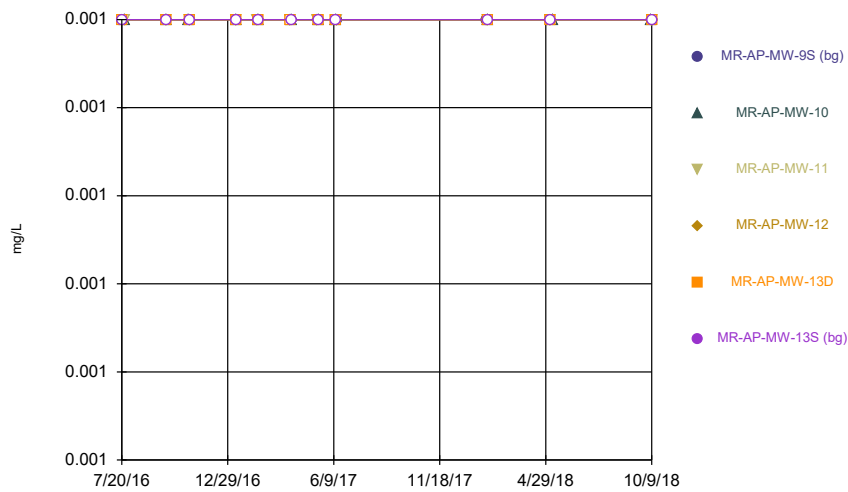
Constituent: Mercury Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



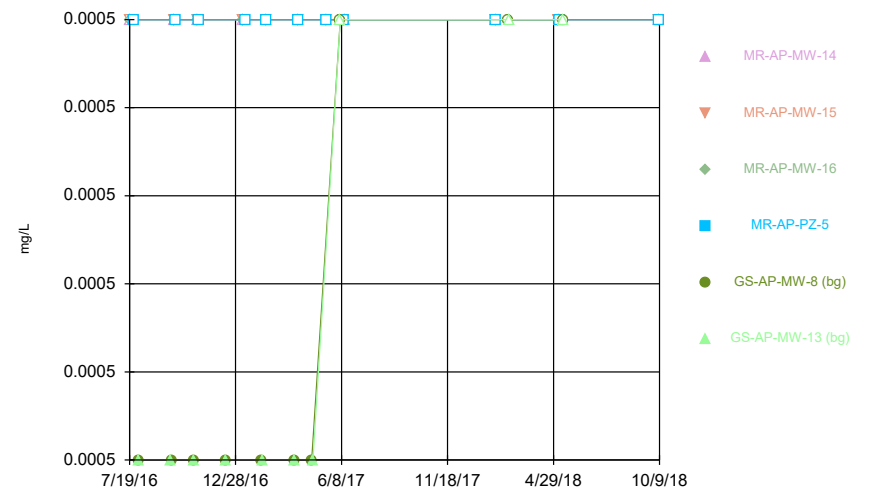
Constituent: Mercury Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



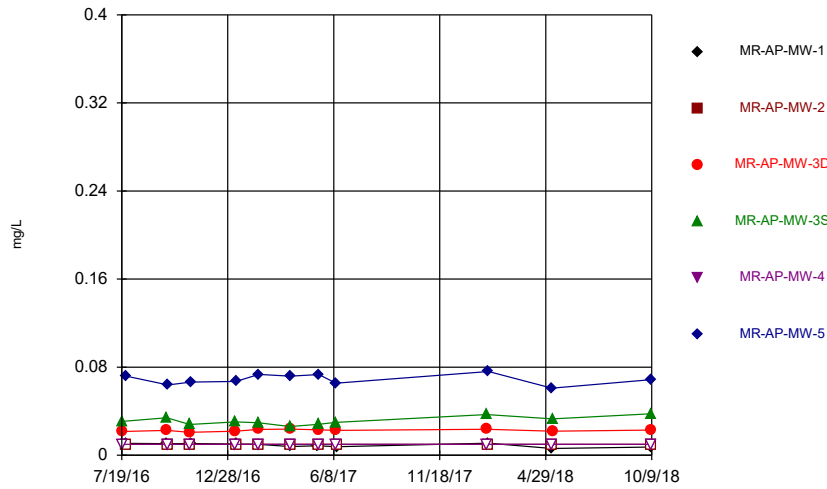
Constituent: Mercury Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



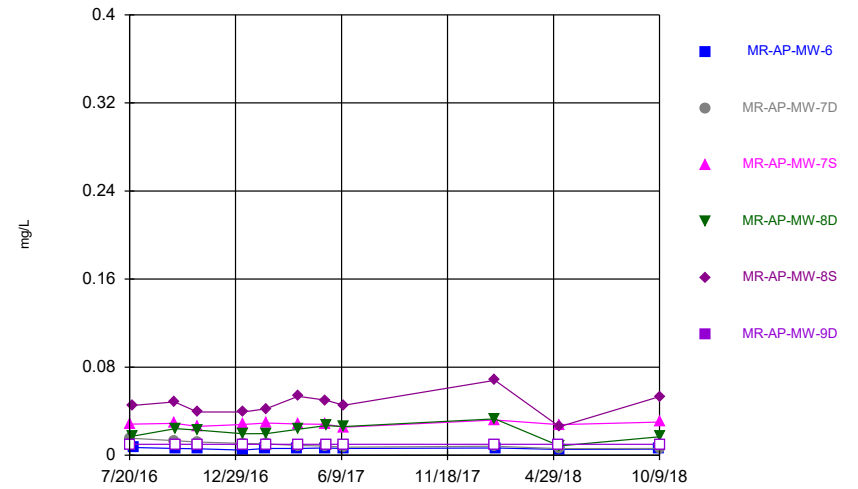
Constituent: Mercury Analysis Run 12/18/2018 2:38 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



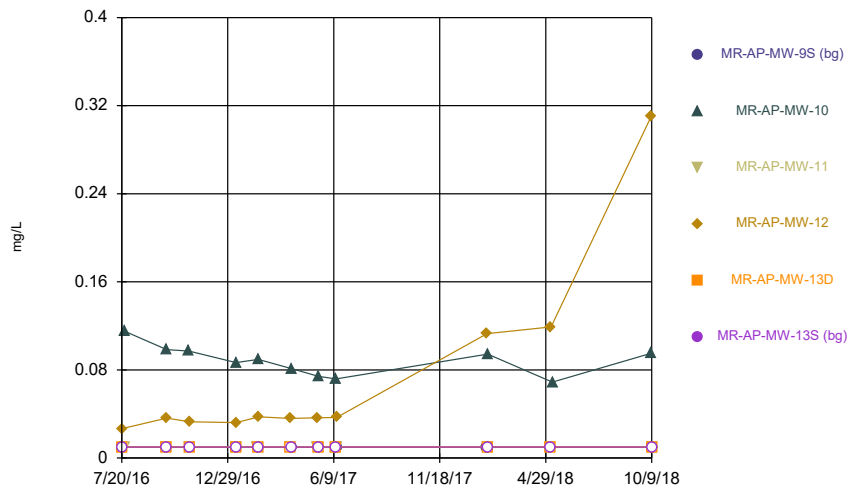
Constituent: Molybdenum Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



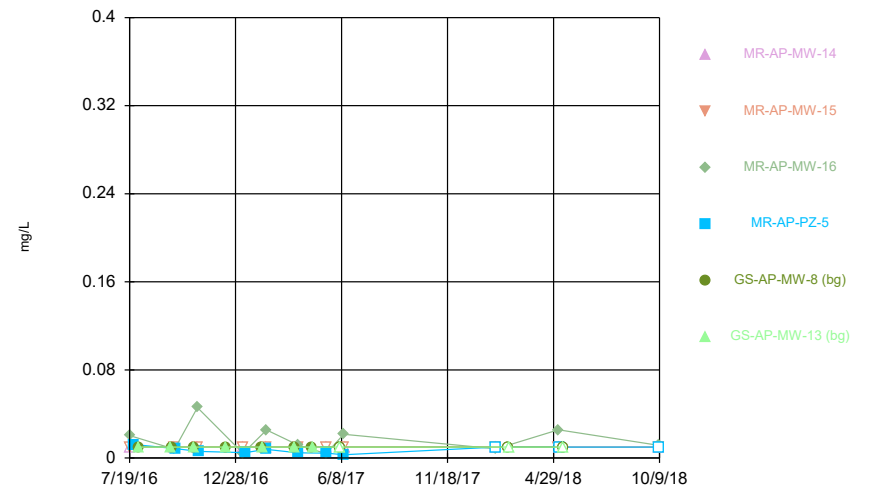
Constituent: Molybdenum Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



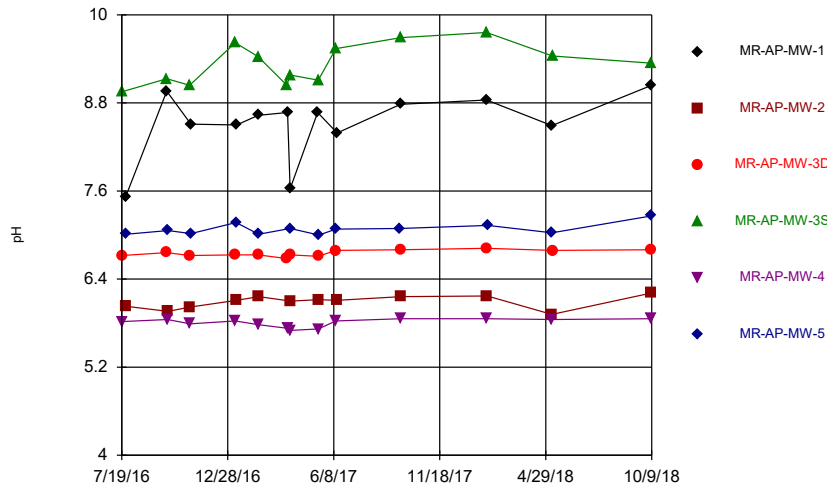
Constituent: Molybdenum Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



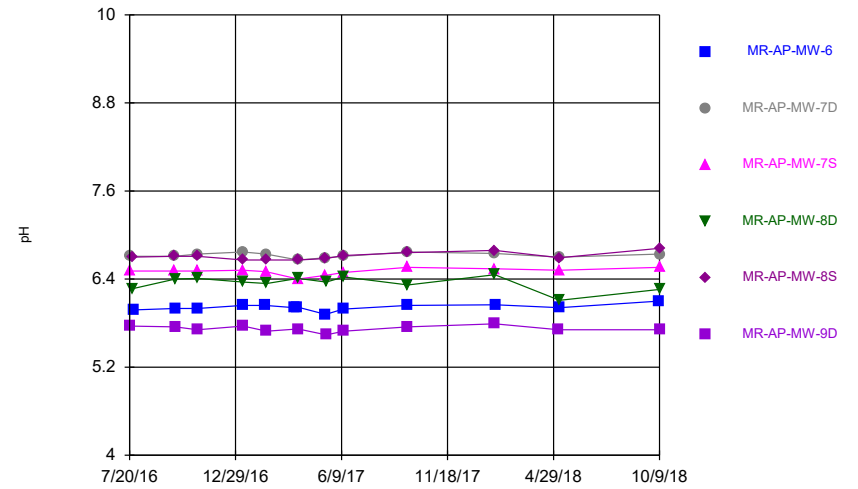
Constituent: Molybdenum Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



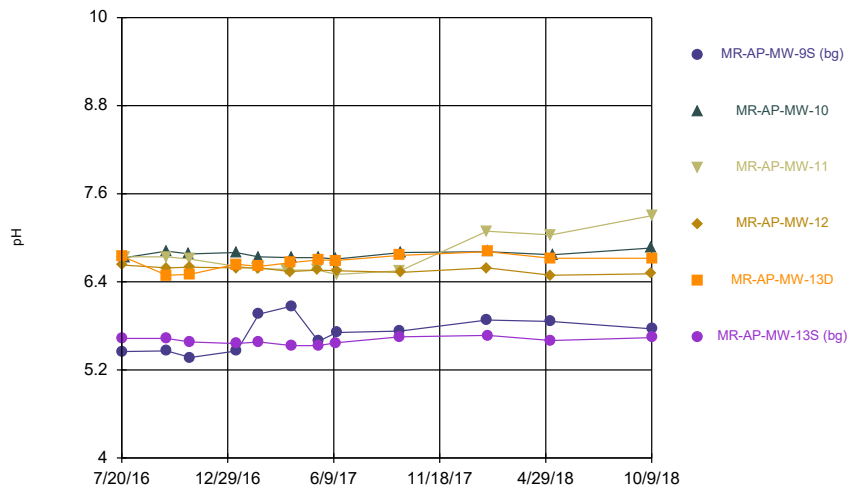
Constituent: pH Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



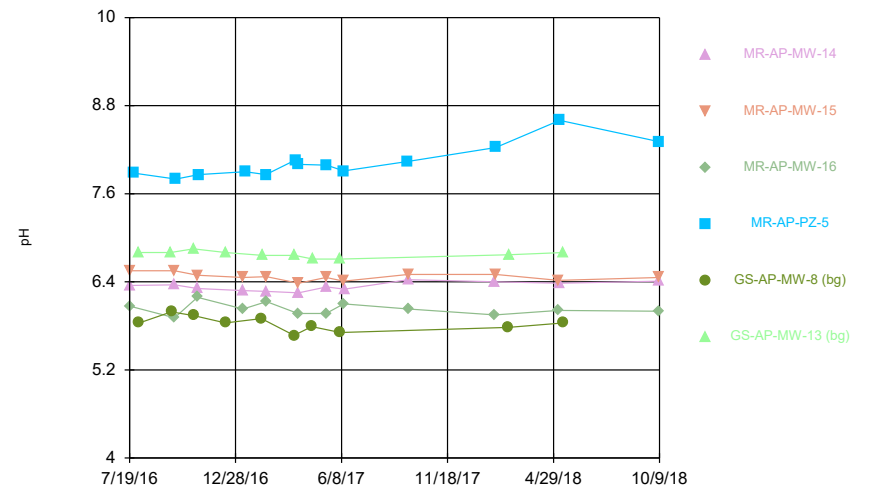
Constituent: pH Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



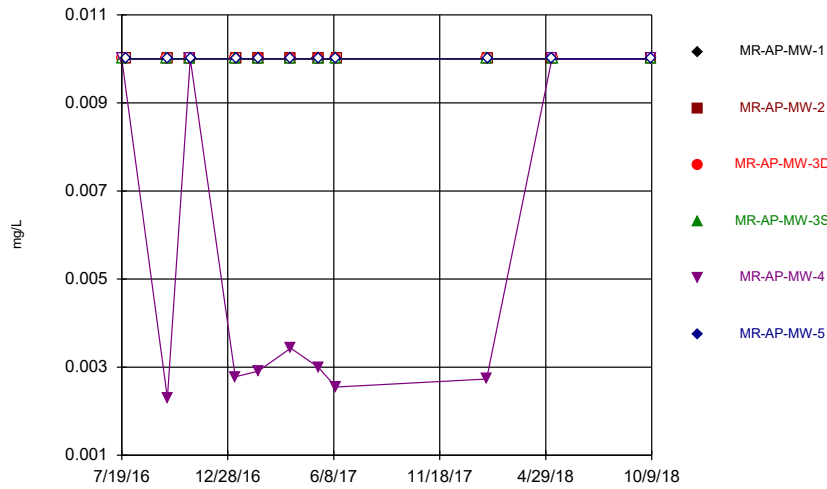
Constituent: pH Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



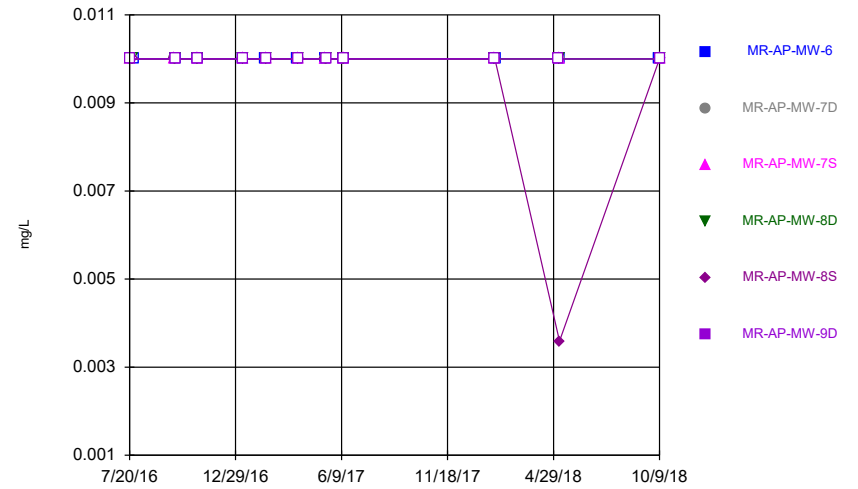
Constituent: pH Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



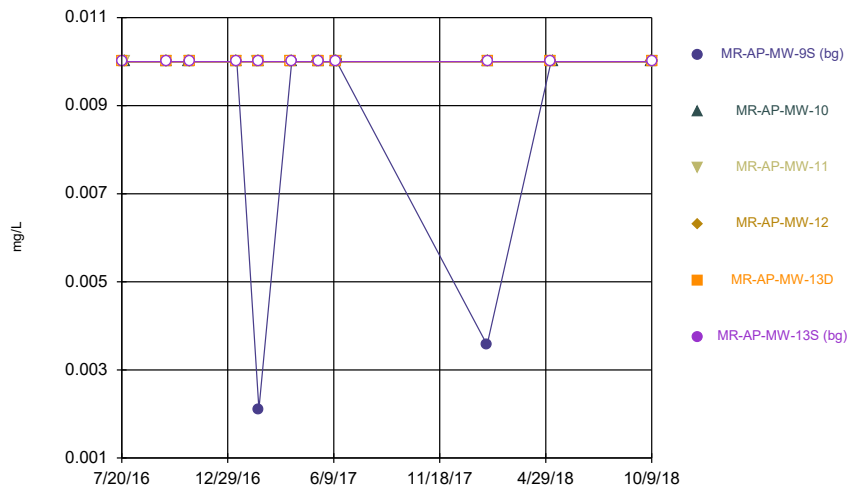
Constituent: Selenium Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



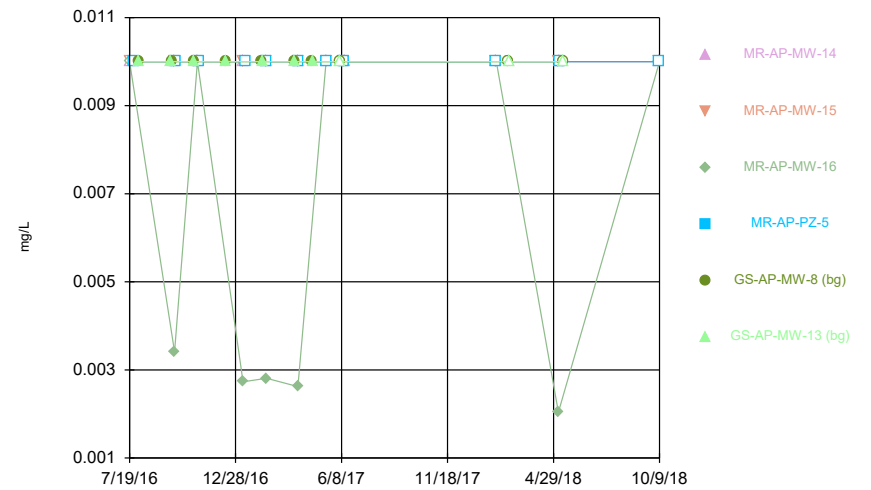
Constituent: Selenium Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



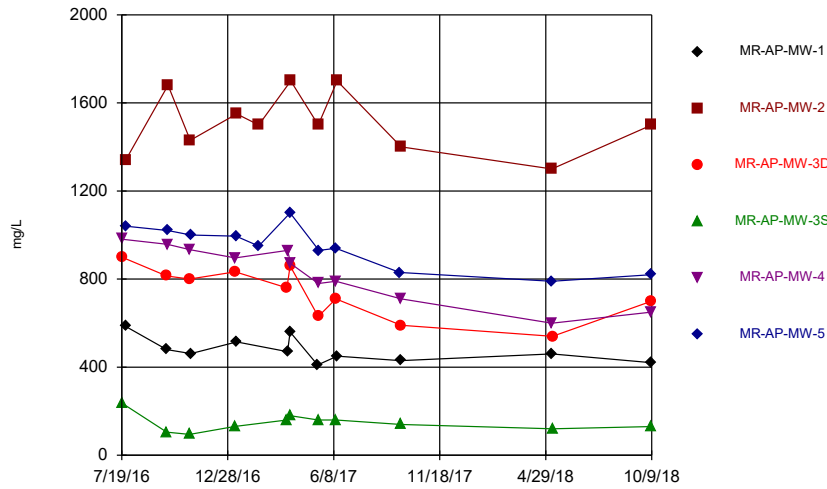
Constituent: Selenium Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



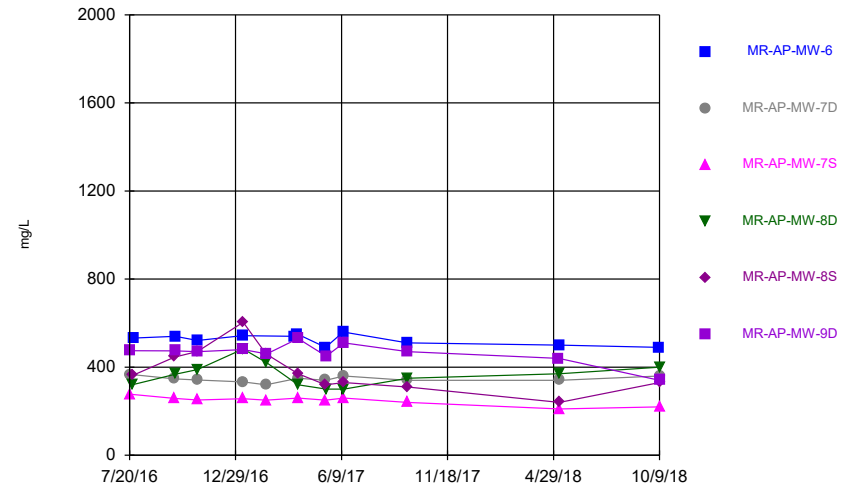
Constituent: Selenium Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



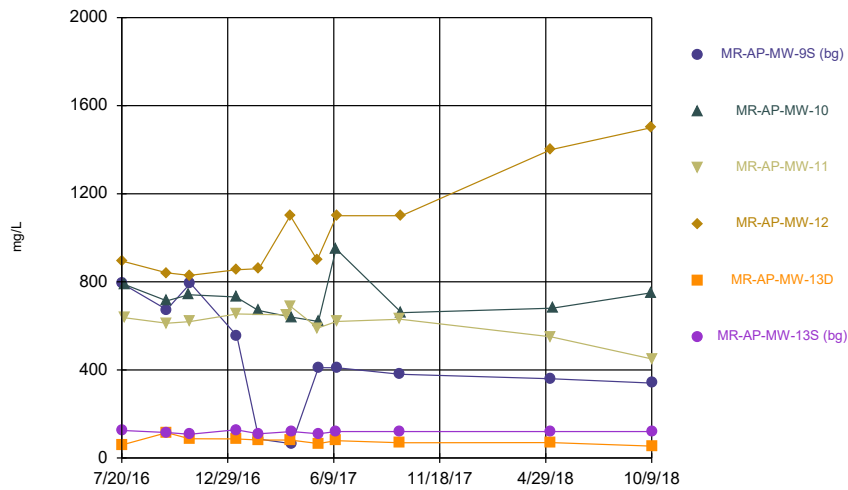
Constituent: Sulfate Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



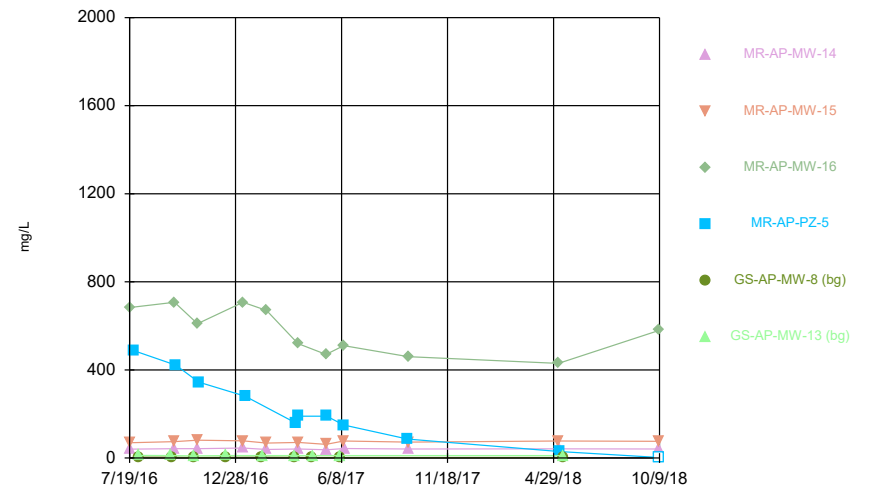
Constituent: Sulfate Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



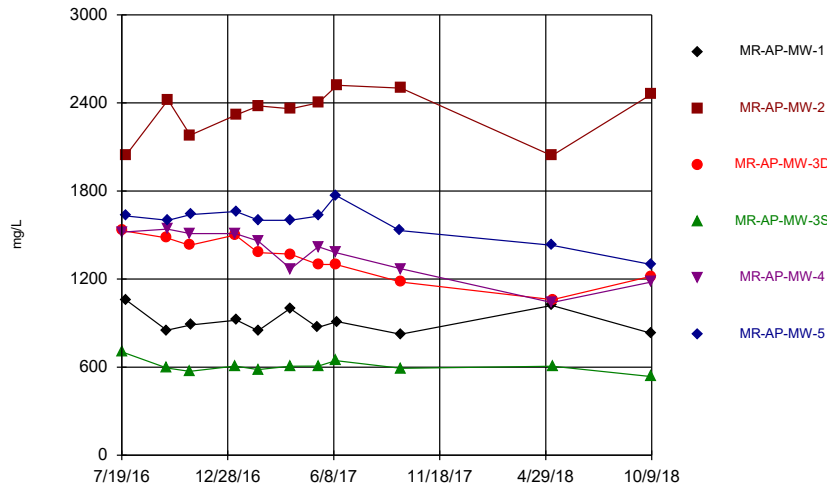
Constituent: Sulfate Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



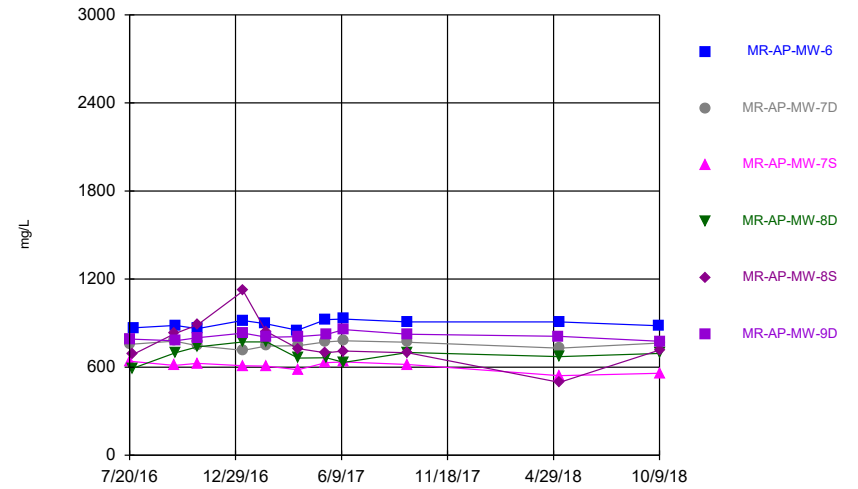
Constituent: Sulfate Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



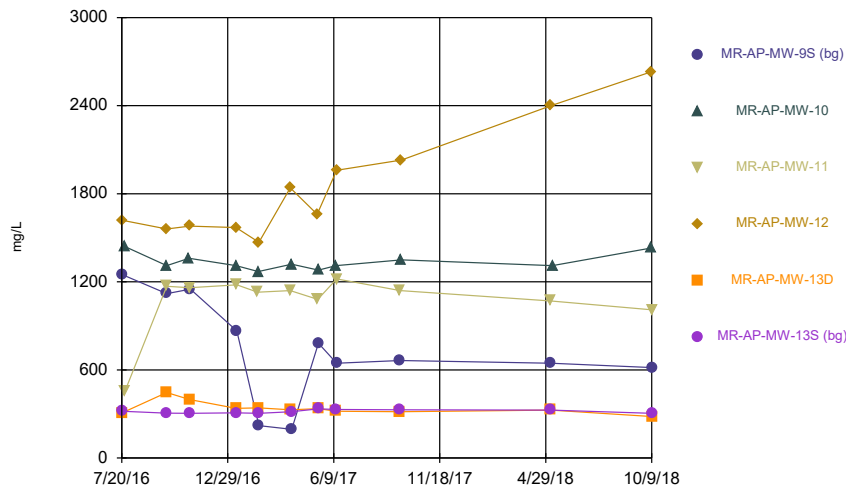
Constituent: TDS Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



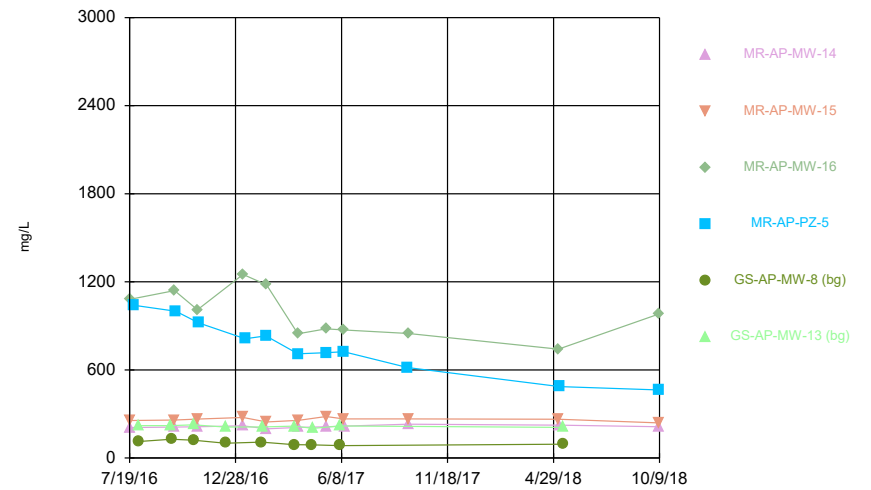
Constituent: TDS Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



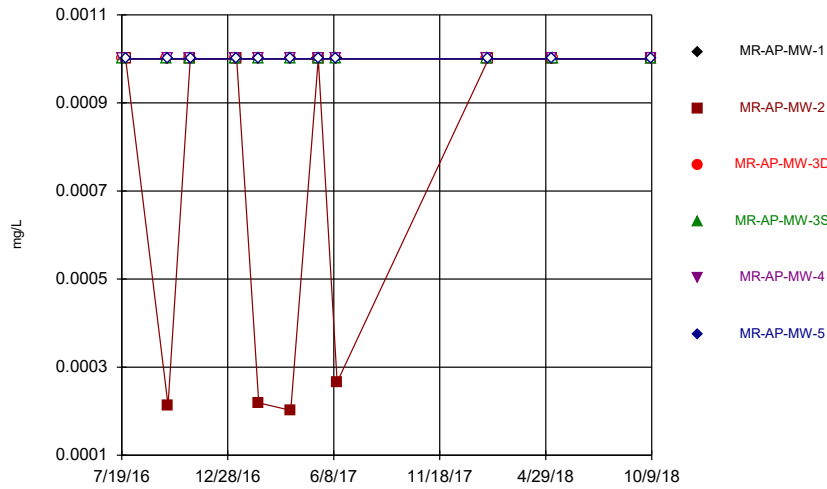
Constituent: TDS Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



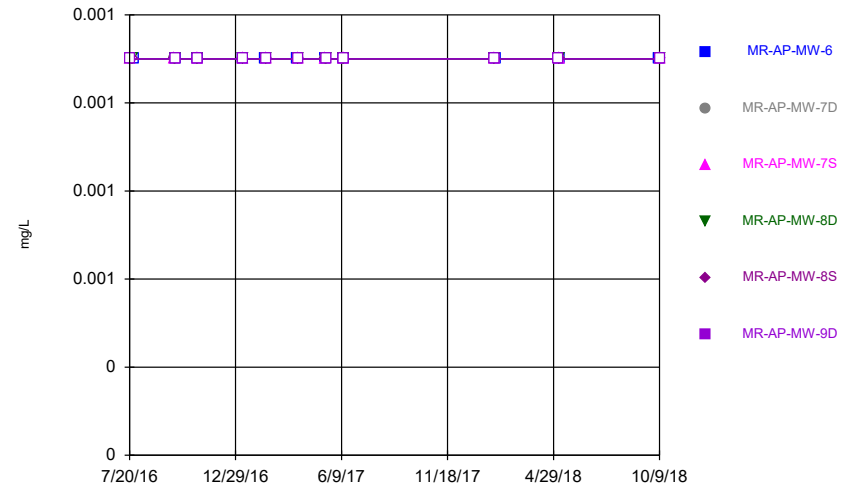
Constituent: TDS Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



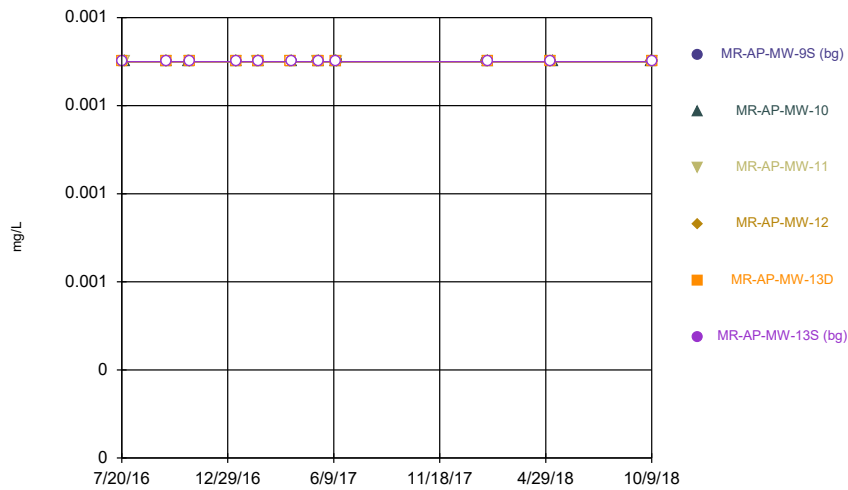
Constituent: Thallium Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



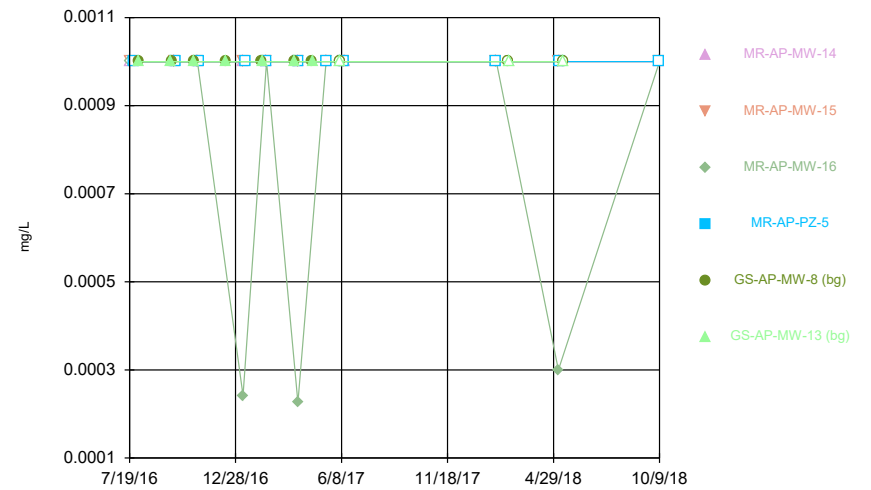
Constituent: Thallium Analysis Run 12/18/2018 2:39 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



Constituent: Thallium Analysis Run 12/18/2018 2:40 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Time Series



Constituent: Thallium Analysis Run 12/18/2018 2:40 PM View: Descriptive
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Upper Tolerance Limits - App IV

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/9/2019, 1:02 PM

| <u>Constituent</u> | <u>Upper Lim.</u> | <u>Bq N</u> | <u>Bq 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) | 0.003 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Arsenic (mg/L) | 0.005 | 42 | n/a | n/a | 40.48 | n/a | n/a | 0.116 | NP Inter(normal... |
| Barium (mg/L) | 0.189 | 42 | n/a | n/a | 0 | n/a | n/a | 0.116 | NP Inter(normal... |
| Beryllium (mg/L) | 0.003 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Boron (mg/L) | 0.437 | 40 | n/a | n/a | 10 | n/a | n/a | 0.1285 | NP Inter(normal... |
| Cadmium (mg/L) | 0.001 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Chromium (mg/L) | 0.01 | 42 | n/a | n/a | 64.29 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Cobalt (mg/L) | 0.0216 | 42 | n/a | n/a | 54.76 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Combined Radium 226 + 228 (pCi/L) | 5 | 42 | n/a | n/a | 23.81 | n/a | n/a | 0.116 | NP Inter(normal... |
| Fluoride (mg/L) | 0.2215 | 44 | 0.1184 | 0.04914 | 4.545 | None | No | 0.05 | Inter |
| Lead (mg/L) | 0.005 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Lithium (mg/L) | 0.1898 | 42 | 0.2406 | 0.09237 | 11.9 | None | sqrt(x) | 0.05 | Inter |
| Mercury (mg/L) | 0.0005 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Molybdenum (mg/L) | 0.01 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Selenium (mg/L) | 0.01 | 42 | n/a | n/a | 61.9 | n/a | n/a | 0.116 | NP Inter(NDs) |
| Thallium (mg/L) | 0.001 | 42 | n/a | n/a | 66.67 | n/a | n/a | 0.116 | NP Inter(NDs) |

Confidence Intervals - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:42 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|----------------|-------------|------------|------------|------------|------|----|------|-----------|-------|----------------|
| Arsenic (mg/L) | MR-AP-MW-3D | 0.01168 | 0.01048 | 0.01 | Yes | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-5 | 0.01383 | 0.01116 | 0.01 | Yes | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-2 | 0.09254 | 0.06026 | 0.0216 | Yes | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-4 | 0.03959 | 0.02355 | 0.0216 | Yes | 11 | 0 | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-6 | 0.06863 | 0.05833 | 0.0216 | Yes | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-2 | 0.2639 | 0.191 | 0.1898 | Yes | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-5 | 0.307 | 0.221 | 0.1898 | Yes | 11 | 0 | No | 0.006 | NP (normality) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:42 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-----------------------|--------------------|----------------|----------------|-------------|------------|-----------|----------|-----------|-------------|----------------|
| Antimony (mg/L) | MR-AP-MW-1 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-2 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-3D | 0.0015 | 0.000725 | 0.006 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-3S | 0.0015 | 0.000787 | 0.006 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-4 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-5 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-6 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-7D | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-7S | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-8D | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-8S | 0.0015 | 0.00062 | 0.006 | No | 11 | 72.73 | No | 0.006 | NP (normality) |
| Antimony (mg/L) | MR-AP-MW-9D | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-10 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-11 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-12 | 0.0015 | 0.000652 | 0.006 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Antimony (mg/L) | MR-AP-MW-13D | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-14 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-15 | 0.0015 | 0.0015 | 0.006 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-MW-16 | 0.0015 | 0.000801 | 0.006 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | MR-AP-PZ-5 | 0.003899 | 0.001049 | 0.006 | No | 11 | 45.45 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-1 | 0.003325 | 0.001688 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-2 | 0.001968 | 0.00136 | 0.01 | No | 11 | 0 | sqrt(x) | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-3D | 0.01168 | 0.01048 | 0.01 | Yes | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-3S | 0.002455 | 0.00161 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-4 | 0.0025 | 0.0025 | 0.01 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-5 | 0.01383 | 0.01116 | 0.01 | Yes | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-6 | 0.0025 | 0.0025 | 0.01 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-7D | 0.001914 | 0.001558 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-7S | 0.0026 | 0.002264 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-8D | 0.0025 | 0.00116 | 0.01 | No | 11 | 36.36 | No | 0.006 | NP (normality) |
| Arsenic (mg/L) | MR-AP-MW-8S | 0.0025 | 0.0025 | 0.01 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-9D | 0.002226 | 0.001929 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-10 | 0.002663 | 0.00213 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-11 | 0.0025 | 0.0025 | 0.01 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-12 | 0.002113 | 0.001721 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-13D | 0.002625 | 0.001786 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Arsenic (mg/L) | MR-AP-MW-14 | 0.0025 | 0.0025 | 0.01 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-15 | 0.0025 | 0.0025 | 0.01 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-MW-16 | 0.0025 | 0.00159 | 0.01 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | MR-AP-PZ-5 | 0.004421 | 0.002064 | 0.01 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-1 | 0.09687 | 0.06077 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-2 | 0.02077 | 0.01463 | 2 | No | 11 | 0 | ln(x) | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-3D | 0.0282 | 0.0222 | 2 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Barium (mg/L) | MR-AP-MW-3S | 0.1166 | 0.07951 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-4 | 0.01483 | 0.01273 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-5 | 0.01598 | 0.01476 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-6 | 0.02713 | 0.02471 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-7D | 0.03342 | 0.02993 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-7S | 0.03939 | 0.03488 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-8D | 0.04741 | 0.03296 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-8S | 0.0293 | 0.01845 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-9D | 0.0138 | 0.0114 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-10 | 0.01508 | 0.01212 | 2 | No | 11 | 0 | x^(1/3) | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-11 | 0.04041 | 0.02778 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-12 | 0.02413 | 0.01963 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-13D | 0.08429 | 0.06882 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-14 | 0.0826 | 0.06831 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-15 | 0.1128 | 0.07519 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-MW-16 | 0.03617 | 0.02537 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Barium (mg/L) | MR-AP-PZ-5 | 0.1355 | 0.07553 | 2 | No | 11 | 0 | No | 0.01 | Param. |
| Beryllium (mg/L) | MR-AP-MW-1 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-2 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-3D | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-3S | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-4 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-5 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-6 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-7D | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:42 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|------------------|--------------|------------|------------|------------|------|----|-------|-----------|-------|----------------|
| Beryllium (mg/L) | MR-AP-MW-7S | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-8D | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-8S | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-9D | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-10 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-11 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-12 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-13D | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-14 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-15 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-MW-16 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Beryllium (mg/L) | MR-AP-PZ-5 | 0.0015 | 0.0015 | 0.004 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Boron (mg/L) | MR-AP-MW-1 | 0.07177 | 0.05209 | 4 | No | 11 | 0 | ln(x) | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-2 | 0.154 | 0.1094 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-3D | 0.5602 | 0.4761 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-3S | 0.1946 | 0.1819 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-4 | 0.5506 | 0.4778 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-5 | 0.9277 | 0.8595 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-6 | 0.8772 | 0.8259 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-7D | 0.753 | 0.7156 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-7S | 0.7182 | 0.6738 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-8D | 1.142 | 0.9547 | 4 | No | 11 | 0 | x^2 | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-8S | 1.748 | 1.35 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-9D | 0.7291 | 0.6702 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-10 | 3.273 | 2.838 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-11 | 0.0319 | 0.0252 | 4 | No | 11 | 9.091 | No | 0.006 | NP (normality) |
| Boron (mg/L) | MR-AP-MW-12 | 5.61 | 2.04 | 4 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Boron (mg/L) | MR-AP-MW-13D | 0.09323 | 0.06466 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-14 | 0.1573 | 0.1158 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-15 | 0.2166 | 0.1587 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-MW-16 | 3.034 | 2.437 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Boron (mg/L) | MR-AP-PZ-5 | 0.4606 | 0.4212 | 4 | No | 11 | 0 | No | 0.01 | Param. |
| Cadmium (mg/L) | MR-AP-MW-1 | 0.0005 | 0.000372 | 0.005 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-2 | 0.0005 | 0.000219 | 0.005 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-3D | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-3S | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-4 | 0.0005 | 0.00021 | 0.005 | No | 11 | 27.27 | No | 0.006 | NP (normality) |
| Cadmium (mg/L) | MR-AP-MW-5 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-6 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-7D | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-7S | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-8D | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-8S | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-9D | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-10 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-11 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-12 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-13D | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-14 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-15 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-MW-16 | 0.0005 | 0.000208 | 0.005 | No | 11 | 81.82 | No | 0.006 | NP (NDs) |
| Cadmium (mg/L) | MR-AP-PZ-5 | 0.0005 | 0.0005 | 0.005 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-1 | 0.009338 | 0.002992 | 0.1 | No | 11 | 9.091 | sqrt(x) | 0.01 | Param. |
| Chromium (mg/L) | MR-AP-MW-2 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-3D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-3S | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-4 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-5 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-6 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-7D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-7S | 0.005 | 0.00207 | 0.1 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-8D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-8S | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-9D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-10 | 0.005 | 0.005 | 0.1 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-11 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-12 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-13D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:42 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-----------------------------------|-------------------|----------------|----------------|---------------|------------|-----------|----------|------------|-------------|------------------|
| Chromium (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-MW-16 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | MR-AP-PZ-5 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-1 | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-2 | 0.09254 | 0.06026 | 0.0216 | Yes | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-3D | 0.008521 | 0.006434 | 0.0216 | No | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-3S | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-4 | 0.03959 | 0.02355 | 0.0216 | Yes | 11 | 0 | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-5 | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-6 | 0.06863 | 0.05833 | 0.0216 | Yes | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-7D | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-7S | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-8D | 0.004606 | 0.002952 | 0.0216 | No | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-8S | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-9D | 0.01959 | 0.01621 | 0.0216 | No | 11 | 0 | No | 0.01 | Param. |
| Cobalt (mg/L) | MR-AP-MW-10 | 0.005 | 0.00209 | 0.0216 | No | 11 | 36.36 | No | 0.006 | NP (normality) |
| Cobalt (mg/L) | MR-AP-MW-11 | 0.005 | 0.00227 | 0.0216 | No | 11 | 81.82 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-12 | 0.005 | 0.00211 | 0.0216 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-13D | 0.005 | 0.0021 | 0.0216 | No | 11 | 81.82 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-14 | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-15 | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Cobalt (mg/L) | MR-AP-MW-16 | 0.0389 | 0.00228 | 0.0216 | No | 11 | 36.36 | No | 0.006 | NP (normality) |
| Cobalt (mg/L) | MR-AP-PZ-5 | 0.005 | 0.0025 | 0.0216 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-1 | 2.5 | 0.338 | 5 | No | 10 | 60 | No | 0.011 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-2 | 2.5 | 0.301 | 5 | No | 11 | 45.45 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-3D | 2.5 | 0.147 | 5 | No | 11 | 45.45 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-3S | 2.5 | -0.0676 | 5 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-4 | 2.5 | -0.00808 | 5 | No | 11 | 45.45 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-5 | 2.5 | 0.38 | 5 | No | 11 | 54.55 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-6 | 2.5 | 0.106 | 5 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-7D | 2.5 | 0.218 | 5 | No | 11 | 36.36 | No | 0.006 | NP (Cohens/xfrm) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-7S | 2.5 | 0.248 | 5 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-8D | 2.5 | -0.113 | 5 | No | 11 | 45.45 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-8S | 2.5 | 0.047 | 5 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-9D | 2.5 | 0.0739 | 5 | No | 11 | 54.55 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-10 | 2.5 | 0.193 | 5 | No | 11 | 45.45 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-11 | 2.5 | 0.0757 | 5 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-12 | 2.5 | 0.366 | 5 | No | 11 | 45.45 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-13D | 2.5 | 0.441 | 5 | No | 11 | 72.73 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-14 | 2.5 | 0.631 | 5 | No | 11 | 72.73 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-15 | 2.5 | 0.516 | 5 | No | 11 | 54.55 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-MW-16 | 2.5 | 0.444 | 5 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | MR-AP-PZ-5 | 2.5 | 0.171 | 5 | No | 11 | 72.73 | No | 0.006 | NP (normality) |
| Fluoride (mg/L) | MR-AP-MW-1 | 0.1675 | 0.1113 | 4 | No | 12 | 8.333 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-2 | 0.2062 | 0.0464 | 4 | No | 12 | 16.67 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-3D | 0.3473 | 0.214 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-3S | 0.2928 | 0.1924 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-4 | 0.2962 | 0.2169 | 4 | No | 12 | 0 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-5 | 0.361 | 0.222 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-6 | 0.2087 | 0.06 | 4 | No | 12 | 16.67 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-7D | 0.1224 | 0.06881 | 4 | No | 12 | 8.333 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-7S | 0.2213 | 0.1245 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-8D | 0.328 | 0.2022 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-8S | 0.5304 | 0.3379 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-9D | 0.1498 | 0.08538 | 4 | No | 12 | 8.333 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-10 | 0.4288 | 0.3037 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-11 | 0.1517 | 0.1113 | 4 | No | 12 | 8.333 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-12 | 0.7129 | 0.5608 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-13D | 0.151 | 0.08946 | 4 | No | 12 | 8.333 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-14 | 0.1844 | 0.1112 | 4 | No | 12 | 8.333 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-15 | 0.1244 | 0.08216 | 4 | No | 12 | 8.333 | x^2 | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-MW-16 | 0.1693 | 0.119 | 4 | No | 12 | 8.333 | No | 0.01 | Param. |
| Fluoride (mg/L) | MR-AP-PZ-5 | 1.134 | 0.8099 | 4 | No | 12 | 0 | No | 0.01 | Param. |
| Lead (mg/L) | MR-AP-MW-1 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-2 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-3D | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-3S | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:42 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-----------------------|-------------------|---------------|--------------|---------------|------------|-----------|----------|-----------|--------------|-----------------------|
| Lead (mg/L) | MR-AP-MW-4 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-5 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-6 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-7D | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-7S | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-8D | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-8S | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-9D | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-10 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-11 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-12 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-13D | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-14 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-15 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-MW-16 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lead (mg/L) | MR-AP-PZ-5 | 0.0025 | 0.0025 | 0.015 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Lithium (mg/L) | MR-AP-MW-1 | 0.1845 | 0.1333 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-2 | 0.2639 | 0.191 | 0.1898 | Yes | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-3D | 0.163 | 0.11 | 0.1898 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-3S | 0.2146 | 0.159 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-4 | 0.117 | 0.0907 | 0.1898 | No | 11 | 0 | x^(1/3) | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-5 | 0.307 | 0.221 | 0.1898 | Yes | 11 | 0 | No | 0.006 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-6 | 0.09174 | 0.07639 | 0.1898 | No | 11 | 0 | sqrt(x) | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-7D | 0.1268 | 0.1039 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-7S | 0.18 | 0.14 | 0.1898 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-8D | 0.04909 | 0.03795 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-8S | 0.0462 | 0.03056 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-9D | 0.089 | 0.0693 | 0.1898 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-10 | 0.1929 | 0.1649 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-11 | 0.246 | 0.108 | 0.1898 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-12 | 0.274 | 0.178 | 0.1898 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Lithium (mg/L) | MR-AP-MW-13D | 0.04418 | 0.0376 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-14 | 0.02211 | 0.01989 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-15 | 0.02121 | 0.01859 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-MW-16 | 0.07019 | 0.03199 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Lithium (mg/L) | MR-AP-PZ-5 | 0.2075 | 0.1447 | 0.1898 | No | 11 | 0 | No | 0.01 | Param. |
| Mercury (mg/L) | MR-AP-MW-1 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-2 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-3D | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-3S | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-4 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-5 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-6 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-7D | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-7S | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-8D | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-8S | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-9D | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-10 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-11 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-12 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-13D | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-14 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-15 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-MW-16 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Mercury (mg/L) | MR-AP-PZ-5 | 0.00025 | 0.00025 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-1 | 0.01054 | 0.007805 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-2 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-3D | 0.02335 | 0.02181 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-3S | 0.03442 | 0.0282 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-4 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-5 | 0.07288 | 0.0651 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-6 | 0.00659 | 0.00551 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-7D | 0.0122 | 0.00721 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-7S | 0.02991 | 0.02696 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-8D | 0.02703 | 0.0163 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-8S | 0.05527 | 0.03759 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-9D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |

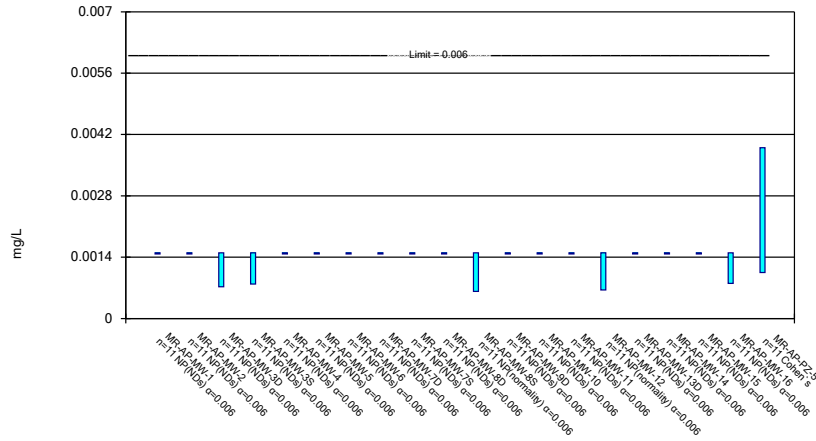
Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb Printed 1/31/2019, 12:42 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. | N | %NDs | Transform | Alpha | Method |
|-------------------|--------------|------------|------------|------------|------|----|-------|-----------|-------|------------------|
| Molybdenum (mg/L) | MR-AP-MW-10 | 0.0998 | 0.07698 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-MW-11 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-12 | 0.119 | 0.0267 | 0.1 | No | 11 | 0 | No | 0.006 | NP (normality) |
| Molybdenum (mg/L) | MR-AP-MW-13D | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.1 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Molybdenum (mg/L) | MR-AP-MW-16 | 0.02737 | 0.006606 | 0.1 | No | 11 | 0 | No | 0.01 | Param. |
| Molybdenum (mg/L) | MR-AP-PZ-5 | 0.00843 | 0.003 | 0.1 | No | 11 | 27.27 | No | 0.006 | NP (Cohens/xfrm) |
| Selenium (mg/L) | MR-AP-MW-1 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-2 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-3D | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-3S | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-4 | 0.005 | 0.0023 | 0.05 | No | 11 | 36.36 | No | 0.006 | NP (normality) |
| Selenium (mg/L) | MR-AP-MW-5 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-6 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-7D | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-7S | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-8D | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-8S | 0.005 | 0.00359 | 0.05 | No | 11 | 90.91 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-9D | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-10 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-11 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-12 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-13D | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-14 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-15 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Selenium (mg/L) | MR-AP-MW-16 | 0.005 | 0.00204 | 0.05 | No | 11 | 54.55 | No | 0.006 | NP (normality) |
| Selenium (mg/L) | MR-AP-PZ-5 | 0.005 | 0.005 | 0.05 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-1 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-2 | 0.0005 | 0.000202 | 0.002 | No | 11 | 63.64 | No | 0.006 | NP (normality) |
| Thallium (mg/L) | MR-AP-MW-3D | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-3S | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-4 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-5 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-6 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-7D | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-7S | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-8D | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-8S | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-9D | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-10 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-11 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-12 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-13D | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-14 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-15 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |
| Thallium (mg/L) | MR-AP-MW-16 | 0.0005 | 0.000226 | 0.002 | No | 11 | 72.73 | No | 0.006 | NP (normality) |
| Thallium (mg/L) | MR-AP-PZ-5 | 0.0005 | 0.0005 | 0.002 | No | 11 | 100 | No | 0.006 | NP (NDs) |

Parametric and Non-Parametric (NP) Confidence Interval

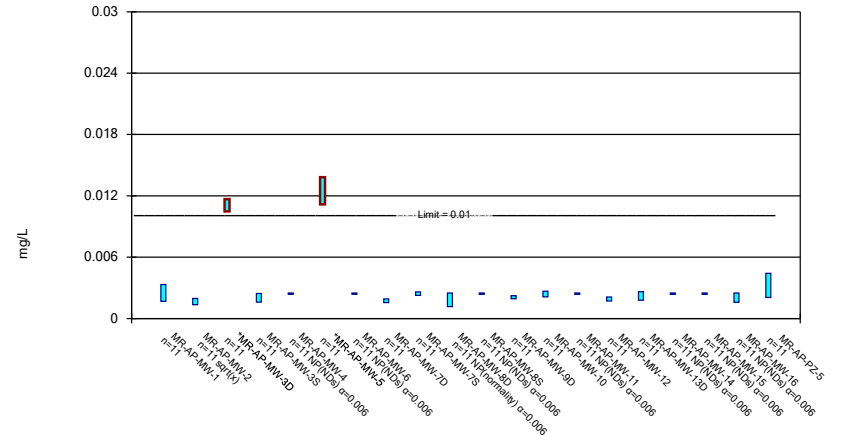
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Antimony Analysis Run 1/31/2019 12:37 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

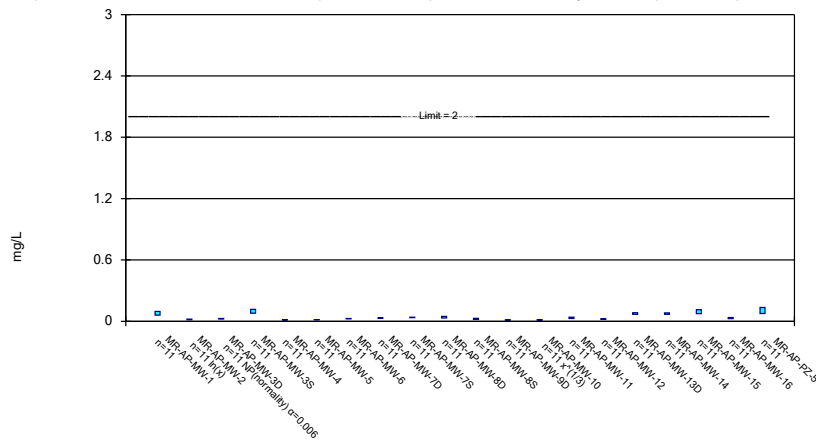
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 1/31/2019 12:37 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

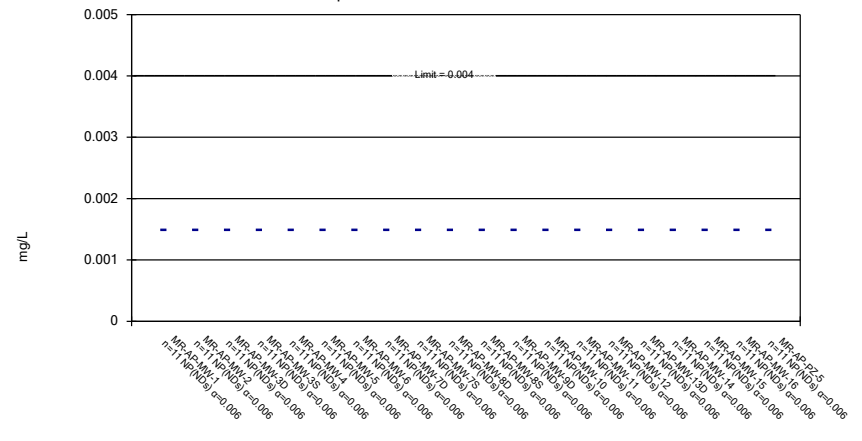
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 1/31/2019 12:37 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

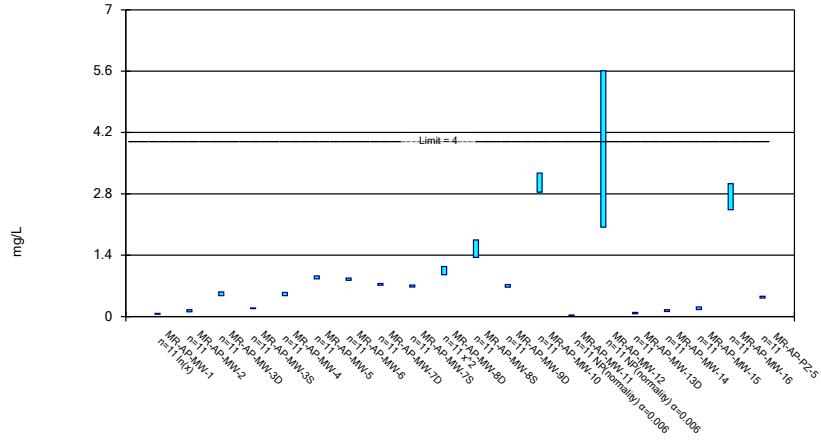
Compliance Limit is not exceeded.



Constituent: Beryllium Analysis Run 1/31/2019 12:37 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

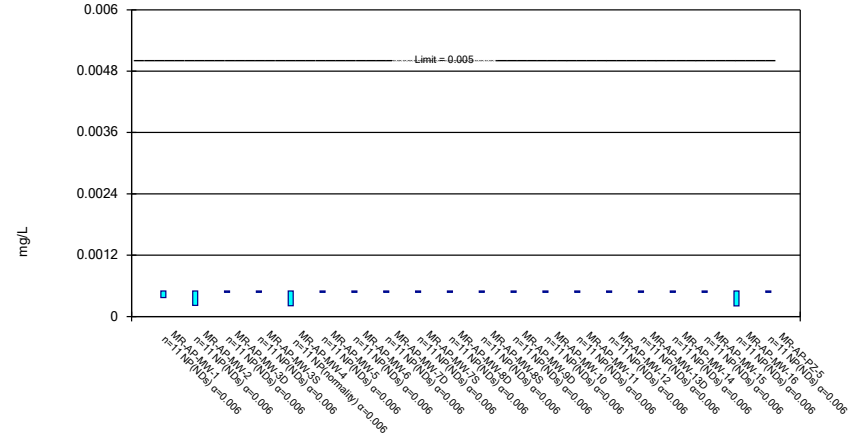
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Boron Analysis Run 1/31/2019 12:37 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

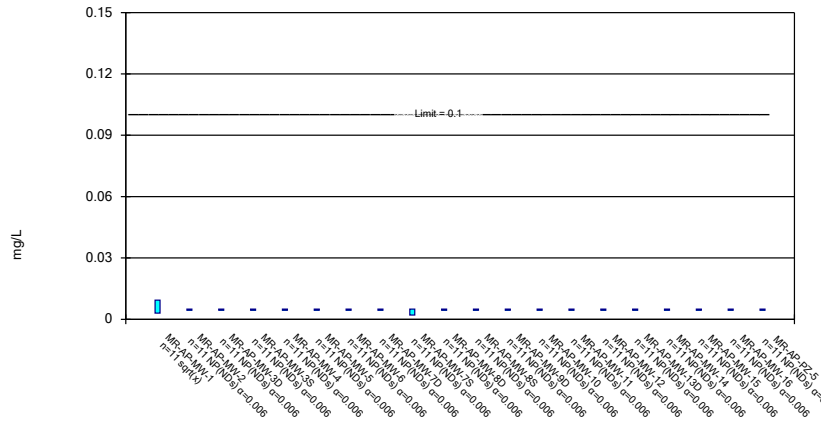
Compliance Limit is not exceeded.



Constituent: Cadmium Analysis Run 1/31/2019 12:37 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

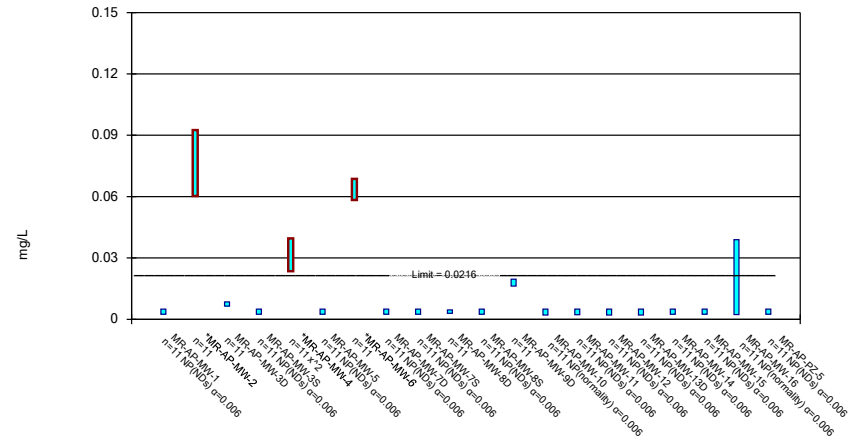
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 1/31/2019 12:38 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

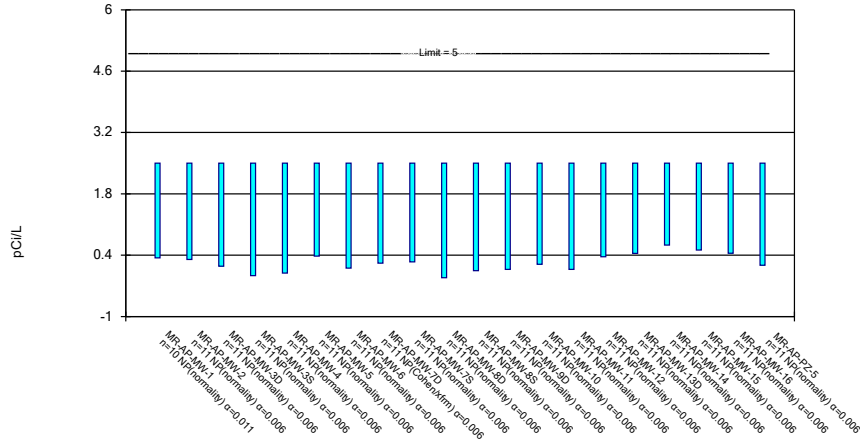
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 1/31/2019 12:38 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

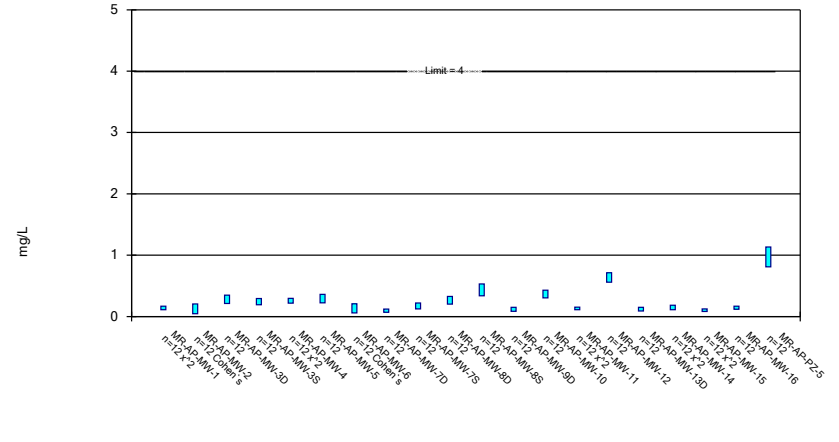
Compliance Limit is not exceeded.



Constituent: Combined Radium 226 + 228 Analysis Run 1/31/2019 12:38 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric Confidence Interval

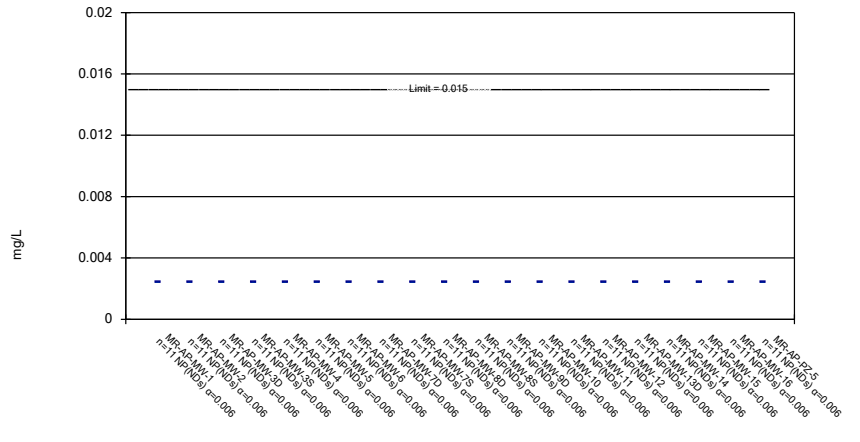
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/31/2019 12:38 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

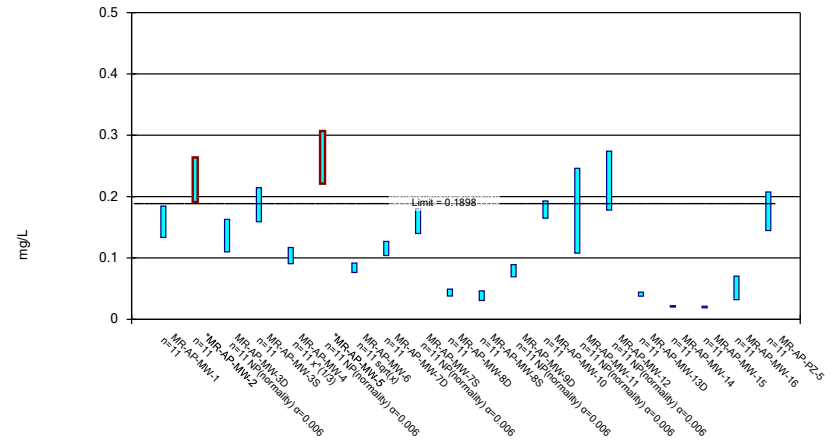
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 1/31/2019 12:38 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

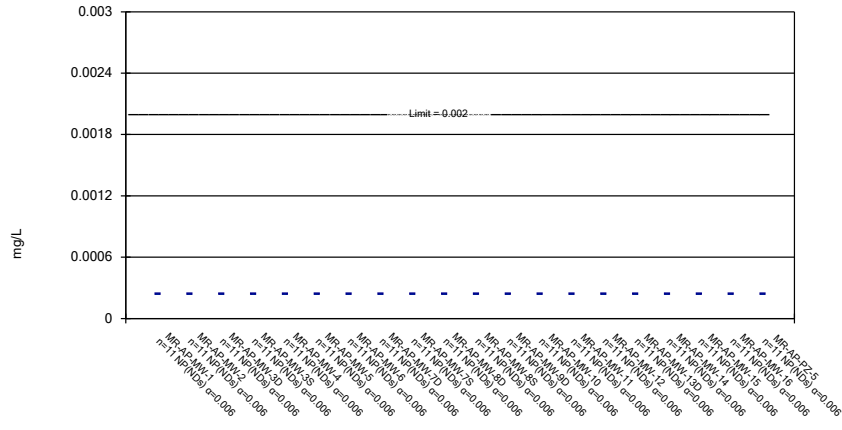
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/31/2019 12:38 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

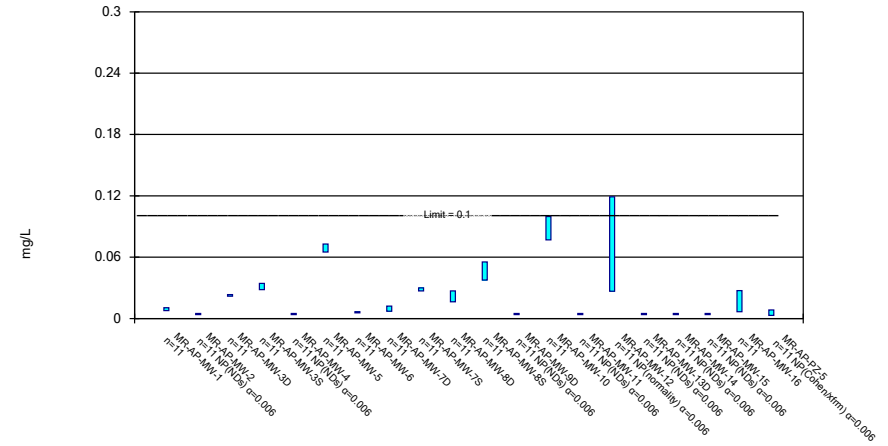
Compliance Limit is not exceeded.



Constituent: Mercury Analysis Run 1/31/2019 12:39 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Parametric and Non-Parametric (NP) Confidence Interval

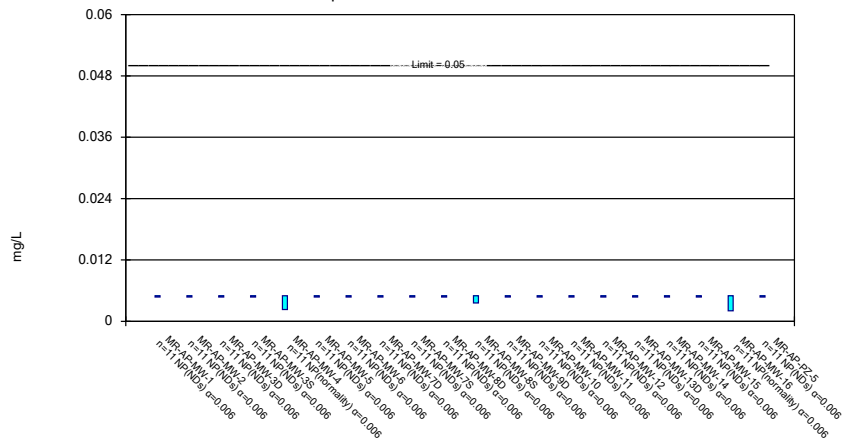
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 1/31/2019 12:39 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

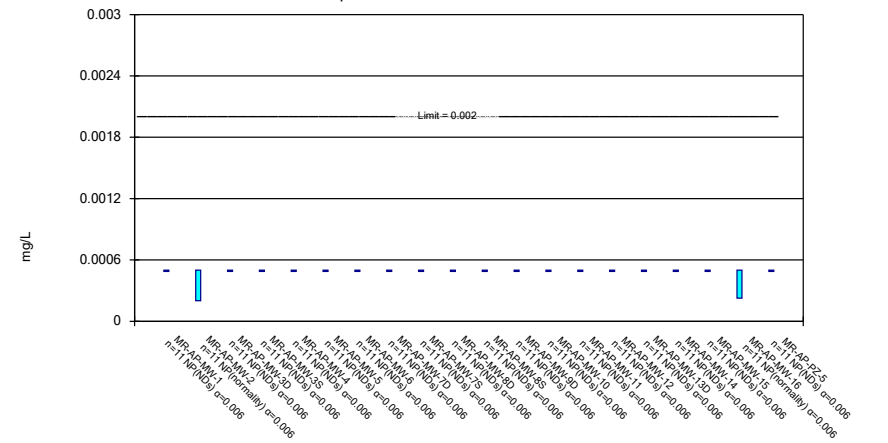
Compliance Limit is not exceeded.



Constituent: Selenium Analysis Run 1/31/2019 12:39 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Thallium Analysis Run 1/31/2019 12:39 PM View: Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond.mdb