2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ALABAMA POWER COMPANY
PLANT MILLER
ASH POND

January 31, 2023

Prepared for

Alabama Power Company
Birmingham, Alabama

By

Southern Company Services
Earth Science and Environmental Engineering

CERTIFICATION STATEMENT

This *2022 Annual Groundwater Monitoring and Corrective Action Report, Alabama Power Company - Plant Miller Ash Pond* has been prepared in accordance with the United States Environmental Protection Agency's coal combustion residual rule (40 CFR Part 257, Subpart D) and ADEM Admin. Code r. 335-13-15 under the supervision of a licensed professional engineer in the State of Alabama. As such, I certify that the information contained herein is true and accurate to the best of my knowledge.

1/31/2023

Gregory B. Dyer, PG Date

AL Registered Professional Geologist No. 1471

1/31/2023

Gregory Whetstone, PE Date

AL Registered Professional Engineer No. 27885

EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D) and the State of Alabama Department of Environmental Management (ADEM) Admin. Code Ch. 335-13-15, this 2022 Annual Groundwater Monitoring and Corrective Action Report has been prepared to document 2022 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)(e). Semi-annual monitoring and associated reporting for Plant Miller Ash Pond is performed in accordance with the monitoring requirements § 257.90 through § 257.98 and ADEM Admin. Code r. 335-13-15-.06(1) through r. 335-13-15-.06(9).

The CCR unit began the monitoring period in corrective action pursuant to § 257.98 and ADEM Admin. Code r. 335-13-15-.06(9). Statistically significant increases (SSI) of Appendix III constituents over background were identified in the results of the first detection monitoring event and assessment monitoring was initiated in January 2018. Statistically significant levels (SSL) of Appendix IV parameters above groundwater protection standards (GWPS) were identified while in assessment monitoring. Consequently, an assessment of corrective measures (ACM) was initiated on January 13, 2019, and completed on June 12, 2019 according to the requirements of § 257.96, ADEM Admin. Code r. 335-13-15-.06(7), and ADEM Administrative Order No.18-098-GW. The ACM was subsequently submitted to the Agency and posted to the Site CCR compliance web site.

Since the submittal of the ACM, extensive Site investigations have been performed to select effective corrective measures to address SSLs above GWPS. A Groundwater Remedy Selection Report was prepared to meet the requirements of § 257.97, ADEM Admin. Code r. 335-13-15-.06(8), and Part C of AO No.18-098-GW and submitted to ADEM on November 30, 2021. Subsequently, within 90 days of remedy selection a Corrective Action Groundwater Monitoring Program document presenting the groundwater corrective action remedies to be implemented was submitted on February 28, 2022.

SSLs of Appendix IV parameters arsenic, cobalt, lithium, and molybdenum were detected above GWPS during the first and second semi-annual monitoring events of 2022. The following summarizes activities for 2022 groundwater monitoring at the Site:

- Submitted 2021 Annual Groundwater Monitoring and Corrective Action Report on January 31, 2022.
- Submitted the Corrective Action Groundwater Monitoring Program document on February 28, 2022.
- Completed the first semi-annual assessment groundwater monitoring event between February 14, 2022, and March 17, 2022.
- Completed a re-sampling event on May 19, 2022.
- Submitted the Semi-Annual Groundwater Monitoring and Corrective Action Report on July 31, 2022.
- Completed the second semi-annual groundwater monitoring event between August 2, 2022, and September 27, 2022.

The CCR unit concluded the monitoring period in corrective action and APC has begun implementing the selected groundwater remedies identified in the Groundwater Remedy Selection Report submitted to ADEM in November 2021 and as detailed in the Corrective Action Groundwater Monitoring Program document. The following monitoring-related activities are planned for the CCR unit:

- Conduct geogenic study to evaluate source of COI in groundwater at the Site.
- Continue with phase 1 implementation of the Permeation Grouting Pilot Program for the remediation of arsenic, lithium, and molybdenum.
- Installation of near real-time instrumentation for the monitoring of potential changes in field parameter data in response to ash pond closure activities.
- Evaluation of recently collected MNA parameter data.
- Evaluation of molybdenum, south of the Ash Pond, in context of planned Remedial Action strategies.
- Conduct the first semi-annual monitoring event and submit the semi-annual groundwater monitoring report summarizing the findings to ADEM by July 31, 2023.

A **Monitoring Period Summary Table** highlighting program status and significant findings from the most recent annual monitoring period has been included on the next page.

Executive Summary Table.
Monitoring Period Summary
Plant Miller - Ash Pond

Assessment Monitoring Initiated: January 15, 2018

Monitoring Period: January 1 - December 31, 2022

Beginning Status: Corrective Action

Ending Status: Corrective Action

Statistical Analysis Results *

Appendix III SSIs

Parameter	Wells
Boron	MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16.
Calcium	MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16.
Chloride	MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, and MR-AP-MW-15
Fluoride	MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-10, MR-AP-MW-12.
pH	MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW 15, MR-AP-MW-16.
Sulfate	MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16.
TDS	MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16.

Appendix IV SSLs

Parameter	Wells
Arsenic	MR-AP-MW-3D.
Cobalt	MR-AP-MW-2, MR-AP-MW-13SR.
Lithium	MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12.
Molybdenum	MR-AP-MW-10, MR-AP-MW-12.

* See the attached report for further details regarding statistical exceedances.

Assessment of Corrective Measures & Groundwater Remedy

Assessment of Corrective Measures

Date Initiated: January 13, 2019

Date Complete: June 12, 2019

Public Meeting Date: July 7, 2020

Groundwater Remedy

Remedy Selection Date: November 30, 2021

Initiated During Period: Yes

Ongoing During Period: Yes

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ABBREVIATIONS

ACM	Assessment of Corrective Measures
ADEM	Alabama Department of Environmental Management
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
CEC	cation exchange capacity
CFR	Code of Federal Regulations
COC	chain of custody
COI	constituents of interest
CSM	conceptual site model
DO	dissolved oxygen
EPA	United States Environmental Protection Agency
ft	feet
GW	groundwater
GWPS	Groundwater Protection Standard(s)
LCL	Lower Confidence Limit(s)
m	meter
mg/L	milligram per liter
MNA	monitored natural attenuation
MSL	mean sea level
MW-	denotes “Monitoring Well”
NCDS	National Coal Data System
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
SEM	scanning electron microscopy
SM	Standard Method(s)

SSE	selective sequential extraction
SSI	statistically significant increase
SSL	statistically significant level
TAL	Test America, Inc.
TOC	top of casing
TDS	total dissolved solids
USGS	Unites States Geological Survey
UTLs	Upper Tolerance Limits
XRD	X-ray diffraction
XRF	X-ray fluorescence

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D) and the State of Alabama Department of Environmental Management (ADEM) Admin. Code Ch. 335-13-15, this 2022 Annual Groundwater Monitoring and Corrective Action Report has been prepared to document 2022 semi-annual groundwater monitoring activities at the Plant Miller Ash Pond (Ash Pond) and to satisfy the requirements of § 257.90(e) and ADEM Admin. Code r. 335-13-15-.06(1)(e). Semi-annual monitoring and associated reporting for the Ash Pond is performed in accordance with the monitoring requirements of §§ 257.90 through 257.98 and ADEM Admin. Code r. 335-13-15-.06(1) through r. 335-13-15-.06(9).

Semi-Annual Groundwater Monitoring and Corrective Action Reports include an update on groundwater delineation activities completed since the submittal of the Facility Plan for Groundwater Investigation (November 13, 2018) and corrective action activities completed since the submittal of the Corrective Action Groundwater Monitoring Program (February 28, 2022).

2.0 MONITORING PROGRAM STATUS

The Site is currently in corrective action and implementing groundwater remedies. 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. Pursuant to § 257.95(g)(3)(i) and ADEM Admin. Code r. 335-13-15-.06(6)(g)4.(i), APC completed an ACM in accordance with § 257.96, ADEM Admin. Code r. 335-13-15-.06(7), and ADEM Administrative Order (AO) No. 18-098-GW. The ACM was completed June 12, 2019, and a public meeting was held to discuss the ACM on July 7, 2020.

Following the ACM, the Groundwater Remedy Selection Report was prepared and submitted on November 30, 2021, to meet the requirements of 40 CFR § 257.97, ADEM Admin. Code r. 335-13-15-.06(8), and Part C of AO No. 18-098-GW. Subsequently, within 90 days of remedy selection, the Corrective Action Groundwater Monitoring Program was submitted on February 28, 2022.

In accordance with § 257.98 and ADEM Admin. Code r. 335-13-15-.06(9), APC will continue semi-annual groundwater monitoring, including all monitoring wells in the certified groundwater monitoring system and any well installed to characterize the horizontal and vertical extent of SSLs. APC will continue with implementation of the groundwater remedies described in the Groundwater Remedy Selection Report and Corrective Action Groundwater Monitoring Program document.

3.0 SITE LOCATION AND DESCRIPTION

The APC James H. Miller, Jr., Electric Generating Plant (Plant Miller) is located at 4250 Porter Road, Quinton, AL 35130-9471. Plant Miller is approximately 15 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 are 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.

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. **Figure 2**, **Site Topographic Map**, provides the topography of the Site.

3.2 SITE GEOLOGY AND HYDROGEOLOGY

3.2.1 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 Upper Pottsville Formation as shown on **Figure 3**, **Site Geologic Map** (Geologic Survey of Alabama, (GSA), 2010b). This formation is characterized by cyclic sequences (cyclothems) of marginal marine shale/claystone, siltstone, sandstone, conglomerates, and individual coal beds. These depositional cyclothems reflect the sediment balance controlled by 4^{th} or 5^{th} 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 Upper 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. Upper Pottsville strata at Plant Miller are on the southeast limb of the Sequatchie Anticline and dip to the southeast between 3° and 5°. **Figures 4A, Geologic Cross-Section A-A'** through **4E, Geologic Cross-Section E-E'**, illustrate the Pottsville Formation strata underlying the Site.

Bedrock discontinuities measured during geologic mapping and downhole geophysical surveys were statistically analyzed using lower-hemisphere equal-area stereonets to assess dominant orientations for joint sets and bedding. The average bedding from only geologic mapping measurements is 04°, 122° (dip, dip direction) or N32°E dipping 4°SE (quadrant strike/dip).

Up to four different joint sets formed due to tectonic stresses on the bedrock. These joint sets can be classified as dip, strike, or oblique joints. Dip joints form parallel to bedding dip direction and are typically perpendicular to fold axes, representing extension that is perpendicular to the maximum principal stress direction or direction of compression. These joints are commonly near vertical. Strike joints develop parallel to the strike of bedding and fold axes, typically forming from tension along fold hinges. The dip direction and angle of these joints is nearly orthogonal to the dip direction and angle of bedding. Oblique joints commonly develop diagonal (± 30°) to the principal stress direction and represent conjugate sets formed from shear. An additional joint set is present at the Site that is subparallel to bedding, which is interpreted to represent exfoliation or spheroidal weathering of the rock mass. The most prominent joint sets can be grouped into the following orientations:

- Joint Set 1 (dip joint): 88°, 195°
- Joint Set 2 (strike joint): 90°, 318°
- Joint Set 3: rotated 81°, 221° to 82°, 248°
- Joint Set 4 (subparallel bedding): 06°, 167

The Pottsville aquifer system underlies the Site. The Pottsville aquifer system is composed primarily of Pennsylvanian-age sandstones, shales, conglomerates, and coal. Groundwater flow primarily occurs through coal seams or rock fabric discontinuities such as bedding planes and fractures. Groundwater in

the Pottsville aquifer system 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.

Regionally, 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). Although the Pottsville aquifer system is the primary aquifer in Walker County, groundwater use is relatively limited. According to O'Rear et al., 1972, groundwater use accounted for approximately 15% of total water use in Walker County in 1966. By 2005, groundwater use had declined to less than 1% of total water use in Walker County, or 1.14 million gallons per day (mgd) of groundwater out of a total water use of 969.5 mgd (United States Geological Survey (USGS), 2005).

3.2.2 Pottsville Formation – Rock Chemistry

Published data indicate that elevated arsenic concentrations occur in the Southern Appalachian coal strata where Site monitoring wells are screened. Numerous publications document elevated trace metals in Pottsville and Pottsville coal strata (Kolker et al., 1999, Diehl et al., 2004, Goldhaber et al., 2002). For instance, according to the USGS National Coal Data System (NRCDS), the average concentration of arsenic (72 ppm) in the Pottsville coal strata is three times that of the average of other coal basins (Bragg et al., 1997). Of the US coal analyses for arsenic that are at least three standard deviations above the mean, approximately 90% are from the coal fields of Alabama (Diehl et al., 2004). The United States Geological Survey (USGS) maintains an inventory of coal quality that includes trace metal concentration data. It shows an arsenic concentration range of 1.08 mg/kg to 611.0 mg/kg for Walker County coals, with a mean of 47 mg/kg. For Jefferson County, the USGS Coal Quality Database showed an arsenic concentration range of 1.22 mg/kg to 122 mg/kg with a mean of 36 mg/kg in Pratt, Gillespy-Curry, and Mary Lee Coal Groups in the vicinity of Plant Miller.

Similarly, 75 Pratt Coal Group samples (Pratt, Nickel Plate, and American Coal Seams) analyzed by the USGS and inventoried in the USGS National Coal Resource Data System (NRCDS) showed the following ranges of other trace metals:

- Boron – 6.3 to 83.6 ppm (average of 35 ppm).

- Cobalt – 1.6 to 19.8 ppm (average of 8 ppm).
- Molybdenum – 0.8 to 22.2 ppm (average of 5 ppm).
- Lithium – 1.4 to 128 ppm (average of 28 ppm).

Bulk geochemical analyses of Pottsville stratigraphy from Plant Miller were conducted on recovered core. The data reflect arsenic concentrations between 4.4 mg/kg and 64.6 mg/kg in Pottsville core analyzed. Similarly, 21 Pottsville samples collected from the Site provided the following ranges of other trace metals:

- Boron – 10.3 to 92.8 ppm (average of 37 ppm).
- Cobalt – 5.4 to 21.2 ppm (average of 12 ppm).
- Molybdenum – non-detect to 1.9 ppm (average of 0.6 ppm).

Trace metal enrichment and pyrite origins have been linked to post-depositional (post-coalification) deformation and trace metal laden hydrothermal fluids upwelling during Alleghenian tectonism. Diehl et al., (2004) and Goldhaber et al., (2002) describe "high-pyrite" coals as a source of elevated arsenic and other trace metals. In these publications, pyrite occurrence is observed within coal banding, woody cellular fill structures, mineral overgrowths, and structural fills such as veins and microfaults.

Furthermore, the process of strip mining and backfilling these materials can increase the availability of trace metals to groundwater. These mining processes and practices lead to the physical weakening and enhanced weathering of rock which, along with changed hydrodynamics, can lead to elevated and highly variable concentrations across a historic mine site. This may be evident adjacent to the southeast of the Plant Miller Ash Pond, whereas discussed in **Section 6.3**, lithium concentrations increase significantly in areas of previous strip mining.

3.2.3 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 Upper Pottsville Formation beneath the Site. The Mary Lee Coal Group is the uppermost aquifer north of the Ash Pond, the Gillespy Coal Group and Gillespy-Pratt

transition zone are the uppermost aquifers beneath the north-central and western portions of the Ash Pond, and the Pratt Coal Group is the uppermost aquifer beneath the far southeastern 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 plains. 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 below ground surface (BGS).
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).

Geochemically, upgradient or natural, groundwater types are typically classified as (1) calcium bicarbonate in more shallow systems, (2) sodium chloride in deeper systems, and (3) sodium bicarbonate in intermediate to deep systems where ion exchange is occurring. Together, these would generally fall in the bottom half of Piper or Trilinear diagrams. Exceptions to this can occur in areas of mining – especially strip mining – where groundwater types can often be calcium chloride (upper corner of diamond).

3.2.4 Flow Interpretation

Groundwater flow is accomplished primarily by means of fracture flow, where groundwater flows along more conductive secondary discontinuities in the rock mass such as weaknesses along bedding planes, joints, or cleat fabric in coal seams. Fractures at the Site are typically high-angle/near vertical (80° to 90°). Fracture flow in complex geologic media such as the heterogenous Pottsville Formation can be complex. Groundwater in the Pottsville aquifer is most commonly regarded as confined due to large permeability contrasts within the aquifer (Stricklin, 1989). The Pottsville at the Site is probably best described as a series of discrete, confined to semi-confined, groundwater yielding zones where

groundwater elevations can vary significantly laterally and vertically and are governed by the heterogeneity of the lithology and degree of fracture network interconnectivity.

Potentiometric data suggests that following groundwater flow patterns and characteristics:

Mary Lee Aquifer: (1) North to south to the north of the Plant Miller Ash Pond and (2) stagnant or west to east towards the Ash Pond; groundwater could be flowing towards underground Mary Lee Mine. Likely confined from Ash Pond by 150 to 300 feet of low permeability strata as evidenced by large, vertical hydraulic separation between water elevation in the Ash Pond (~423 feet MSL) and groundwater elevations in the Mary Lee coal (~280 feet MSL).

Gillespy Lower Discrete Interval: South-southeast flow direction; likely discontinuous zone of groundwater flow, especially west of topographic low/valley adjacent to the west of the north-central ash pond area.

Gillespy Lower Sandstone Interval: West to east flow direction; only present in the subsurface from an area beginning just to the north of MR-AP-MW-6V; Potentially confined from Ash Pond as evidenced by groundwater flow direction and large, vertical hydraulic separation between water elevation in the Ash Pond (~423 feet MSL) and groundwater elevations in the flow system (~259 ft MSL).

Gillespy-Pratt Transition Zone: Radial flow pattern emanating from east-northeastern portion of ash pond; strongest gradients appear to the southeast and then east towards adjacent Pratt Coal Mine; wells to northeast (saddle dike area) appear lateral (side-gradient) to groundwater flow pattern. Comprised of 2-3 confined to semi-confined discrete flow systems.

Pratt Coal Group: Radial flow pattern emanating from southeastern portion of the ash pond; strongest gradients appear to the southeast and then east towards adjacent Pratt Coal Mine; vertical groundwater separation of 3 to 8 feet generally exists between Pratt and American coal seams (discrete flow zones within Pratt Coal Group). Comprised of 2-3 confined to semi-confined discrete flow systems.

3.3 GROUNDWATER MONITORING SYSTEM

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 certified

groundwater monitoring system for the Ash Pond is designed to monitor groundwater passing the waste boundary of the CCR unit within the uppermost aquifer. Wells were located to serve as upgradient, and downgradient monitoring locations based on groundwater flow direction as determined by the potentiometric surface elevation contour maps. All groundwater monitoring wells were designed and constructed using "Design and Installation of Groundwater Monitoring Wells in Aquifers," ASTM Subcommittee D18.21, as a guideline.

3.3.1 Monitoring Wells

Well locations at the site are designated as upgradient, downgradient, piezometer (water-level only), vertical delineation, and horizontal delineation. The following subsections provide a summary of well designations and if applicable, changes or modifications to the well network or designations. As described in the site Groundwater Monitoring Plan, modifications to the well network or designation must first be approved by ADEM.

The location and designation of site wells are presented on **Figure 5, Monitoring Well Location Map**.

3.3.1.1 Upgradient Wells

To evaluate upgradient well locations at the Site, groundwater elevations and CCR indicator parameters were reviewed.

As described in **Sections 3.2.3** and **3.2.4,** there are multiple groundwater flow regimes within the Pottsville Formation at the Site. Groundwater flow systems as evaluated by potentiometric data, appear to have radial flow or flow away components away from the Site, and are not suitable for upgradient designations (except for Mary Lee and Lower Gillespy Discrete Zone).

Additionally, the Gillespy-Pratt Transition Zone and Pratt Coal Group, where the majority of downgradient wells are screened, do not exist in the vicinity of the Site (and the majority of the Warrior Basin) due to mining or lithology being absent (strata projects above ground surface). Therefore, there is little or perhaps even no opportunity for installing upgradient locations in these areas.

Background groundwater quality data for the monitored formations is provided by wells GS-AP-MW-8, GS-AP-MW-13, GS-AP-MW-17V installed at the nearby Plant Gorgas Ash Pond. These locations are

suitable as upgradient locations due to (1) placement in similar geology and (2) screened intervals at these wells monitor recharging groundwater that has not been impacted by either Site. Well GS-AP-MW-13 is no longer in service and sampled, but the historical background database will continue to be used in background calculations. This well is installed at an elevation above the level of the Gorgas Ash Pond and exhibits a groundwater elevation approximately 30 feet higher than the Plant Gorgas Ash Pond; therefore, this well represents younger groundwater infiltrating the Pottsville and captures the natural geochemical variability within the formation.

Appendix III (detection monitoring parameters) constituent concentrations along with select other Appendix IV CCR indicator parameters were also evaluated as further basis for designating locations GS-AP-MW-8, GS-AP-MW-13, and GS-AP-MW-17V as upgradient. In general, concentrations of CCR indicator parameters reported for these well locations are well below published Groundwater Protection Standards (GWPS), downgradient wells, and pore-water (source) concentrations. The absence of elevated concentrations of CCR indicator parameters indicates younger, recharging groundwater and groundwater that has not been impacted by groundwater flowing away from the Ash Pond. These data, along with groundwater elevation data, support an upgradient designation for locations GS-AP-MW-8, GS-AP-MW-13, and GS-AP-MW-17V. Upgradient location GS-AP-MW-13 was abandoned in 2019. Historical data from this location will still be used for statistical comparison of groundwater quality data. Location GS-AP-MW-17V was originally intended for vertical delineation at the Gorgas Ash Pond but was screened at a higher elevation due to encountering the underlying Maxine Mine at depth and identifying more shallow groundwater flow. These wells provide groundwater quality information from the top of the Pratt Coal Group – although none are installed in coal measures and therefore, are likely biased towards lower concentrations of trace metals.

Potential Future Upgradient Well Locations

Six additional upgradient locations (closer to the Site) have been installed: MR-AP-MW-21 and MR-AP-MW-23 in 2019 and MR-AP-MW-22S, MR-AP-MW-22I, MR-AP-MW-22D, and MR-AP-MW-23A in 2020. These six additional upgradient monitoring wells are located approximately 2 miles WNW of Plant Miller. These locations were chosen based on their similar positions on the Sequatchie Anticline and APC land ownership. These locations sit on the opposite limb of the Sequatchie Anticline, but at similar elevation, structural, and stratigraphic setting.

The additional upgradient wells were installed during Phase I and Phase II delineation activities for further evaluation and comparison with downgradient compliance and delineation wells at the Site. Upgradient location MR-AP-MW-23A was paired with monitor well MR-AP-MW-23 to determine if bentonite seal or grout contamination occurred during the installation of MR-AP-MW-23.

Stratigraphically, these upgradient well locations are screened in middle to lower-middle sections of the Mary Lee Coal Group. Based on the data reviewed, the Mary Lee Coal bed may have existed 60 to 120 feet above ground surface. These wells installed, between 47 and 200 feet BGS, should correlate approximately to the Blue Creek through Jagger Coal horizons. Coal seams are noted at depths of approximately 66 feet BGS, 82 feet BGS, 104 feet BGS, 134 feet BGS, and 195 feet BGS. The most prominent coal seam occurs between 134 feet BGS and 137.5 feet BGS. These wells are deeper and screened across coal seams, and likely, provide more representative concentrations of trace metals – especially in comparison to deep or coal measure screened downgradient wells.

The additional upgradient monitoring wells were sampled during the April-May 2021 semi-annual monitoring event as part of the semi-annual assessment groundwater monitoring program. It is important to note, that these six additional well locations were not included as upgradient locations in the *September 2020 Groundwater Monitoring Plan.* A sufficient data set and full evaluation of that data will be conducted prior to making a recommendation for inclusion into the groundwater monitoring network and updating the Groundwater Monitoring Play. Upon review of existing data, it is not anticipated that these wells will be added to or recommended for the groundwater monitoring network.

Table 1a, Compliance Monitoring Well Network Details summarizes compliance well installation data including monitoring well construction details and the lithology (flow system) adjacent to the screened interval. Potential future upgradient well locations are listed as such in **Table 1a** and it should be noted that these locations are not being utilized in statistical analyses.

3.3.1.2 Downgradient Wells

Currently, the groundwater monitoring network comprises 20 downgradient monitoring wells installed along the boundary of the Ash Pond. Ash pond closure activities necessitated the abandonment of nine

downgradient compliance locations. Seven of the nine downgradient compliance locations were replaced. The seven replacement wells (MR-AP-MW-7SR, MR-AP-MW-7DR, MR-AP-MW-9SR, MR-AP-MW-9DR, MR-AP-MW-13SR, MR-AP-MW-13DR, and MR-AP-MW-14R) were pre-surveyed in the field, ground elevations were compared between original and replacement well locations, and a target depth for boring was pre-determined based on structural dip and the difference in ground elevation. The new groundwater wells were installed in water bearing zones as close to the wells being replaced as conditions warranted. The new wells were installed as close as feasible to the waste boundary of the CCR unit to (1) provide an accurate representation of the quality of groundwater passing the waste boundary and (2) not interfere with the closure construction activities or final cover system of the Plant Miller Ash Pond.

Borehole geophysics, hydrophysical logging, and occasional packer testing were used to determine well screen intervals. These logging techniques identify groundwater flow zones in open boreholes and are optimally suited for use in low-yielding, fractured rock media. Heat-pulse flowmeter logging or packer testing were often used to assess or further evaluate flow zones indicated by hydrophysical logging tools. If multiple flow zones were identified, then paired wells were often installed to screen both zones.

Preferential groundwater flow away from the Site, if existing, occurs within zones of enhanced permeability such as cleated coals or zones of intersecting rock discontinuities spatially located lateral to or beneath the base of the Ash Pond. Strata of the Gillespy-Pratt Coal Groups are the uppermost aquifer lateral to or beneath the base of the Ash Pond as indicated by borehole logging and geophysics in central and southern portions of the Site. To the north, Pratt Coal Group strata exist above ground surface or are absent. In these areas, downgradient monitoring well locations were installed across the first groundwater yielding fractures identified by borehole geophysics or within the deeper Mary Lee coal seam.

Monitoring well locations are presented on **Figure 5**. **Table 1a,** summarizes compliance well installation data including monitoring well construction details and the lithology (flow system) adjacent to the screened interval.

3.3.1.3 Piezometers

There are currently three water-level only piezometers at the Site (MR-AP-MW-2V, MR-AP-MW-3V, and MR-AP-MW-19H). These locations were originally intended as delineation locations but did not yield sufficient groundwater for development or sampling and have been converted to piezometers.

Previously installed delineation wells that did not yield sufficient groundwater for development were re-designated as piezometers.

Changes to the piezometer network occurred in 2020 as locations MR-AP-MW-27H, MR-AP-MW-29H, MR-AP-MW-31H, and MR-AP-MW-36H were reassessed in a low-yield well study conducted in July 2020. Wells MR-AP-MW-27H and MR-AP-MW-36H were abandoned and replaced, well MR-AP-MW-29H was abandoned, and well MR-AP-MW-31H was successfully redeveloped and sampled as part of the first 2021 semi-annual sampling event.

Figure 5 and **Table 1c, Piezometer Well Network Details** summarize monitoring well construction details and design purpose for the Plant Miller Ash Pond.

3.3.1.4 Delineation Wells

Pursuant to § 257.95(g)(1), ADEM Admin. Code r. 335-13-15-.06(6)(g), and Alabama Administrative Order AO 18-098-GW, additional monitoring wells were installed to characterize the horizontal and vertical extent of GWPS exceedances identified during assessment monitoring. In 2020, two horizontal delineation wells (MR-AP-MW-27HR and MR-AP-MW-36HR) were installed to replace previously installed delineation wells (MR-AP-MW-27H and MR-AP-MW-36H) that did not yield sufficient groundwater for development or sampling and one previously installed delineation well (MR-AP-MW-31H) was redeveloped and designated as from a piezometer to a horizontal delineation well. All three wells were sampled in the first 2021 semi-annual sampling event.

A summary of well installation dates, location, elevation, screen interval, and purpose is provided in **Table 1b, Delineation Well Network Details** and **Figures 5.**

3.3.1.5 Monitoring Well Replacement and Abandonment

Ash pond closure activities necessitated the abandonment and relocation of nine downgradient compliance locations. A plan for the abandonment and relocation of the nine monitoring wells (MR-AP-MW-7S, MR-AP-MW-7D, MR-AP-MW-8S, MR-AP-MW-8D, MR-AP-MW-9S, MR-AP-MW-9D, MR-AP-MW-13S, MR-AP-MW-13D, and MR-AP-MW-14) was submitted to ADEM in February 2020 and approved in May 2020. A revised work plan added to the original scope of work to include the

abandonment and reinstallation of three previously installed horizontal delineation wells re-designated as piezometers (MR-AP-MW27H, MR-AP-MW-29H, and MR-AP-MW-36H).

The abandonment of the nine downgradient monitor wells and three horizontal delineation wells re-designated as piezometers occurred between June and August 2020. One replacement horizontal delineation well (MR-AP-MW-29HR) boring was abandoned due to the presence of predominately mine spoils. The monitoring wells and boring were abandoned in accordance with Alabama well construction standards described in Administrative Code Div. 335-13 and the Alabama Environmental Investigation and Remediation Guidance (AEIRG; Revised 2017).

A summary of previous well abandonments is provided in **Table 1d, Abandoned Monitoring Well and Piezometer Details.**

3.3.2 Monitoring Variances

The groundwater monitoring program at the Site is operating under a Variance granted by ADEM on April 15, 2019, to conform State monitoring requirements under the CCR rule to Federal requirements. The variance:

1. Retains boron as an Appendix III detection monitoring parameter and excludes it as an Appendix IV assessment monitoring parameter.
2. Authorizes the use of Federally-published GWPS of 0.006 milligrams per liter (mg/L) for cobalt; 0.015 mg/L for lead; 0.040 mg/L for lithium; and 0.100 mg/L for molybdenum in lieu of background where those levels are greater than background levels.

3.3.3 Groundwater Monitoring History

Background groundwater samples were collected from July 2016 to June 2017. Semi-annual groundwater monitoring was initiated at the Ash Pond in September 2017.

In accordance with § 257.94(b), eight independent samples were collected from each background and downgradient well and analyzed for the constituents listed in Appendix III and IV prior to October 17, 2017. Background sampling was performed over the period of July 2016 to June 2017. Groundwater

sampling for the first detection monitoring event after the background period was performed in September 2017.

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 all Appendix IV parameters in February 2018, within 90 days of initiating the assessment monitoring program.

Statistical evaluations of 2018 assessment monitoring data identified SSLs of Appendix IV constituents above the GWPS, and the Site entered Assessment of Corrective Measures. Pursuant to 40 CFR §257.95(g)(1), ADEM Admin. Code r. 335-13-15-.06(6)(g)2., and AO 18-098-GW, additional monitoring wells (**Table 1b, Figure 5**) were installed to characterize the horizontal and vertical extent of GWPS exceedances identified during assessment monitoring in two phases of groundwater investigations between January 2019 and September 2020. These wells, along with the compliance monitoring well network, are sampled semi-annually.

Delineation wells installed at the Site have been sampled concurrently with the compliance monitoring well network beginning with the second semi-annual sampling event in 2020. However, occasionally, additional data collection has occurred independent of routine compliance sampling events to support continuing assessment activities at the Site.

3.3.3.1 Available Monitoring Data

Laboratory analytical data is available for the groundwater monitoring history outlined in **Section 3.3.3**. Tabulated results for Appendix III and Appendix IV constituents by monitoring well are included in **Appendix A, Analytical Data Summary**.

3.3.3.2 Historical Groundwater Flow

Historical groundwater elevations and potentiometric surface maps show that groundwater flow patterns are consistent across monitoring events and as described in **Section 3.2.4**. As ash pond closure activities progress over the years and upon completion of closure, groundwater elevations will likely display variability representative of changing site hydrodynamics and eventually, a new set of equilibrium

conditions. As this timeline progresses, groundwater elevations and trends will be qualitatively reviewed against this historical data set.

Tables summarizing groundwater elevations from all groundwater monitoring events are included in **Appendix B, Historical Groundwater Elevations Summary**.

3.4 GROUNDWATER SAMPLING AND ANALYSIS

Site compliance wells are typically sampled semi-annually between: (1) late winter – mid spring and (2) early to late fall. The temporal spacing between sampling events is sufficient to ensure that sampling events yield independent groundwater samples and generally, represent different climatic or meteorological seasons which often foster a degree of natural variability in groundwater quality.

During routine semi-annual monitoring events, all compliance and delineation network wells are sampled and analyzed for Appendix III and Appendix IV constituents. Additional general chemistry constituents (major ions and anions) are now being collected routinely as well. These non-compliance parameters will be periodically analyzed to explore seasonal or closure-related changes to geochemical facies to site groundwater.

The following subsections summarize the sequential steps and process for the sampling, handling/transport, and analysis of compliance-related groundwater samples at the site.

3.4.1 Groundwater Sample Collection

Prior to recording water levels and collecting samples each well was opened and allowed to equilibrate to atmospheric pressure. Within a 24-hour period, depths to groundwater were measured to the nearest 0.01 foot with an electronic water level indicator with depth referenced from the top of the inner PVC well casing. Groundwater elevations were calculated by subtracting the depth to groundwater from surveyed top-of-casing (TOC) elevations.

Groundwater samples were collected from monitoring wells using low-flow sampling procedures 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. In this procedure, field water quality parameters (pH, turbidity, conductivity,

and dissolved oxygen) are measured to determine stabilization and groundwater samples are collected when the following stabilization criteria are 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 nephelometric turbidity units (NTU).
- Temperature and oxidation reduction potential (ORP) – record only, no stabilization criteria.

During purging and sampling, an In-Situ Aqua Troll 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. Field data recorded in support of groundwater sampling activities are included in **Appendix C, Laboratory and Field Records.**

3.4.2 Sample Preservation and Handling

Groundwater samples were collected within the designated size and type of laboratory-supplied containers required for specific parameters. Sample bottles were pre-preserved by the laboratory.

Where temperature control was required, samples were placed in an ice-packed cooler and cooled to less than 6 °C immediately after collection. Blue ice or other cooling packs were not used for cooling samples. An ice-packed cooler was on hand when samples were collected.

3.4.3 Chain of Custody

A COC record was used to track sample possession from the time of collection to the time of receipt at the laboratory. All samples were handled under strict COC procedures beginning in the field. COC records are included with the analytical laboratory reports included in **Appendix C**.

3.4.4 Laboratory Analysis

Laboratory analyses were performed by the APC Environmental Laboratory (APCEL) in Calera, Alabama and Pace Analytical Services, LLC (Pace). Both APCEL and Pace are accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed**. Table 2, Parameters and Reporting Limits**, lists monitoring constituents analyzed from site groundwater samples. Lab reports and COC records for the monitoring period are presented in **Appendix C.**

3.4.5 Sampling Event Summary

As required by § 257.90(e) and ADEM Admin. Code r. 335-13-15-.06(1)(e), the following describes monitoring-related activities performed during the monitoring period.

The first semi-annual monitoring event occurred between February 14th and March 17th, 2022. A re-sampling event was conducted on May 19, 2022, to evaluate potential outliers observed in wells MR-AP-MW-10 and MR-AP-MW-12 following receipt of the March laboratory data. The second semi-annual assessment sampling occurred between August 2, 2022, and September 27, 2022.

Groundwater samples were analyzed for the full list of Appendix III and Appendix IV parameters during monitoring period sampling events. During the most recent sampling event, additional general chemistry and monitored natural attenuation monitoring parameters were sampled and analyzed. These analytes have been incorporated for continued evaluations of geochemical facies and their evolution over time. These analytes will also support geochemical modeling and evaluations associated with monitored natural attenuation. These parameters include:

- Calcium (filtered)
- Iron (total and dissolved)
- Silicon (total and dissolved)
- Silica (total and dissolved)
- Sodium (total and dissolved)
- Sulfide
- Potassium

- Aluminum (total and dissolved)
- Manganese
- Magnesium (total and filtered)
- Nitrate-Nitrite
- Total Alkalinity, Carbonate Alkalinity, Bicarbonate Alkalinity
- Total Organic Carbon.

All groundwater sampling activities were conducted by APC Field and Water Services. Pace Analytical Services (Greensburg) performed the laboratory analyses of Radium-226 and Radium-228 (reported combined) as well as the MNA parameter sulfide (Pace – New Orleans). APCEL performed the remaining Appendix III and Appendix IV analyses. Analytical data from the groundwater monitoring events is included as **Appendix C** in accordance with the requirements of § 257.90(e)(3) and ADEM Admin. Code r. 335-13-15-.06(1)(e)3.

4.0 GROUNDWATER ELEVATIONS AND FLOW

During the first semi-annual monitoring event, groundwater elevations ranged from 163.03 to 429.38 ft MSL. Readings and elevations in piezometers MR-AP-MW-2V and MR-AP-MW-19H are representative of effectively dry wells and not representative of groundwater elevations in site flow systems. During the second semi-annual monitoring event, groundwater elevations ranged from 168.49 to 424.01 ft MSL.

The following maps depict groundwater elevations and inferred groundwater flow direction during the 2022 first semi-annual monitoring event: **Figure 6A, Potentiometric Surface Contour Map (March 7, 2022) – Mary Lee Aquifer, Figure 6B, Potentiometric Surface Contour Map (March 7, 2022) – Gillespy Lower Discrete Zone, Figure 6C, Potentiometric Surface Contour Map (March 7, 2022) – Gillespy Lower Sandstone, Figure 6D, Potentiometric Surface Contour Map (March 7, 2022) – Gillespy-Pratt Transition Zone, Figure 6E, Potentiometric Surface Contour Map (March 7, 2022) – Pratt Coal Group, Figure 6F, Potentiometric Surface Contour Map (March 7, 2022) – Deep Upgradient Monitoring Wells (Middle to Lower Mary Lee Group), and Figure 6G, Potentiometric Surface Contour Map (March 7, 2022) – Shallow Upgradient Monitoring Wells (Middle-Lower Mary Lee Group).**

The following maps depict groundwater elevations and inferred groundwater flow direction during the 2022 second semi-annual monitoring event: **Figure 7A, Potentiometric Surface Contour Map (September 13, 2022) – Mary Lee Aquifer, Figure 7B, Potentiometric Surface Contour Map (September 13, 2022) – Gillespy Lower Discrete Flow Zone, Figure 7C, Potentiometric Surface Contour Map (September 13, 2022) – Gillespy Lower Sandstone Unit(s), Figure 7D, Potentiometric Surface Contour Map (September 13, 2022) – Gillespy Coal - Pratt Transition Zone, Figure 7E, Potentiometric Surface Contour Map (September 13, 2022) – Pratt Coal Group, Figure 7F, Potentiometric Surface Contour Map (September 13, 2022) – Deep Upgradient Monitoring Wells (Middle to Lower Mary Lee Group),** and **Figure 7G, Potentiometric Surface Contour Map (September 13, 2022) – Shallow Upgradient Monitoring Wells (Middle-Lower Mary Lee Group).**

Potentiometric surface maps for the Site are subdivided into five flow systems based on hydrostratigraphy and vertical separation in groundwater. The Gillespy-Pratt Transition Zone and Pratt Coal Group flow systems have been generalized as these flow systems are comprised of 2 to 3 discrete, sub-flow systems often representing fractures or coal seams separated by confining units. For example, as shown on

Figures 6E and **7E,** the Pratt Group could be further subdivided (vertical separation between MW-9SR/09DR pairs).

These vertical separations in groundwater elevations prominently display the confined to semi-confined conditions described in **Sections 3.2.3** and **3.2.4.** During a detailed review of historical water levels, it was interpreted that Upper Gillespy and Pratt Transition flow systems can largely be grouped together as one flow system for the purposes of describing groundwater flow.

In general, it is inferred that laterally continuous zones that intersect or have communication with the Ash Pond through interconnected fractures will display radial flow patterns away from the Site and emanate near the stratigraphic intersection with the Ash Pond. Hydrostratigraphic intervals that do not intersect or that have poor to no hydraulic connection with the Ash Pond will display groundwater flow pattern consistent with topography or regional flow patterns. The Gillespy-Pratt Transition Zone, which underlies the largest portion of the pond, exhibits this type of pattern on **Figures 6D** and **7D,** as does the Pratt Coal Group on **Figures 6E** and **7E**, although true radial flow to the northwest is uncertain in the Pratt Coal Group as these strata daylight to the northwest (proximal to MR-AP-MW-13SR/DR).

As shown on **Figures 6A** and **7A**, wells tapping the Mary Lee Coal, display little hydraulic gradient and potentially, shows flow towards the Ash Pond and the underground Mary Lee coal mine.. As shown on **Figures 6C** and **7C**, wells tapping the Gillespy Lower Sandstone show an almost due west to east flow direction, which combined with the large hydraulic separation between the ash pond and flow system groundwater elevations, indicate no direct hydraulic communication between the two. These are two flow systems that suggest limited or no hydraulic communication with the Plant Miller Ash Pond.

4.1 GROUNDWATER ELEVATION CHANGES

Extensive de-watering has occurred within the Ash Pond as part of the closure process. On March 7, 2022, the average pond elevation was 404.48 ft MSL and down approximately 16 to 18 feet from historical operational levels (420 to 423 ft MSL). On September 13, 2022, the pond elevation was even lower, and between elevations 393.25 and 394 ft MSL. Based upon data reviewed, dewatering appears to have driven changes in groundwater elevation and groundwater flow during 2022.

Groundwater elevation data prior to 2020 is utilized for establishing normal, reference ranges for groundwater elevations and for comparison with most recent groundwater elevations. Wells with

sufficient data sets prior to 2020 are limited to compliance wells. Groundwater elevations in multiple well locations during both semi-annual monitoring events were identified as potential lower bound outliers based upon historical groundwater elevation data and screening with Interquartile Range (1.5 x IQR) statistics. These wells demonstrated groundwater elevations significantly lower than expected which implies a correlation or relationship with lowering pond elevations. During the first semi-annual monitoring event, the following compliance wells exhibited lower bound outlier water elevations:

Well	Lower bound GW Elevation Threshold (IQR)	GW Elevation 3/7/2022	Distance below Lower bound GW Elevation
MR-AP-MW-4	380.63	373.87	-6.76
MR-AP-MW-10	411.02	399.33	-11.69
MR-AP-MW-12	414.95	406.44	-8.51

During the second semi-annual monitoring event, the following wells exhibited lower bound outlier water elevations:

Well	Lower bound GW Elevation Threshold (IQR)	GW Elevation 9/132022	Distance below Lower bound GW Elevation
MR-AP-MW-3S	344.15	338.66	-5.49
MR-AP-MW-3D	322.60	319.46	-3.14
MR-AP-MW-4	380.63	361.96	-18.67
MR-AP-MW-10	411.02	390.84	-20.18
MR-AP-MW-12	414.95	395.25	-19.70
MR-AP-MW-15	397.62	397.16	-0.46

Four downgradient and delineation wells displayed groundwater elevations above pond elevation (404.48 ft MSL) on March 7, 2022. Five downgradient and delineation wells displayed groundwater elevations above pond elevation (393.25 to 394 ft MSL) on September 13, 2022. These locations are spatially clustered east of central sections of the Ash Pond and are screened across Pratt and Gillespy-Pratt

Transition flow systems. These data indicate a potential transition in flow direction where: (A) groundwater may flow towards the pond from the east or (B) a no flow boundary develops in the area.

Based upon the last four groundwater elevation readings, downgradient well MR-AP-MW-13SR is upgradient of the ash pond. Additional data collected in future events will be reviewed to evaluate this potential transition with wells MR-AP-MW-14R, MR-AP-MW-12, MR-AP-MW-28H, and MR-AP-MW-15. Wells described in this section are provided below.

Well	GW Elevation 3/7//2022	GW Elevation 9/13//2022
MR-AP-MW-12	406.44	395.25
MR-AP-MW-13SR	429.38	424.01
MR-AP-MW-14R	411.09	407.93
MR-AP-MW-28H	405.45	400.08
MR-AP-MW-15	399.35 (BELOW)	397.16 (ABOVE)

Based upon these data and observations, groundwater flow direction in Pratt Coal Group flow intervals appear to exhibit flow towards the pond (area between MR-AP-MW-13SR, MR-AP-MW-12, and MR-AP-MW-28H). This flow reversal appears to be more prominent and encompassing of a larger area during the September 2022 monitoring event (**Figure 7E**) than observed during the March 2022 sampling event (**Figure 6E**). The key difference observed is the development of a hydraulic gradient from MR-AP-MW-28H to MR-AP-MW-12 during September 2022. Whereas during March 2022 there was a slight gradient towards MR-AP-MW-28H.

Recent groundwater elevation data recorded since 2016 have been tabulated and included in **Table 3, Groundwater Elevations**. All historical available groundwater data recorded since 2016 have been tabulated and included in **Appendix B.**

4.2 GROUNDWATER FLOW VELOCITY CALCULATIONS

Because the geology at the Ash Pond is not homogeneous or isotropic with respect to groundwater flow, groundwater velocity calculations using derivations of Darcy's Law are not applicable to groundwater at the Site. The hydrogeologic characteristics of fractured rock typically produce preferential groundwater flow paths, so groundwater velocity is much more variable than in uniform porous media such as sand. During monitoring well installation, multiple techniques were used to successfully intercept groundwater flow paths with the monitoring wells located around the Ash Pond. These flow paths correspond to coal cleats/fractures, zones of fracture concentration, bedding planes, and other discontinuities in the rock. Therefore, groundwater flow velocity at the Site cannot be accurately quantified using existing Site data.

Aquifer performance testing, including slug tests, has been conducted to characterize hydraulic conductivity values at the Site. Slug and packer testing provided horizontal hydraulic conductivities for the uppermost aquifer between 1.00×10^{-3} cm/sec and 6.00×10^{-7} cm/sec. Hydraulic conductivity in the uppermost aquifer typically ranges between 10^{-4} to 10^{-5} cm/sec with an average 6.15×10^{-4} cm/sec.
The lowest estimated hydraulic conductivity value of 6×10^{-7} cm/sec was derived from packer testing preformed at borehole MR-AP-MW-3D (interval 170 ft to 226 ft) and borehole MR-AP-MW-4 (interval 80 ft to 137 ft). The measured recovery for these tests was on the order of 1%. This is indicative of a relatively closed system where fractures, if any, are poorly connected to the surrounding groundwater flow system. The complex lithostratigraphy, sharp permeability contrasts, and fractured nature of the Pottsville Formation contribute to vertical groundwater flow at the Site as well confining to semi-confining conditions evidenced in the spatial distribution of hydraulic heads.

5.0 EVALUATION OF GROUNDWATER QUALITY DATA

5.1 DATA VALIDATION – 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 group of 10 well samples. Equipment blank and field blank samples were also collected during each sampling event.

Analytical precision is measured through the calculation of the relative percent difference (RPD) of two data sets generated from a similar source. Here, a comparison of results between samples and field duplicate samples are used as measure of laboratory precision. Where field duplicates are collected, the RPD between the sample and duplicate sample is calculated as:

$$RPD = \frac{Conc1 - Conc2}{(Conc1 + Conc2)/2}$$

Where:

RPD = Relative Percent Difference (%)

Conc1 = Higher concentration of the sample or field duplicate

Conc2 = Lower concentration of the sample or field duplicate

Where the relative percent differences below 20%, the difference is considered acceptable, and no further action is needed. Where an RPD is greater than 20%, further evaluation is required to attempt to determine the cause of the difference and potentially result in qualified data. **Table 4a, Relative Percent Difference (RPD) Calculations,** provides the relative percent differences for sample and sample duplicates during the monitoring period.

All RPDs were below 20% for the first 2022 semi-annual sampling event except for arsenic in the sample collected from MR-AP-MW-20HS and its field duplicate. Arsenic was detected at a concentration of 0.000305 mg/L in the sample and 0.000215 mg/L in the field duplicate, resulting in an RPD of 34.6%.

However, since (1) neither result is greater than 5 times the RL (0.0002) and (2) the difference between the original and duplicate result is less than the RL, no data validation flags are applied.

All RPDs were below 20% for the second 2022 semi-annual sampling event. Therefore, no data validation flags are applied.

Low-level (trace) detections were observed in blank samples during the first and second 2022 semi-annual sampling events. Chromium was detected in EB-1, FB-1, FB-3, FB-4, and FB-5, and molybdenum was detected in EB-1 during the first 2022 semi-annual sampling event. Chromium was detected in EB-1 and FB-1 during the second 2022 semi-annual sampling event. **Table 4b – Field QC: Blank Detections** provides a summary of these detected results. Each of these blank detections were estimated concentrations, above the MDL but below the RL, and qualified in the laboratory analytical reports with "J flags." However, if concentrations are detected above the MDL in field QC samples, all original results less than five times the field QC detection are flagged with a (+) U* and MDL/RL values modified.

RPD and blank data validation is generally preformed prior to statistical analysis and to determine if data quality reviews, laboratory re-analyses, or re-sampling and analyses are needed. The results of the above data validation procedures do not impact site statistical analyses due to the low-level concentrations and constituents detected.

5.2 STATISTICAL METHODOLOGY AND TESTS

The Sanitas Groundwater statistical software is 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 EPA regulations. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the USEPA Unified Guidance (2009).

5.2.1 Appendix III Evaluation

Intrawell prediction limits, combined with a 1-of-2 verification strategy, are used for pH to determine whether there has been a statistically significant increase (SSI) over background groundwater quality. Interwell prediction limits, combined with a 1-of-2 verification strategy, are used to evaluate boron, calcium, chloride, fluoride, sulfate, and TDS. Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at that well. The most recent sample from the same

well is compared to its respective background to identify SSIs over background. 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 identify SSIs.

Groundwater Stats Consulting demonstrated that these test methods were appropriate in the October 2017 Statistical Analysis Plan, which was updated in August 2020 with additional data screening and evaluation. Time series plots were used to screen proposed background data for suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective. Suspected outliers at all wells for Appendix III parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database.

The following adjustments are also part of the statistical analysis:

- No statistical analyses are required on wells and analytes containing 100% non-detects (EPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in the background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data.

5.2.2 Appendix IV Evaluation

When in corrective action, Appendix IV constituents are sampled semi-annually, and concentrations are compared to GWPS. Following the Unified Guidance, spatial variation for Appendix III parameters is tested using the ANOVA; this test is not prescribed for Appendix IV constituents. Unlike the statistical evaluation of Appendix III constituents (where single-sample results are compared to the statistical limit), Appendix IV analysis uses the pooled results from each downgradient well to develop a well-specific Confidence Interval that is compared to the statistical limit. The statistical limit is either the Interwell Tolerance limit (i.e. background) calculated using the pool of all available upgradient well data (see Chapter 7 of the Unified Guidance), or an applicable groundwater protection standard such as the MCL. Appendix IV background data are screened for outliers and extreme trending patterns that would lead to artificially elevated statistical limits.

Parametric tolerance limits (i.e. UTLs) were calculated using pooled upgradient well data for Appendix IV parameters with a target of 95% confidence and 95% coverage. The confidence and coverage levels for nonparametric tolerance limits are dependent on the number of background samples. The UTLs were then used as the GWPS.

As described in 40 CFR § 257.95(h)(1)-(3) and the ADEM Variance (see **Section 3.3.2)**, the GWPS is:

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

In corrective action, when the Lower Confidence Limit (LCL), or the entire interval, exceeds the GWPS as discussed in the USEPA Unified Guidance (2009), the result is recorded as an SSL. Appendix IV constituents will be updated every 2 years initiating with the Fall 2019 event. The next update to GWPS will occur no earlier than the Fall of 2023. Data from upgradient wells collected between updates may still be used to support ASDs if merited.

5.3 STATISTICAL EXCEEDANCES

Analytical data from the 2022 semi-annual monitoring events in March and September were statistically analyzed in accordance with the Professional Engineer (PE)-certified Statistical Analysis Plan (October 2017) and revised in August 2020 by Groundwater Stats Consulting. Appendix III statistical analysis was performed to determine if constituents have returned to background levels. Appendix IV monitoring parameters were evaluated to determine if concentrations statistically exceeded the established groundwater protection standard.

5.3.1 Appendix III Constituents

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

5.3.2 Appendix IV Constituents

Table 5, Summary of Background Levels and Groundwater Protection Standards, summarizes the background limit established at each monitoring well and the GWPS. A summary table of the statistical limits accompanies the prediction limits in **Appendix D**.

The following subsections describe statistical exceedances.

5.3.2.1 First Semi-Annual Groundwater Monitoring Event

Comparison with Published GWPS

For this comparison, variance limits for non-MCL constituents are used, and data from newly installed upgradient wells were not factored in. During the first semi-annual monitoring event, statistical analysis of Appendix IV data incorporating limits defined in the 2019 ADEM Variance (**Section 3.3.2**) identified the following SSLs over GWPS at the listed downgradient wells:

- MR-AP-MW-1: Lithium.
- MR-AP-MW-2: Cobalt, Lithium.
- MR-AP-MW-3D: Lithium.
- MR-AP-MW-3S: Lithium.
- MR-AP-MW-4: Lithium.
- MR-AP-MW-5: Arsenic, Lithium.
- MR-AP-MW-6: Lithium.
- MR-AP-MW-7SR: Lithium.
- MR-AP-MW-7DR: Lithium.
- MR-AP-MW-9DR: Lithium.

- MR-AP-MW-10: Lithium, Molybdenum.
- MR-AP-MW-11: Lithium.
- MR-AP-MW-12: Lithium, Molybdenum.
- MR-AP-PZ-5: Lithium.

Limited groundwater analytical data is available for delineation wells installed at the Site; therefore, groundwater quality is simply compared to the GWPS. Similar to above, this comparison includes variance limits for non-MCL constituents and does not include site-specific background derived GWPS. A review of analytical data derived from delineation wells revealed the following GWPS Exceedances for the first semi-annual sampling event:

- MR-AP-MW-4V: Cobalt, Lithium
- MR-AP-MW-6V: Lithium.
- MR-AP-MW-17H: Lithium.
- MR-AP-MW-18H: Lithium.
- MR-AP-MW-19HA: Lithium.
- MR-AP-MW-20H: Lithium.
- MR-AP-MW-20HS: Lithium.
- MR-AP-MW-27HR: Lithium
- MR-AP-MW-28H: Lithium.
- MR-AP-MW-30H: Lithium.
- MR-AP-MW-31H: Lithium
- MR-AP-MW-33H: Lithium, Cobalt.
- MR-AP-MW-34H: Lithium.
- MR-AP-MW-35H: Arsenic.
- MR-AP-MW-36HR: Lithium.
- MR-AP-MW-37H: Lithium.

Details regarding the installation and sampling of these wells, and future proposed actions as a result of these exceedances, were submitted to ADEM in a delineation report on May 13, 2019 and subsequent progress updates submitted in September 2019 and March 2020.

Comparison with Site Background

During the first semi-annual monitoring event, Appendix IV data were compared to background concentrations from newly installed upgradient well GS-AP-MW-17V. Using concentrations from MR-AP-MW-17V as a guide for site-specific background concentrations, the following SSLs were identified over GWPS at the listed downgradient wells:

- MR-AP-MW-1: Lithium.
- MR-AP-MW-2: Cobalt, Lithium.
- MR-AP-MW-3D: Arsenic, Lithium.
- MR-AP-MW-3S: Lithium.
- MR-AP-MW-5: Lithium.
- MR-AP-MW-7SR: Lithium.
- MR-AP-MW-7DR: Lithium.
- MR-AP-MW-9DR: Lithium.
- MR-AP-MW-10: Lithium.
- MR-AP-MW-11: Lithium.
- MR-AP-MW-12: Lithium.
- MR-AP-MW-13SR: Cobalt.
- MR-AP-MW-16: Lithium
- MR-AP-PZ-5: Lithium.

The primary difference between the comparison using published GWPS and those based on background is the increased GWPS for lithium with the inclusion of site background and new upgradient well location GS-AP-MW-17V. This increased GWPS (from 0.04 to 0.0809 mg/L) reduces the number of lithium exceedances.

Delineation Wells

Limited groundwater analytical data is available for delineation wells installed at the Site; therefore, groundwater quality is simply compared to the GWPS. Similar to above, this comparison includes variance limits for non-MCL constituents and does not include site-specific background derived GWPS. A review of analytical data derived from delineation wells revealed the following GWPS Exceedances for the first semi-annual sampling event:

- MR-AP-MW-4V: Cobalt, Lithium
- MR-AP-MW-6V: Lithium.
- MR-AP-MW-18H: Lithium.
- MR-AP-MW-19HA: Lithium.
- MR-AP-MW-20H: Lithium.
- MR-AP-MW-30H: Lithium.
- MR-AP-MW-31H: Lithium
- MR-AP-MW-33H: Lithium, Cobalt.
- MR-AP-MW-34H: Lithium.
- MR-AP-MW-35H: Arsenic.
- MR-AP-MW-36HR: Lithium.

Table 6, First Semi-Annual Monitoring Event Analytical Results Summary, provides a summary of all detected constituents for the first semi-annual sampling event. Statistical reporting output is included as **Appendix D.**

5.3.2.2 Second Semi-Annual Groundwater Monitoring Event

Comparison with Published GWPS

For this comparison, variance limits for non-MCL constituents are used, and data from newly installed upgradient wells were not factored in. During the second semi-annual monitoring event, statistical

analysis of Appendix IV data incorporating limits defined in the 2019 ADEM Variance (**Section 3.3.2**) identified the following SSLs over GWPS at the listed downgradient wells:

- MR-AP-MW-1: Lithium.
- MR-AP-MW-2: Cobalt, Lithium.
- MR-AP-MW-3D: Arsenic, Lithium.
- MR-AP-MW-3S: Lithium.
- MR-AP-MW-4: Lithium.
- MR-AP-MW-5: Lithium.
- MR-AP-MW-6: Lithium.
- MR-AP-MW-7SR: Lithium.
- MR-AP-MW-7DR: Lithium.
- MR-AP-MW-9DR: Lithium.
- MR-AP-MW-10: Lithium, Molybdenum.
- MR-AP-MW-11: Lithium.
- MR-AP-MW-12: Lithium, Molybdenum.
- MR-AP-MW-13SR: Cobalt
- MR-AP-PZ-5: Lithium.

Limited groundwater analytical data is available for delineation wells installed at the Site; therefore, groundwater quality is simply compared to the GWPS. Similar to above, this comparison includes variance limits for non-MCL constituents and does not include site-specific background derived GWPS. A review of analytical data derived from delineation wells revealed the following GWPS Exceedances for the second semi-annual sampling event:

- MR-AP-MW-4V: Cobalt, Lithium
- MR-AP-MW-6V: Lithium.
- MR-AP-MW-17H: Lithium.

- MR-AP-MW-18H: Lithium.
- MR-AP-MW-19HA: Lithium.
- MR-AP-MW-20H: Lithium.
- MR-AP-MW-20HS: Lithium.
- MR-AP-MW-27HR: Lithium
- MR-AP-MW-28H: Lithium.
- MR-AP-MW-30H: Lithium.
- MR-AP-MW-31H: Lithium
- MR-AP-MW-33H: Lithium, Cobalt.
- MR-AP-MW-34H: Lithium.
- MR-AP-MW-35H: Arsenic.
- MR-AP-MW-36HR: Lithium.
- MR-AP-MW-37H: Lithium.

Details regarding the installation and sampling of these wells, and future proposed actions as a result of these exceedances, were submitted to ADEM in a delineation report on May 13, 2019, and subsequent progress updates submitted in September 2019 and March 2020.

Comparison with Site Background

During the second semi-annual monitoring event, Appendix IV data were compared to background concentrations from newly installed upgradient well GS-AP-MW-17V. Using concentrations from MR-AP-MW-17V as a guide for site-specific background concentrations, the following SSLs were identified over GWPS at the listed downgradient wells:

- MR-AP-MW-1: Lithium.
- MR-AP-MW-2: Cobalt, Lithium.
- MR-AP-MW-3D: Arsenic, Lithium.
- MR-AP-MW-3S: Lithium.

- MR-AP-MW-5: Lithium.
- MR-AP-MW-7SR: Lithium.
- MR-AP-MW-7DR: Lithium.
- MR-AP-MW-10: Lithium, Molybdenum.
- MR-AP-MW-11: Lithium.
- MR-AP-MW-12: Lithium, Molybdenum.
- MR-AP-MW-13SR: Cobalt
- MR-AP-PZ-5: Lithium.

The primary difference between the comparison using published GWPS and those based on background is the increased GWPS for lithium with the inclusion of site background and new upgradient well location GS-AP-MW-17V. This increased GWPS (from 0.04 to 0.0809 mg/L) reduces the number of lithium exceedances.

Delineation Wells

Limited groundwater analytical data is available for delineation wells installed at the site; therefore, groundwater quality is simply compared to the GWPS. Similar to above, this comparison includes variance limits for non-MCL constituents and does not include site-specific background derived GWPS. A review of analytical data derived from delineation wells revealed the following GWPS Exceedances for the second semi-annual sampling event:

- MR-AP-MW-4V: Cobalt, Lithium
- MR-AP-MW-6V: Lithium.
- MR-AP-MW-17H: Lithium.
- MR-AP-MW-18H: Lithium.
- MR-AP-MW-19HA: Lithium.
- MR-AP-MW-20H: Lithium.
- MR-AP-MW-28H: Lithium.

- MR-AP-MW-30H: Lithium.
- MR-AP-MW-31H: Lithium
- MR-AP-MW-33H: Lithium, Cobalt.
- MR-AP-MW-34H: Lithium.
- MR-AP-MW-35H: Arsenic.
- MR-AP-MW-36HR: Lithium.

Table 7, Second Semi-Annual Monitoring Event Analytical Results Summary, provides a summary of all detected constituents for the second semi-annual sampling event. Statistical reporting output is included as **Appendix D.**

6.0 GROUNDWATER ASSESSMENT AND CORRECTIVE ACTION

As required by Part E of the Order (AO 18-098-GW) and correspondence from ADEM (March 2021), this report provides an update on groundwater delineation activities completed since the submittal of the Facility Plan for Groundwater Investigation (November 13, 2018). The primary purpose of this plan and subsequent phases of work were to identify the horizontal and vertical extent of groundwater impacts defined by EPA Appendix IV groundwater protection standards.

A comprehensive groundwater delineation report summarizing findings was submitted to ADEM in September 2020. The conclusions and results presented indicate that groundwater delineation have been completed to a sufficient degree to define spatial extent of groundwater impacts and to inform a groundwater remedy selection plan.

6.1 CHRONOLOGY OF DELINEATION ACTIVITIES

Beginning in 2019, Semi-Annual Progress Reports have routinely been provided to ADEM in March and September, annually. Alabama Power Company (APC) requested approval to combine information typically provided in the Semi-Annual Progress Reports with Semi-Annual Groundwater Monitoring and Corrective Action Reports on March 15, 2021. ADEM approved this approach and revised timeline for submittals on March 16, 2021. APC will now provide the Department with a discussion of delineation results and activities in each semi-annual groundwater monitoring and corrective action report (July; January) until released in writing.

6.1.1 Delineation Wells

Part B of the Order required the installation of additional wells as necessary to define the extent of groundwater impacts. The following sections describe monitoring wells installed to delineate impacts to groundwater.

Phase I – Groundwater Investigation (January 2019 – August 2019)

Phase I was conducted between the dates of January 14, 2019, and August 15, 2019. **Tables 1a** through **1c** and **Figure 5** present details and locations of delineation wells. The following summarizes all activities that were completed during Phase I of groundwater delineation at the Site:

- Installed four horizontal delineation wells (MR-AP-MW17H, MR-AP-MW-18H, MR-AP-MW-20H, and MR-AP-MW-20HS), two vertical delineation wells (MR-AP-MW-4V and MR-AP-MW-6V), and three ash pond piezometers (MR-AP-MW-2V, MR-AP-MW-3V, and MR-AP-MW-19H) between January 14, 2019, and February 23, 2019. Additionally, a characterization well (MR-AP-MW-21) was installed approximately two miles west-northwest of Plant Miller to assess the viability of using the well for background groundwater quality. The location was chosen based upon similar position on the Sequatchie Anticline and APC land ownership. This area is on the opposite limb of the Sequatchie Anticline, but at similar elevation, structural, and stratigraphic setting.
- Developed delineation wells between February 1, 2019, and March 3, 2019. Vertical delineation wells MW-2V and MW-3V and horizontal delineation well MW-19H did not yield sufficient water for well development or sampling and were designated as water level only piezometers.
- Sampled the newly installed wells that were successfully developed on March 5, 2019, and March 6, 2019.
- Submitted a Groundwater Investigation Report to the Department on May 13, 2019. This report recommended a second phase of groundwater investigation to complete delineation of groundwater impacts as required by Part B of the Order and included a well installation plan to install additional upgradient monitor wells in the area of the previously successfully installed monitor well MR-AP-MW-21. The installation of the proposed additional upgradient locations was approved in July 2019 by ADEM.
- Submitted an Assessment of Corrective Measures to the Department on July 11, 2019, as required by Part C of the Order.
- Submitted a Phase II – Groundwater Delineation Plan to the Department on August 15, 2019. This plan documented planned activities associated with proposed Phase II delineation efforts.
- On December 30, 2019, provided the Department with a response to comments received from the Department on November 14, 2019.

Phase II – Groundwater Investigation (November 2019 – September 2020)

Following a review of data gathered from the Phase I Investigation, additional groundwater investigation was proposed to the Department in a Phase II Delineation Plan submitted August 15, 2019, to further delineate extent of groundwater impacts. Additionally, ash pond closure activities necessitated the

abandonment and relocation of nine downgradient compliance locations. A plan for the abandonment and relocation of the nine monitoring wells was submitted to ADEM in February 2020 and approved in May 2020. **Tables 1a** through **1c** and **Figure 5** present details and locations of Phase II delineation well activities conducted between the dates of November 20, 2019, and March 10, 2020.

Phase II abandonment, replacement, and additional upgradient activities conducted between June 16, 2020, and September 25, 2020, were ongoing and at the time of this report.

The following summarizes all activities that were completed during Phase II of groundwater delineation at the Site:

- Installed twelve horizontal delineation wells (MR-AP-MW-19HA, MR-AP-MW-27H, MR-AP-MW-28H, MR-AP-MW-29H, MR-AP-MW-30H, MR-AP-MW-31H, MR-AP-MW-32H, MR-AP-MW-33H, MR-AP-MW-34H, MR-AP-MW-35H, MR-A-MW-36H, and MR-AP-MW-37H) and one additional upgradient well (MR-AP-MW-23) between November 20, 2019 and January 7, 2020.
- Developed the delineation wells and upgradient well between December 16, 2019, and February 24, 2020. Horizontal delineation wells MR-AP-MW-27H, MR-AP-MW-29H, MR-AP-MW-31H, and MR-AP-MW-36H did not yield sufficient water for well development or sampling and were designated as water-level-only piezometers.
- Sampled the newly installed wells that were successfully developed during semi-annual assessment monitoring between March 2, 2020, and March 12, 2020.
- Submitted a Groundwater Monitoring Well Installation and Abandonment Request February 19, 2020, and revised April 22, 2020, that was approved by ADEM May 4, 2020. A revised workplan plan provided additions to the original scope of work to include the abandonment and reinstallation of three previously installed horizontal delineation wells re-designated as piezometers (MR-AP-MW27H, MR-AP-MW-29H, and MR-AP-MW-36H) and the installation of one additional upgradient well location (MR-AP-MW-22). Additionally, the plan included a reduction of the number of relocation monitoring wells from nine to seven.
- Abandoned nine downgradient monitor wells (MR-AP-MW-7S, MR-AP-MW-7D, MR-AP-MW-8S, MR-AP-MW-8D, MR-AP-MW-9S, MR-AP-MW-9D, MR-AP-MW-13S, MR-AP-MW-13D, and MR-AP-MW-14) due to ash pond closure activities on June 16, 2020, and June 17, 2020.

- Installed replacement downgradient monitor wells (MR-AP-MW-7SR, MR-AP-MW-7DR, MR-AP-MW-9SR, MR-AP-MW-9DR, MR-AP-MW-13SR, MR-AP-MW-13DR, and MR-AP-MW-14R) between June 29, 2020, and July 15, 2020.
- Abandoned previously installed unsuccessful horizontal delineation wells (MR-AP-MW27H, MR-AP-MW-29H, and MR-AP-MW-36H) between August 9, 2020, and August 22, 2020, and installed replacement wells (MR-AP-MW27HR and MR-AP-MW-36HR) on August 9, 2020. The replacement horizontal delineation well (MR-AP-MW-29HR) boring was abandoned August 5, 2020, due to the presence of predominately mine spoils.
- Installed four additional upgradient monitor wells (MR-AP-MW-23A, MR-AP-MW-22S, MR-AP-MW-22I, and MR-AP-MW-22D) approximately two miles west-northwest of Plant Miller between August 18, 2020, and September 2, 2020.
- Surveyed replacement well and additional upgradient wells between September 23, 2020, and September 25, 2020.

6.2 NATURE AND QUANTITY OF RELEASE

Part B of the Order also required collecting data on the nature and estimated quantity of material released. To collect data regarding the nature of the source and estimated quantity of material released, sampling of ash pore-water at 3 locations was conducted. Ash pore-water was sampled for all EPA Appendix III and IV constituents. Groundwater quality data is compared to source water and leachate composition to provide a basis for evaluating the degree to which the source area has contributed to constituents to groundwater.

6.3 DELINEATION RESULTS

Groundwater Monitoring and Corrective Action reports for the Plant Miller Ash Pond have identified SSLs in groundwater for arsenic, cobalt, lithium, and molybdenum. Isoconcentration maps are presented in **Figures 8A** through **12B,** respectively.

Isoconcentration lines shown on **Figures 8A** through **12B** are data-driven contours derived from the spatial distribution of constituent concentrations in the well network. When spatially distributed objects are spatially correlated (objects close to together have similar characteristics) interpolation analysis can be used to predict "unknowns" between objects. ArcGIS and geostatistical analyst are utilized to interpolate chemical concentrations between well locations. This process involves the transformation of chemical concentration data to log-normal distribution prior to interpolation. In cases where concentrations decrease below the GWPS in between well pairs, the extent of groundwater impacts are interpreted from the interpolated (predicted) data set. This method considers the spatial pattern of decreasing concentrations observed in nearby wells. Additionally, when applicable, isoconcentration maps have been subdivided by major flow system.

The location and spacing of delineation wells are largely based upon the following goals and Site factors:

1. Determine if impacts to groundwater could extend off-site in the direction of groundwater flow away from the facility.
2. Evaluate potential for vertical migration adjacent to compliance wells with SSLs and within the context of site hydrogeology.
3. Address key data gaps between phases – working in from property line or off-site depending on gaps.
4. Ability to safely access locations with drill rig and supporting equipment.
5. Occurrence of groundwater and sufficient groundwater yield/recharge at locations.
6. Delineate extent of impacts and capture additional hydrogeologic data necessary to evaluate the feasibility of groundwater remediation technologies.

As shown on **Table 1b,** 17 delineation wells have been installed at the site to assess potential impacts. Additionally, 3 delineation wells were installed but did not produce sufficient groundwater yield to sample (**Table 1c**).

The geology, hydrostratigraphy, and geochemical variability (including potential natural sources of trace metals) beneath Plant Miller is incredibly complex. The following discussion provides the most comprehensive discussion of hydrostratigraphy and results to date. **Section 6.4** provides a recommended path forward.

Arsenic Delineation

At the Site, arsenic has exceeded the GWPS at compliance wells MR-AP-MW-3D and MR-AP-MW-5, and more recently, delineation well MR-AP-MW-35H. **Figure 8A, Arsenic Isoconcentration Map (March 2022),** shows the locations and extent of arsenic concentrations over the 0.01 mg/L GWPS during the first semi-annual monitoring event. **Figure 8B, Arsenic Isoconcentration Map (September 2022),** shows the locations and extent of arsenic concentrations over the 0.01 mg/L GWPS during the second semi-annual monitoring event.

Figures were not subdivided by flow system because arsenic exceedances are so limited. Arsenic SSLs are limited to the Mary Lee – Gillespy Transition Zone and the Gillespy Lower Discrete Flow Interval. These flow systems are separated by 50 to 100 feet of strata and as described below, the Mary Lee – Gillespy Transition Zone was not observed to be productive further west or south of MR-AP-MW-3S/3D.

Mary Lee – Gillespy Transition Zone

Following the March 2022 sampling event, statistical analyses indicated that arsenic was no longer an SSL in well MR-AP-MW-3D. However, an increase in arsenic during the September 2022 sampling event resulted in an SSL. This increase in arsenic may partially be related to sampling with higher turbidity. The previous 4 samples occurred with turbidity below 4 NTU, whereas the September 2022 sample was collected at nearly 8 NTU.

CCR indicators show consistent decreasing trends - indicating an overall improvement in groundwater quality observed in well MR-AP-MW-3D. Boron, calcium, chloride, conductivity, and sulfate have shown significant decreases in concentration. Field pH also demonstrated a notable decrease during the most recent sampling event. Additionally, groundwater elevations declined notably over the course of 2022 in response to dewatering activities at the Site.

Proximal to MR-AP-MW-3D, (1) the shallow, paired well MR-AP-MW-3S has never exceeded the GWPS for arsenic (range of non-detect to 0.0026 mg/L) and (2) a deeper focused vertical delineation well, MR-AP-MW-3V, drilled to a terminal depth of 225 feet and logged with geophysical and hydrophysical methods, did not encounter a deeper interval of groundwater production. MR-AP-MW-3V was installed approximately 55 feet deeper than MR-AP-MW-3D and screened 10 to 20 feet above the Mary Lee Coal seam, but as indicated by logging, was not a productive well. This data shows that groundwater flow in this area is likely preferential and limited to the bedding plane parallel fractures screened by wells MR-AP-MW-3S and MR-AP-MW-3D. Given the lack of groundwater production below the MR-AP-MW-3D screen interval, and the discrete nature of this flow interval, no additional vertical delineation has been recommended.

To the west of MR-AP-MW-3D, there is a steep slope down to a narrow valley, which is bordered to its' west by steep slope upward to a north-south trending ridge. These sharp changes in topography prevent horizontal delineation from occurring at a close spacing to MR-AP-MW-3D. As a result, MR-AP-MW-18H, was installed on the opposite ridgeline for purposes of groundwater delineation west of MR-AP-MW-3D. The geophysical log obtained from MR-AP-MW-18H identified the equivalent stratigraphic interval screened by MR-AP-MW-3D; however, hydrophysical logging did not provide strong indications of groundwater flow/yield coming from it. Therefore, the well was ultimately installed deeper within an alternating mudstone, sandstone sequence within the Mary Lee Coal Group (~ 50 to 60 feet above the Mary Lee coal). To date, analytical results from MR-AP-MW-18H have shown arsenic to be non-detect.

Gillespy Lower Discrete Flow Interval

During the March 2022 sampling event, the arsenic concentration in well MR-AP-MW-5 decreased to 0.00987 mg/L and below the GWPS (**Figure 8A**). Arsenic concentrations remained below the GWPS during the September 2022 sampling event and displayed a minor decrease down to 0.00931 mg/L (**Figure 8B)**.

The original geophysical and hydrophysical log (Original Log Title: Geophysical Record of Borehole 4) demonstrated prominent upward flow emanating from two fractures centered at approximately 54 feet and 56 feet depth. A notable second flow system was encountered at the Mary Lee coal seam where upward groundwater flow was observed between 218 feet and 230 feet depth. MR-AP-MW-5 was screened across the more prominent upper flow interval and MR-AP-PZ-5 was screened across the lower Mary Lee flow

interval. Arsenic concentrations in MR-AP-PZ-5 have ranged from non-detected to 0.0063 mg/L and show vertical delineation down to the Mary Lee Coal Seam.

Like MR-AP-MW-3D, horizontal delineation locations west of MR-AP-MW-5 are restricted by sloping topography as well as the Miller spillway, or outfall conveyance, which resides adjacent to MR-AP-MW-5. Therefore, MR-AP-MW-19H and MR-AP-MW-19HA, were installed on the north to south trending ridgeline situated west of the Ash Pond. MR-AP-MW-19H was bored down to a depth of 206 feet initially but borehole geophysics and hydrophysical logging revealed no groundwater flow zones. The borehole was then extended down to a depth of approximately 265 feet and re-logged with the same geophysical and hydrophysical suite of tools. The interval from 206 to 265 did not contain a discernible flow system either. Given the absence of groundwater flow signatures, the decision was made to backfill the hole and screen the equivalent stratigraphic interval as is screened by MR-AP-MW-5. Not unexpectedly, given field and geophysical observations, MR-AP-MW-19H did not yield groundwater at a sufficient rate for development or sampling. In fact, the groundwater elevation data provided in **Table 3**, shows that the well is still slowly, recovering 3 years after development

During the phase 2 field investigation, a replacement well, MR-AP-MW-19HA, was advanced to and screened across the deeper Mary Lee coal flow zone monitored in MR-AP-PZ-5. Geophysical and hydrophysical logging provided strong indications of flow emanating from the Mary Lee. Analytical results from MR-AP-MW-19HA show both low-level, and decreasing arsenic concentrations, well below the GWPS.

Additionally, since horizontal delineation was not feasible immediately to the west, MR-AP-MW-33H, was installed to the north of MR-AP-MW-5 to assess arsenic concentrations in the same flow interval downgradient of the ash pond dam (Gillespy Lower Discrete Flow Interval). Strong signs of groundwater flow were observed between depths of 29 and 40 feet BGS. Stratigraphically, the location of MR-AP-MW-33H, is approximately 46 feet up dip of MR-AP-MW-5 and therefore, the bottom portions of the MR-AP-MW-33H well screen interval overlap with that of the MR-AP-MW-5 well screen. Arsenic concentrations from well MR-AP-MW-33H have ranged from 0.00362 (J) mg/L to 0.0048 mg/L and are well below the GWPS for arsenic.

Downgradient of MR-AP-MW-5, MR-AP-MW-20H monitors the Gillespy Lower Discrete Flow Interval and has provided only low-level concentrations of arsenic. Similarly, within this flow system, MR-AP-MW-4V located further to north has demonstrated low-level concentrations of arsenic.

Based upon the review of 2022 monitoring event data, no additional arsenic delineation is necessary due to declining arsenic concentrations in well MR-AP-MW-5 and low-level concentrations in neighboring wells. MR-AP-MW-5 was observed to have a boron isotopic signature more representative of meteoric/natural weathering sources and tritium value that represents potential for groundwater to be older than the ash pond (1971 to 1978). An extensive geogenic study exploring natural sources of COI is being conducted in 2023 and may provide a better understanding of arsenic source in the vicinity of MR-AP-MW-5.

Mary Lee Coal Group

As shown on **Figure 8A** and **Figure 8B**, Arsenic has exceeded at delineation well MR-AP-MW-35H. However, the arsenic exceedance at this location does not appear to be an impact from the facility and no further delineation is being proposed in this area. The rationale are:

(1) Groundwater flow direction is generally towards the Ash Pond and Locust Fork – indicating that a hydraulic connection does not exist between the well and ash pond (**Figures 6A/7A**).
(2) Arsenic has not been detected above the GWPS in wells between MR-AP-MW-35H and the ash pond or generally, along the northern and northwestern boundaries (**Figures 8A/8B**).
(3) Arsenic has not been detected above the GWPS in Mary Lee Coal Group wells (**Figures 8A/8B**).
(4) Low boron concentrations
(5) Different geochemical facies than ash pond pore-water samples
(6) Groundwater elevations not responsive to ash pond dewatering.

No additional delineation is proposed or recommended in this area.

Pratt Coal Group

Arsenic concentrations in well MR-AP-MW-10 increased significantly during 2022 but have not yet been observed as an SSL. Prior to 2022, arsenic concentrations were j-flagged 15 out of 17 times and demonstrated a low concentration range between 0.001 and 0.003 mg/L. A 30-ft decrease in groundwater elevation was noted over 2022 along with increasing conductivity, sodium, sulfate, boron, and TDS. A significant DO spike was observed during the March monitoring event as well. Evidently, this well appears to be in a state of change or disequilibrium. The nature of this change is being researched. If arsenic concentrations remain elevated in 2023 delineation, additional field studies may be necessary.

Lithium Delineation

As presented in **Section 5.3.2**, lithium exceedances downgradient of the Plant Miller Ash Pond are the most numerous. Lithium concentrations have been observed above 0.04 mg/L in 44 active or historical wells – which represent 85% of wells sampled. Included in these numbers are six background locations. This indicates that a GWPS of 0.04 mg/L is not representative of lithium concentrations in upgradient/background groundwater. **Figures 9A** and **10A** provide illustrations of lithium concentrations observed in 2022.

Background piezometers, installed to the northwest of the ash pond and on the opposite side of the Locust Fork, have been sampled and analyzed for Appendix III and Appendix IV constituents to ascertain groundwater quality in the Pottsville. Additionally, upgradient wells at Plant Gorgas facilities can be used to further evaluate groundwater quality and variability in the Pottsville. A review of this data suggests that background lithium concentrations are quite commonly elevated in respect to 0.04 mg/L and display naturally variability.

Table 8, Pottsville Background – Lithium and Boron Concentrations, provides background lithium and boron concentration ranges in groundwater by well and by coal group. As presented in this table, lithium concentrations range from 0.0252 to 1.17 mg/L in the lower Mary Lee Coal Group, ND to 0.1030 mg/L in the Upper Pratt Coal Group, and 0.0241 to 0.419 in the Pratt Coal Group + Mine Backfill category. Eight of the thirteen wells had lowest concentrations above the lithium GWPS (0.04 mg/L). The following discussion examines lithium concentrations and is broken down by flow system.

Mary Lee Flow System (Lowermost Flow System)

Figure 9B, Mary Lee Aquifer – Lithium Isoconcentration Map (March 2022), presents lithium concentrations from the first sampling event. **Figure 10B, Mary Lee Aquifer – Lithium Isoconcentration Map (September 2022)**, presents lithium concentrations from the second sampling event.

As shown on **Figure 6A/7A**, groundwater elevations from the most recent monitoring event are nearly uniform within the Mary Lee Flow system, with no apparent gradient towards or away from the ash pond. This is the result of a hydraulic connection with the underground Mary Lee mine (Porter Mine) which may have a constant head near 280 feet MSL. Groundwater elevations in Mary Lee wells demonstrate a vertical hydraulic separation of approximately 123 feet from the historic operating levels within the ash

pond (423 to 280 ft MSL) and are physically separated by 150 to 300 feet of Pottsville strata. Given the (1) lack of hydraulic gradient away from the ash pond, (2) large, vertical hydraulic separation indicative of confining conditions, and (3) great thickness of low permeability materials in between the ash pond and the Mary Lee Flow System, it does not appear as if the Mary Lee Flow System is a pathway for contaminant migration or is hydraulically connected to the ash pond.

Nine of 13 Mary Lee coal samples viewed from the USGS COALQUAL database exceeded the lithium crustal average of 20 ppm, and typically ranged from 30 to 45 ppm, providing a documented natural source of lithium. Lithium concentrations in the Mary Lee flow system during the most recent sampling event ranged from 0.0298 to 0.2680 mg/L. Boron concentrations ranged from 0.0653 to 0.2710 mg/L. These results are similar to upgradient piezometers screened in the Mary Lee Coal Group presented in **Table 8** where lithium concentrations have ranged from 0.0252 to 1.20 mg/L (averaging – 0.482 mg/L) and boron concentrations have ranged from 0.0619 to 0.779 mg/L (averaging – 0.338 mg/L).

Geochemically, Piper Diagram**s** show that four of the five wells screened across the Mary Lee coal are in geochemical facies indicative of deep, old groundwater. Two wells (MR-AP-MW-19HA and MR-AP-PZ-5) plot in the bottom quadrant of the diamond which represents a sodium bicarbonate water type. Sodium bicarbonate water types are typical of deep groundwater that is influenced by ion-exchange processes. Two wells (MR-AP-MW-1 and MR-AP-MW-34HA) plot in the right quadrant of the diamond which represents a sodium chloride water type. Sodium chloride water types are typical of marine and deep, ancient groundwater. This piper and geochemical facies analyses correlates well with site hydrogeologic and geologic data and further suggests that the Mary Lee is not a potential pathway for COI migration.

The sample from MR-AP-MW-2 plotted in the upper quadrant which indicates a calcium chloride water type. This water type does match the typical water type of CCR pore water and thus, further geochemical analyses will be conducted to explore potential sources of elevated lithium in MR-AP-MW-2. However, boron isotopic analyses, boron to lithium ratios, and lack of groundwater elevation response to ash pond dewatering strongly suggests a natural/mine-aided source of lithium in well MR-AP-MW-2. Tritium age dating suggests potential groundwater ages of 1958 to 1961 or 1967 to 1971 which pre-date the ash pond (1978).

No additional delineation is recommended in the vicinity of wells MR-AP-MW-1, MR-AP-MW-2, MR-AP-PZ-5, MR-AP-MW-19HA, and MR-AP-MW-34H due to hydrogeologic and geochemical data discussed above.

Mary Lee – Gillespy Transition

Monitoring wells MR-AP-MW-3S and MR-AP-MW-3D occupy discrete groundwater yielding intervals between the Mary Lee coal seam (75 to 110 ft above) and the Gillespy Lower Discrete Flow Zone (40 to 60 ft below) not readily observed in wells to the south or west (perhaps in geophysical log for MR-AP-PZ-5 at depth of ~100 ft BGS). For the purposes of this discussion, we will label this discrete flow zone the Mary Lee to Gillespy Transition Zone although it likely represents the basal flow interval of the Gillespy Coal Group.

MR-AP-MW-3S has exhibited stable or decreasing trends for lithium and boron over the last 3 sampling events. This follows an increasing trend which began in 2018. Data analyses suggest strong possibility that MR-AP-MW-3S has a natural/geogenic source of lithium. The rationale supporting this classification are boron isotopic analyses, boron to lithium ratios, and geochemical facies indicative of older or different water from pore-water.

MR-AP-MW-3D, installed 30 feet deeper, has demonstrated flat to slightly downward trends for lithium and boron. These paired well locations demonstrate confined conditions between the screened intervals as groundwater elevations in MR-AP-MW-3S typically range from 347 to 350 feet MSL and groundwater elevations in MR-AP-MW-3D typically range from 325 to 330 feet MSL. During most monitoring events, groundwater elevations demonstrate a hydraulic separation between 19 and 21 feet.

MR-AP-MW-3V, drilled to a terminal depth of 225 feet and logged with geophysical and hydrophysical methods, did not encounter a deeper interval of groundwater production. MR-AP-MW-3V was installed approximately 55 feet deeper than MR-AP-MW-3D and screened 10 to 20 feet above the Mary Lee Coal seam, but as indicated by logging, was not a productive well. This data shows that groundwater flow in this area is likely preferential and limited to the bedding plane parallel fractures screened by wells MR-AP-MW-3S and MR-AP-MW-3D. Given the lack of groundwater production below the MR-AP-MW-3D screen interval, and the discrete nature of this flow interval, no additional vertical delineation has been recommended. Furthermore, as previously discussed with arsenic delineation results, the Mary Lee coal - which would be the next (deeper) flow system encountered, does not appear hydraulically connected to the ash pond.

To the west of MR-AP-MW-3D, there is a steep slope down to a narrow valley, which is bordered to its' west by steep slope upward to a north-south trending ridge. These sharp changes in topography prevent horizontal delineation from occurring at a close spacing to MR-AP-MW-3D. As a result, MR-AP-MW-

18H, was installed on the opposite ridgeline for purposes of groundwater delineation west of MR-AP-MW-3D. The geophysical log obtained from MR-AP-MW-18H identified the equivalent stratigraphic interval screened by MR-AP-MW-3D; however, hydrophysical logging did not provide strong indications of groundwater flow/yield coming from it. Therefore, the well was ultimately installed deeper within an alternating mudstone, sandstone sequence within the Mary Lee Coal Group (~ 50 to 60 feet above the Mary Lee coal).

Stratigraphically, the screened interval of MR-AP-MW-18 is approximately 30 feet lower than the screened interval of MR-AP-MW-3D. To date, analytical results from MR-AP-MW-18H have shown strong seasonality, where lithium concentrations typically demonstrate much lower concentrations in the late winter/early spring (0.0875 to 0.10 mg/L) and much higher concentrations in the late summer/early fall (0.215 to 0.230 mg/L). To date, 1 sample has been collected in the late spring/early summer (May 2021 – most recent), and the concentration observed, 0.1670 mg/L, falls nearly half-way between the winter/early spring and later summer/early fall concentration ranges. This further supports seasonally driven concentration patterns. This pattern is not observed in wells MR-AP-MW-3S, MR-AP-MW-3D, or any other well nearby and perhaps, suggests an alternative source of lithium.

Piper diagrams further suggests an alternate source by showing that MR-AP-MW-18H has a sodium chloride water type which is indicative of deep, ancient groundwater and different than the calcium chloride water type typical of CCR leachates.

Gillespy – Lower Discrete Flow Zone

Figure 9C, Gillespy Lower Discrete Flow Zone – Lithium Isoconcentration Map (March 2022) and Figure 10C, Gillespy Lower Discrete Flow Zone – Lithium Isoconcentration Map (September 2022), present lithium concentrations observed in this discrete flow zone - which resides approximately 150 to 160 feet above the base of the Mary Lee coal seam. As shown on these figures, lithium concentrations ranged from 0.12 to 0.217 mg/L and show a general trend of increasing concentration in the downgradient direction.

Historically, MR-AP-MW-4V, located most proximal to the ash pond, has demonstrated concentrations below or near the GWPS and therefore, provided northern delineation. However, during the March 2022 sampling event, lithium concentrations increased to 0.12 mg/L and then again in September 2022 to 0.155 mg/L. Multiple parameters have followed suit with increasing trends in 2022.

To the south, the pattern of increased concentrations may be related to: (A) location of dam providing higher driving force (gradients) for preferential flow, (B) increased hydraulic communication via vertical fractures, or (C) increasing contributions of alternative or natural sources of lithium along the flow path.

Gillespy – Lower Sandstone Interval

Figure 9D, Gillespy Lower Sandstone Unit(s) – Lithium Isoconcentration Map (March 2022) and Figure 10D, Gillespy Lower Sandstone Unit(s) – Lithium Isoconcentration Map (September 2022), present lithium concentrations observed in this discrete flow zone - which resides approximately 60 to 70 feet above the Gillespy Lower Discrete Flow Zone (presented **Figures 9C/10C**) and approximately 250 feet above the base of the Mary Lee coal (presented **Figures 9B/10B**). Due to the limited spatial occurrence (interval would daylight to the north between MR-AP-MW-4/4V and MR-AP-MW-6/6V), only three wells are installed across this interval. Lithium concentrations ranged from non-detect to 0.130 mg/L in this flow zone during 2022.

Groundwater elevations in this flow interval are unique as (1) hydraulic gradients are minimal, (2) groundwater elevations indicate no connection with the ash pond (pond el. = 423 ft MSL vs interval gw el. = ~259 ft MSL), and (3) groundwater flow direction is nearly due east with no apparent components of radial flow or influence from the ash pond. Furthermore, it appears as if there is a small upward vertical gradient from the Gillespy Lower Discrete Flow Zone towards the Lower Sandstone Interval, although more data would be needed to state that explicitly.

As shown on **Figures 9D/10D**, the Lower Sandstone Interval is delineated to the south by well MR-AP-MW-32H, which given the apparent groundwater flow direction on **Figures 6C/7C**, is not surprising. Additional evaluation is needed to further evaluate lithium in this flow interval.

The results of the technical data evaluation presented in the previous subsection shows a dominant natural signature of COI in well MR-AP-MW-6V and inconclusive geochemical signature in well MR-AP-MW-7DR. It is recommended that further ASD evaluation be conducted in core samples from MR-AP-MW-7DR prior to further assessment. The northern extent of potential impacts can be assumed based upon structural dip and where this flow system/strata would daylight to the north.

Gillespy – Upper Sandstone Interval

Figure 9E, Gillespy Coal – Pratt Transition Zone – Lithium Isoconcentration Map (March 2022) and **Figure 10E, Gillespy Coal – Pratt Transition Zone – Lithium Isoconcentration Map (September 2022)**, present lithium concentrations observed in this zone - which resides approximately 25 to 70 feet above the Gillespy Lower Sandstone Interval (presented **Figure 9D/10D**).

The lower screened intervals of this zone, captured by wells MR-AP-MW-7S and MR-AP-MW-27HR, are likely discrete intervals confined from wells installed higher stratigraphically, and presented on **Figures 9E/10E**. It is also important to note, that this zone is not present in the subsurface west of MR-AP-MW-4, MR-AP-MW-6, and MR-AP-MW-7S due to lower topography. Similarly, this zone will not be present in the subsurface north of MR-AP-MW-4 and from a point about 200-300 feet north of MR-AP-MW-16 due to structural dip and topography (daylights north of these areas – above ground surface or not present). These areas to the west and north have already been addressed by discussion of deeper flow systems.

As shown on **Figures 9E/10E**, lithium concentrations increase in the general direction of groundwater flow to the southeast. Lithium concentrations increase significantly under the southeastern portion of the Site which was previously strip-mined down to the American Coal (lowermost major coal of the Pratt Group). Based on this information, additional delineation in this flow system would have to occur further southeast – which is also the location of a Pratt Group coal mine. Proposing delineation within the footprint of a strip mine is dubious, as wells would likely not provide representative groundwater quality, and could introduce additional sources of lithium, including coal storage, weathered mine backfill, and mine impoundments. A single, additional delineation well southeast of MR-AP-MW-7SR could be installed to add additional coverage near the property line. However, this area of the Site is also adjacent to the Pratt Coal Group mine noted above.

To the north, lithium concentrations are above the GWPS in well MR-AP-MW-16, but it has not been observed as an SSL.

Pratt Group

Figure 9F, Pratt Coal Group – Lithium Isoconcentration Map (March 2022) and **Figure 10F, Pratt Coal Group – Lithium Isoconcentration Map (September 2022)**, present lithium concentrations observed in Pratt Coal Group strata. The Pratt Coal Group only underlies the extreme southeastern portion of the Site and was extensively strip mined directly adjacent to the ash pond. Strip mining generally occurred to the east of a line drawn from MR-AP-MW-7SR/DR to MR-AP-MW-13SR/DR. Wells

installed at the Site to monitor the Pratt Coal Group largely avoided mine backfill material but are installed lateral to this backfilled strip mine.

Similar to lithium concentrations in the Gillespy-Pratt transition zone (**Figures 9D/10D**), lithium concentrations increase significantly beneath portions of the site previously strip mined. It is likely that historical strip mining and weathered backfilled materials contribute to the elevated lithium in these areas.

Additional delineation would typically be proposed to the southeast. However, as mentioned above, the adjacent properties to the southeast are all strip mines where the Pratt Group has been or is in the process of being removed. Aerial imagery indicates that, most, if not all, Pratt Group strata has been removed southeast of the ash pond. Further southeast and adjacent to these mines, are a coalbed methane degasification field.

Therefore, no additional horizontal delineation is feasible to the southeast in the Pratt Coal Group flow system. Boron isotope sampling and analyses is recommended in select wells in this flow system to determine for CCR signatures. The notable increases in lithium concentrations underlying strip mined areas combined with relatively lower boron concentrations may indicate an alternative source for some of these wells.

Cobalt Delineation

Figure 11A, Cobalt Isoconcentration Map (March 2022) and **Figure 11B, Cobalt Isoconcentration Map (September 2022),** show that cobalt concentrations at the Site. Historically, cobalt has demonstrated GWPS exceedances at locations MR-AP-MW-2, MR-AP-MW-4, MR-AP-MW-6, and MR-AP-MW-13S/13SR.

The average cobalt concentration in well MR-AP-MW-4 during 2022 was 0.0045 mg/L. The average cobalt concentration in well MR-AP-MW-6 during 2022 was 0.0057 mg/L. These averages are below the GWPS for cobalt. Both MR-AP-MW-4 and MR-AP-MW-6 have shown steady decreases in cobalt concentration over the historical range – suggesting (1) a finite source of cobalt and/or (2) geochemical disequilibrium from well installation are factors. Well MR-AP-MW-2 has also demonstrated an overall decline from initial installation but has stabilized somewhat over the last two years.

Vertical delineation wells MR-AP-MW-2V, MR-AP-MW-4V, and MR-AP-MW-6V were installed to assess deeper groundwater quality. Additionally, data from compliance well MR-AP-MW-13DR can be used for vertical delineation of cobalt at well MR-AP-MW-13SR.

Well MR-AP-MW-4V has shown a cobalt concentration range between 0.002 and 0.013 mg/L with an average concentration of 0.007 mg/L. Over the past two years an upward trend has been noted.

Well MR-AP-MW-6V has been sampled 9 times but has never exceeded the GWPS for cobalt. Cobalt has been non-detect in 5 of these sampling events and displays an average concentration of 0.003 mg/L.

Well MR-AP-MW-13DR has been sampled 5 times and has never exceeded the GWPS for cobalt. Cobalt displays a concentration range between non-detect and 0.0009 mg/L. It is also noteworthy, that well MR-AP-MW-13SR, has (1) a groundwater elevation higher than the ash pond – indicating upgradient water quality and (2) lacks elevated concentrations of boron and lithium. This could support a link to a naturally occurring source of cobalt.

Laterally, cobalt is to delineated (1) to the west of MR-AP-MW-4 by MR-AP-MW-34H, (2) southwest and southeast of MR-AP-MW-6 by MR-AP-MW-19HA, MR-AP-MW-20H, MR-AP-MW-20HS, MR-AP-MW-32H, MR-AP-MW-7SR, and MR-AP-MW-7DR. The cobalt exceedance at delineation well MR-AP-MW-33H is delineated to the south by MR-AP-MW-5, southwest by well MR-AP-MW-19HA, and northeast by well MR-AP-MW-4V. As shown on **Figure 6B/7B**, the primary flow direction in the Gillespy Lower Discrete Flow Zone is to the south and south-southwest rather than west.

The cobalt exceedance in well MR-AP-MW-2 is considered vertically delineated as the attempted vertical delineation well MR-AP-MW-2V did not yield sufficient groundwater for development or sampling. As described in the lithium delineation discussion, site geologic and hydrogeologic data is showing that the Mary Lee coal is an unlikely flow path for COI away from the ash pond. This is due to significant hydraulic separation, thickness of low permeability Pottsville separating the base of the pond from the Mary Lee, lack of apparent flow gradients away from the ash pond, and geochemical fingerprinting. As mentioned in the lithium delineation section, boron isotope sampling and analyses will be conducted at MR-AP-MW-2 prior to further delineation. Laterally, cobalt is below GWPS to north (MR-AP-MW-35H), to the west (MR-AP-MW-17H), and south (MR-AP-MW-18H). All of these wells are screened across the Mary Lee or within Mary Lee Coal Group strata (MW-17H and MW-35H).

The cobalt concentration increase in well MR-AP-MW-15 is notable only in the Fall 2022 sampling event – indicating some potential for an outlier. Historically, cobalt has been non-detect or detected only at trace concentrations in 15 of 19 sampling events. However, the recent increase was correlated with increases in other constituents suggesting that a close review needs to be conducted of future data sets.

Molybdenum Delineation

Molybdenum was observed as an SSL for the first time during the first semi-annual monitoring period of 2022 in wells MR-AP-MW-10 and MR-AP-MW-12. Existing delineation wells downgradient to the east and south of these locations have not exhibited molybdenum concentrations over the GWPS and therefore, can be considered delineated horizontally.

6.4 STATUS OF DELINEATION

A detailed review of historical geochemical and site data conducted during the first semi-annual monitoring period provided strong indications of alternative sources of COI as well as highlighted the need for additional background locations to capture and quantify lithium concentrations closer to the ash pond area.

Prior to completing additional assessment and delineation activities, it is recommended that the following tasks be accomplished to better inform decision making on these types of activities:

1) Installation and sampling of additional background wells in the vicinity of the plant proper,
2) Perform geogenic source study to further evaluate natural or alternative sources of COI, and
3) Complete additional pore-water and source characterization sampling.

The geogenic study will be an extensive and technically robust investigation into sources of COI. This study will include total COI concentrations in geologic materials along groundwater flow paths, COI associations with minerals and mineralogical assemblages, and the ability of COI to mobilize into groundwater. This study will continue the evaluation of geochemistry including geochemical facies comparisons and specialized isotopes. Lastly, the study will look at groundwater elevations, stratigraphy, and flow paths to further evaluate hydraulic connections of deeper flow systems (Mary Lee and Gillespy-Lower Discrete Zone). In general, the study will closely resemble the methods described below.

Matrix	Analysis	Laboratory	Description
Leachate	Leachate Sampling	APC Lab	Pore-water samples collected to characterize the potential source, analyzed for field parameters, App III & IV
Groundwater	Groundwater Sampling	APC Lab	Routine groundwater samples collected as part of CCR compliance monitoring, analyzed for field parameters, App III & IV, and general chemistry/mna parameters
	Boron Isotope Analysis	Isotope Trace Technologies, Inc.	Groundwater samples analyzed for ^{10}B and ^{11}B using TIMS and reported as $\delta^{11}B$. Boron isotopic signatures have been successfully demonstrated to fingerprint CCR sources in groundwater
Rock Core	Total Metals	SGS Canada, Inc.	Aqua regia and multi-acid digestion to determine the association between solid phases of site geologic media and select elements. Aqua regia is a partial digestion that primarily dissolves carbonates, sulfides, hydroxides, organically-bound metals, and some silicate minerals, while multi-acid digestion is a near-total analysis of the composition of the sample.
	Synthetic Precipitation Leaching Procedure (SPLP)	SGS Canada, Inc.	SPLP by EPA Method 1312 is an extraction test to determine the mobility of contaminants under moderately acidic conditions.
	Whole Rock Analysis (WRA) & X-Ray Diffraction (XRD)	SGS Canada, Inc.	WRA is performed using XRF spectroscopy to determine the composition of the rock in terms of common compounds. XRD was performed to determine the bulk crystalline mineral abundances and used in conjunction with WRA/XRF.
	Sequential Extraction (SEP)	SGS Canada, Inc.	SEP is performed on a subset of samples to determine which solid phases lithium and other COI are associated with in site aquifer media. Samples are exposed to different reagents which extract metals bound to a specific phase in step-wise fashion.
	Mineralogy by TESCAN Integrated Mineral Analyzer (TIMA-X), electron microbe analysis (EMPA), and laser ablation inductively coupled plasma mass spectrometry (LA ICP-MS)	SGS Canada, Inc.	Additional mineralogical analysis performed on a subset of samples using TIMA-X to determine the abundance of lithium and other COI in each sample and classifying it into categories (i.e., clays). The analysis also provides the mineral abundance weight percent that lithium and other COI are associated with. Select minerals of interest are also analyzed using EMPA and LA ICP-MS to calculate the elemental composition per sample and per mineral.

Upon completion of these tasks, a formal recommendation or plan of action will be submitted to the Department. This recommendation will address natural sources of COI as well as evaluate the ash pond as a source. This comparison will highlight potential data gaps, assessment needs, and determine if additional delineation is needed and to what extent. Following a review of 2022 sampling results, the areas for potential future assessment and delineation appear largely clustered to the southwest of the ash pond.

Mary Lee – Gillespy Transition Zone

Arsenic and Lithium Delineation

(1) South of MR-AP-MW-18H along the same ridge line.
(2) South of MR-AP-MW-3S/3D –
    a. Close to MR-AP-MW-4 AND/OR
    b. Adjacent to MR-AP-MW-5, MR-AP-PZ-5

Gillespy Lower Discrete Interval

Lithium Delineation

(1) Southwest of MR-AP-MW-33H

(2) Adjacent to MR-AP-MW-32H

(3) Adjacent to MR-AP-MW-7DR

Arsenic and Lithium Delineation (1)

- Evaluate field conditions and feasibility of access to areas west of MR-AP-MW-5 for potential delineation well.

Cobalt Delineation

(1) Vertical delineation well offset from MR-AP-MW-4V

Gillespy-Pratt Transition Zone

Lithium Delineation (1)

(1) Attempt installation of delineation well south or southeast of MR-AP-MW-7SR

Pratt Flow System

(1) Vertical delineation well offset from MR-AP-MW-10
(2) Vertical delineation well offset from MR-AP-MW-12

6.5 GROUNDWATER REMEDY AND CORRECTIVE ACTION

An Assessment of Corrective Measures (ACM) for groundwater impacts was conducted and formally submitted to ADEM in June 2019. Additional data analyses and investigations conducted since the ACM culminated with a more detailed Groundwater Remedy Selection Report, submitted in November 2021, and a Corrective Action Groundwater Monitoring Program document submitted in February 2022.

Submittal	Submittal Date	Purpose
Assessment of Corrective Measures	06/2019	Initial evaluation of the feasibility, performance, and implementation of known and emerging groundwater remediation technologies against site conditions and factors.
Groundwater Remedy Selection Report	11/2021	Formal selection and detailed description of groundwater remedies selected for implementation at the site.
Corrective Action Groundwater Monitoring Program	02/2022	Plan document to describe process and program for implementation and monitoring of groundwater remedies selected at the site.

6.5.1 Groundwater Remedy Selection

The Groundwater Remedy Selection Report described the selected remedies for groundwater corrective actions at the site:

- Source control to include dewatering, consolidation, and capping of the CCR unit,
- Permeation grouting in areas of higher concentrations of constituents of interest (COI) and/or preferential groundwater flow pathways to prevent COI movement,
- Monitored natural attenuation (MNA) over the entire site.

Closure of the CCR Unit – including dewatering, consolidation, and capping – will greatly reduce or eliminate source contributions to groundwater. Permeation grouting was selected because, as a corollary to barrier walls, it impedes groundwater flow and helps prevent the migration of COIs away from the source area. Additionally, permeation grouting can also be a viewed as a complementary method to MNA

– where either the sealing of groundwater flow or the slowing of the flow path away from the source area provides longer residence time for MNA processes to reduce COI concentrations. MNA was selected based upon the evidence gathered during initial investigations - which highlighted that these processes are already occurring.

6.5.2 Corrective Action – Groundwater Monitoring Program

The Corrective Action Grooundwater Monitoring Program describes early plans for implementation and monitoring of groundwater remedies described above. This plan chunked the program into two stages.

- Stage 1 will include ongoing compliance monitoring, remedial effectiveness monitoring for permeation grouting, MNA performance monitoring, sentinel/clean-line monitoring (including surface water monitoring), and demonstration that Site conditions remain protective of potential human and ecological receptors. Prompt action will be taken should data or data trends indicate such actions are warranted.
- Stage 2 monitoring will be implemented upon Site closure, with the first 2 years of Stage 2 monitoring consisting of background data collection to serve as a baseline. Stage 2 monitoring will be composed of ongoing compliance monitoring, additional wells or sampling locations as needed to evaluate remedy effectiveness, additional MNA parameters as needed, mass and mass flux calculations, additional monitoring associated with permeation grouting (if implemented), re-evaluation of natural attenuation processes and efficacy every 10 years, and demonstration that Site conditions remain protective of potential human and ecological receptors.

Stage 1

The initial phase of Stage 1 has implementation tasks associated with each selected groundwater remedy that serve as a foundation for the remainder of Stage 1 and Stage 2:

Selected Remedy	Implementation Task(s)
Monitored Natural Attenuation	1. Implementation of expanded MNA sampling parameters. 2. Further assessment of MNA monitoring network.
Permeation Grouting Program	1. Work Scope development and field program for the detailed characterization of fracture flow characteristics and data needs supporting a permeation grouting pilot 2. Implementation of Permeation Grouting Pilot Program using data collected from detailed characterization.
Source Control/Closure Activities	1. Evaluation of geochemical changes in groundwater with respect to transient closure activities (excavation, de-watering, etc). 2. Implementation of field data collection instruments/telemetry within key monitoring wells to further understand the nature of geochemical changes over time and with respect to closure activities and MNA/geochemical modelling.

Implementation of Monitored Natural Attenuation

MNA sampling parameters were added to the sampling plans and analyzed in the laboratory during the March 2022 sampling event (**Table 6**). These parameters in addition to field parameters, Appendix III parameters, and Appendix IV parameters are utilized to study the processes that govern or facilitate MNA

as well as changes in geochemical conditions. Parameters will be included into the site geochemical model. Enhanced MNA or geochemical manipulation is currently being evaluated for areas of the Site.

Additionally, via continued data evaluation for delineation and assessment of potential geogenic sources of COI, additional assessment wells have been recommended as detailed in **Section 6.4**.

Permeation Grouting Program

An Implementation and Data Requirements Plan – Permeation Grouting Pilot Program is being drafted to outline means and methods for the complete geologic and hydrogeologic characterization of the area of the site selected for the pilot study. This document provides a plan for the detailed characterization of fracture flow through the Pottsville Formation – including standards for core logging, downhole geophysical methods, hydrogeophysical methods, and aquifer performance testing. This plan will be executed in the field and data analyzed to complete the initial study or foundation phase of the Permeation Grouting Pilot Program.

The tentative schedule for this initial foundation phase is outlined as:

- Implementation and Data Requirements Plan – Permeation Grouting Pilot Program (1st or 2nd quarter 2023)
- Fracture-Flow Field Study and Data Analyses – 4th quarter 2023 – 2nd quarter 2024
- Permeation Grouting Pilot Program – TBD, pending requisite documents and approvals supporting the injection program.

Source Control/Closure Activities

The primary task and objectives at the on-set of Stage 1 include: (1) monitoring and reviewing for changes in geochemical conditions that would invoke an adaptive trigger, (2) studying transient changes in groundwater quality that may be the result of physical closure activities, and (3) determination of primary mechanisms and geochemical relationships at play in changing geochemical conditions. The understanding of mechanisms and relationships leading to geochemical changes in groundwater provides opportunity to further understand natural MNA processes at the site and document benefits/impacts of source control as closure progresses.

As a part of the Semi-Annual Monitoring Reporting process, groundwater quality is being evaluated with respect to:

- Concentration Trends
    - By Analyte
    - By Locations
    - In Aggregate
- Geochemical Correlations
- Concentration Trends/Geochemical Correlations cross-referenced to by recent or active ash pond closure activities.

To facilitate further understanding of trends and correlating relationships, AquaTROLL instrumentation is being installed at select key monitoring well locations for the near continuous monitoring of field parameters. This additional data will allow for a better understanding of the degree of changes driven by different types of closure activities, the response of site flow systems, and possible correlations/changes noted in semi-annual monitoring data.

AquaTROLL instrumentation will be installed during the 2nd or 3rd quarter of 2023 (pending supply chain issues) at the following monitoring locations:

- MR-AP-MW-1
- MR-AP-MW-3S
- MR-AP-MW-3D
- MR-AP-MW-6
- MR-AP-MW-6V
- MR-AP-MW-12
- MR-AP-MW-16
- MR-AP-MW-33HS.

These locations provide data coverage from each sector of the ash pond.

6.5.3 Update on Monitoring Period Activities

Activities focused on corrective action were performed in 2022. The core activities included:

1) Desktop study for injectability of bedrock and injection treatability studies
2) Sampling of MNA parameters
3) Initiation of geogenic evaluation

The objectives of the hydraulic desktop study for injectability of bedrock are twofold, as follows:

- Identify a location near the Plant Miller Ash Pond most appropriate for conducting an injection pilot test
- Provide information that will support scoping a pre-pilot test exploratory field program and, ultimately, the design and implementation of the pilot test.

Treatability studies are also being performed to evaluate reagent composition, dosing, effectiveness, and sequencing (if applicable) for in situ groundwater treatment of COIs via injection. The following activities have been completed:

- Selection of potential locations where a field pilot test may be appropriate based on stratigraphy, COIs at statistically significant levels in groundwater, available bedrock characterization data, and physical accessibility
- Preliminary modeling of the hydraulics of potential reagent injections that may be performed to treat COIs in fractured bedrock–
    - The input parameters for this modeling include hydraulic gradients and groundwater flow directions, depths to groundwater, hydraulic conductivities, mean fracture porosities, and potential treatment zone depths. The results of this preliminary modeling include estimates of injection rates, durations, and volume and areal extent of treatment solution delivery.

Work, either ongoing or scheduled, includes the following:

- Treatability testing to identify suitable reagents that can be used to treat COIs in situ. This work will include an estimate of the mass of precipitated minerals that may form on the fracture surfaces as a result of the injected treatment solution and its impact on the aquifer transmissivities and hydraulic conductivities.
- Bedrock core sample laboratory analysis of geochemistry (cation exchange capacity; aluminum-, manganese-, and iron-oxide extractions; bulk chemistry; mineralogy; and microanalysis for COIs in fracture fill) and physical parameters (matrix hydraulic conductivity, porosity, and bulk density)
    - The geochemistry results will inform the treatability studies described in the previous bullet. The physical parameters will be used in the predictive modeling as detailed in the

following bullets. Both the geochemical and physical analyses will inform the design and implementation of the field pilot tests.

The results of this desktop study for injectability of bedrock and treatability studies will support the following activities:

- Identify data gaps and develop a scope of exploratory field activities that may be conducted to fill those data gaps.
- Perform additional predictive modeling of pilot test injections to help ensure appropriate injection concentration and volume, and monitoring duration and frequency. •
- Design and implement the pilot test.

6.6 CHANGES IN GROUNDWATER QUALITY

This section highlights key or important observations in groundwater quality changes and potential causal mechanisms and relationships. The focus of this section is compliance boundary wells, which have the longest historical record of analytical data, and conceptually, and should be the first locations where changes are observed.

Cobalt

On the western side of the Ash Pond, (1) cobalt concentrations in wells MR-AP-MW-4 and MR-AP-MW-6 declined below the GWPS and (2) the arsenic concentration in well MR-AP-MW-5 declined below the GWPS.

Cobalt concentrations in wells MR-AP-MW-4 and MR-AP-MW-6 have declined significantly from the maximum concentrations observed in 2016 and 2017 sampling events. At both well locations, cobalt demonstrated a significant decrease in concentration across 2019 and 2020 sampling events. Decreasing cobalt concentrations in these wells show distinct or different correlation patterns – indicating that different mechanisms may dominate cobalt reduction depending upon well location.

At MR-AP-MW-4, decreasing cobalt concentrations are positively and strongly correlated with decreasing conductivity, TDS, sulfate, and iron. Well MR-AP-MW-6 shows no true dominant correlations but does show that increasing pH has likely been a factor in reducing cobalt concentrations. Depth to water and groundwater elevations have been decreasing at these locations – especially over the

last 3 to 5 sampling events. During the most recent event, artesian conditions in well MR-AP-MW-6 dissipated and groundwater was observed at approximately 9 feet below top of casing.

Notable wells of increase include MR-AP-MW-13SR and MR-AP-MW-15. As previously noted in **Section 4.1**, MR-AP-MW-13SR is now hydraulically upgradient of the Site, and increasing cobalt, largely appears related to decreasing pH with increasing influence of lower pH meteoric water observed in the well. The occurrence of cobalt in this well should be evaluated for a potential geogenic source. The concentration increase in well MR-AP-MW-15 is notable only in the Fall 2022 sampling event – indicating some potential for an outlier. Historically, cobalt has been non-detect or detected only at trace concentrations in 15 of 19 sampling events. However, the recent increase was correlated with increases in other constituents suggesting that a close review needs to be conducted of future data sets.

In the aggregate, the average cobalt concentration in downgradient compliance wells (historically abandoned included) have decreased, and generally, fallen year over year. Average cobalt concentration by year is provided below. In comparison, average cobalt concentrations have fallen approximately 44% between 2016 and 2022 with the greatest percent decrease occurring between 2018 and 2020.

- 2016: 0.0189 mg/L
- 2017: 0.0166 mg/L
- 2018: 0.0155 mg/L
- 2019: 0.0110 mg/L
- 2020: 0.0084 mg/L
- 2021: 0.0069 mg/L
- 2022: 0.0083 mg/L.

Arsenic

In 2022, arsenic decreased below the GWPS in well MR-AP-MW-5. As with observed cobalt reductions in well MR-AP-MW-4, arsenic reductions in well MR-AP-MW-5 appear largely related to correlating reductions in conductivity and TDS. Arsenic concentrations have generally been decreasing since October 2020 in well MR-AP-MW-5. Arsenic concentrations in this well were below the GWPS during both 2022 sampling events.

Arsenic concentrations in well MR-AP-MW-10 sharply spiked from historically non-detect to 0.061 mg/L during the Spring 2022 sampling event but have subsequently declined to 0.04 mg/L (May 2022) and 0.032 mg/L (September 2022). Elevated turbidity, elevated DO, sharp declines in groundwater elevation, and elevated conductivity have generally followed this trend in increased arsenic or were noted in 2022 data. Dewatering of the downgradient Pratt coal mine has likely contributed to drastically reduced groundwater elevations and geochemical changes observed in MR-AP-MW-10 during 2022. However, as discussed, arsenic concentrations appear to be declining since the spike observed in the Spring 2022 sampling event.

In the aggregate, and excluding the recent sharp increase observed in MR-AP-MW-10, the average arsenic concentration in downgradient compliance wells (historically abandoned included) have decreased. Average arsenic concentration by year is provided below. Including MR-AP-MW-10, the average concentration for 2022 increases to 0.0056 mg/L.

- 2016: 0.0042 mg/L
- 2017: 0.0043 mg/L
- 2018: 0.0041 mg/L
- 2019: 0.0044 mg/L
- 2020: 0.0050 mg/L
- 2021: 0.0023 mg/L
- 2022: 0.0026 mg/L.

Lithium

Notable temporal trends and/or patterns in lithium concentrations are not apparent at this time. As previously noted, elevated lithium may be related to a geogenic source, and therefore, would not display significant patterns or trends with time. In the aggregate, the average lithium concentration in downgradient wells (historically abandoned included) have remained stable over the historical monitoring period. Average lithium concentration by year is provided below.

- 2016: 0.1168 mg/L
- 2017: 0.1246 mg/L
- 2018: 0.1138 mg/L
- 2019: 0.1258 mg/L

- 2020: 0.1248 mg/L
- 2021: 0.1428 mg/L
- 2022: 0.1219 mg/L

Spatially, lithium patterns are apparent. Lithium concentrations appear to show an increasing with depth trend – indicating that lithium is added to the flow system as groundwater flows vertically and residence time increases. Average lithium concentrations in downgradient compliance wells by depth is presented below. This addition of lithium with depth is likely from a natural source in site geologic media.

Depth Classification (feet below ground)	Average Lithium Concentration
50-100 feet	0.079 mg/L
Less than 50 feet	0.084 mg/L
100-200 feet	0.128 mg/L
200-300 feet	0.188 mg/L

Molybdenum

Molybdenum concentrations have only been found elevated in wells MR-AP-MW-10 and MR-AP-MW-12. During 2022, molybdenum concentration in MR-AP-MW-12 began a pattern of decrease – where concentrations fell from 1.17 to 0.56 mg/L (~52% decrease). Similar large decreases were noted in other parameters during 2022, including boron, calcium, conductivity, sulfate, sodium, and iron. Overall, the geochemistry and groundwater quality in well MR-AP-MW-12 showed significant improvement.

Molybdenum in well MR-AP-MW-10 appeared to stabilize in 2022 at a concentration around 0.7 mg/L. Significant recent geochemical changes in well MR-AP-MW-10 appear to correlate to sharp declines in depth to water and groundwater elevation. These occurred in the late summer of 2021 (between June and September 2021). This large decrease in water level is likely the combination of ash pond lowering and mine dewatering immediately adjacent to the south. Geochemical changes may be temporary and related to a deepening of the vadose zone (increase in DO at greater depths).

Spatial Patterns

Groundwater quality improvements (declining concentrations) are clustered spatially to the area between MR-AP-MW-3D and MR-AP-MW-5. In this area, groundwater quality improvements are generally observed as decreasing:

- Conductivity
- Boron
- Calcium
- Sulfate
- Arsenic
- Cobalt.

Groundwater quality improvements are attributable to:

(1) Ash Pond Dewatering – areas north of MR-AP-MW-4 have very little remaining ponded water
(2) Geochemical disequilibrium from initial well installation dissipating over the years.

Groundwater quality in wells MR-AP-MW-10 and MR-AP-MW-12 have shown significant increases in concentration starting in 2018 (MR-AP-MW-12) and 2019-2021 (MR-AP-MW-10). Although it should be mentioned that concentrations in well MR-AP-MW-12 showed significant decreases in 2022 and increasing trends beginning in 2018 do not appear to overlap with closure activities.

Increasing concentrations in MR-AP-MW-10 may be related to:

- Significant declines in groundwater elevation related to:
    - Pond dewatering
    - Mine dewatering
- Excavation activities north of MR-AP-MW-10.

Increasing trends have also been noted in the areas of MR-AP-MW-15 and MR-AP-MW-16 and will continue to be evaluated.

7.0 SUMMARY AND CONCLUSIONS

Semi-annual monitoring took place in Februaruy-March and August-September 2022. Statistical evaluations of the 2022 monitoring data identified SSLs of Appendix IV constituents above the GWPS. To address previously identified SSLs, a Groundwater Remedy Selection Report was prepared and submitted to ADEM on November 30, 2021, and a Corrective Action Groundwater Monitoring Program plan on February 28, 2022. The Site entered Corrective Action during the first semi-annual monitoring period of 2022. Focus at the Site now begins to shift towards further planning and implementation of remedies along with continued evaluation of assessment and compliance data.

The following future actions will be taken or are recommended for the Site:

- Conduct geogenic study to investigate sources of COI in Site groundwater.
- Continue with phase 1 implementation of the Permeation Grouting Pilot Program for the remediation of arsenic, lithium, and molybdenum.
- Installation of near real-time instrumentation for the monitoring of potential changes in field parameter data in response to ash pond closure activities.
- Evaluation of recently collected MNA parameter data.
- Evaluation of molybdenum, south of the Ash Pond, in context of planned Remedial Action strategies.
- Conduct the first semi-annual monitoring event and submit the semi-annual groundwater monitoring report summarizing the findings to ADEM by July 31, 2023.

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8.0 REFERENCES

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Tables

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Table 1a. - Compliance Monitoring Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-21	Upgradient	Pottsville Fm - Lower Mary Lee Group	33.64612	-87.09471	369.94	373.18	183.6	199.94	189.94	10	2/11/2019
GS-AP-MW-8	Upgradient	Pottsville Fm - Pratt Strata	33.63767	-87.19149	431.63	434.61	64.6	390.42	370.42	20	2/26/2016
MR-AP-MW-22S	Upgradient	Pottsville Fm - Lower Mary Lee Group	33.64268	-87.09794	362.02	364.64	50.0	325.04	315.04	10	8/25/2020
MR-AP-MW-22I	Upgradient	Pottsville Fm - Lower Mary Lee Group	33.64273	-87.09799	361.44	364.27	141.4	233.27	223.27	10	8/20/2020
MR-AP-MW-22D	Upgradient	Pottsville Fm - Lower Mary Lee Group	33.64268	-87.09805	361.37	364.49	203.2	171.69	161.69	10	9/2/2020
MR-AP-MW-23	Upgradient	Pottsville Fm - Lower Mary Lee Group	33.64059	-87.10003	350.03	352.43	67.6	295.26	285.26	10	12/20/2019
GS-AP-MW-17V	Upgradient	Pottsville Fm - Shallow Water Table	33.61445	-87.17943	528.75	531.45	151.4	400.45	380.45	20	1/20/2019
MR-AP-MW-23A	Upgradient	Pottsville Fm - Lower Mary Lee Group	33.64056	-87.09997	349.77	352.64	68.1	294.94	284.94	10	8/18/2020
MR-AP-MW-1	Downgradient	Pottsville Fm - Mary Lee Coal	33.61637	-87.06284	470.67	473.68	291.3	192.76	182.76	10	4/18/2016
MR-AP-MW-2	Downgradient	Pottsville Fm - Mary Lee Coal	33.61562	-87.06717	478.83	482.33	236.7	256.03	246.03	10	3/9/2016
MR-AP-MW-3S	Downgradient	Pottsville Formation - Gillespy Sandstone	33.61279	-87.06429	433.34	436.27	138.8	307.87	297.87	10	4/16/2016
MR-AP-MW-3D	Downgradient	Pottsville Formation - Sandstone	33.61282	-87.06432	433.94	437.06	169.7	277.76	267.76	10	2/6/2016
MR-AP-MW-4	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.6098	-87.06371	419.22	422.47	68.9	364.01	354.01	10	2/7/2016

Notes:

ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing

(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.

(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.

(3) Total well depth accounts for sump if data provided on well construction logs.

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Table 1a. - Compliance Monitoring Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-5	Downgradient	Pottsville Fm - Gillespy Lower Discrete	33.6066	-87.06404	276.15	279.22	61.0	228.62	218.62	10	2/8/2016
MR-AP-PZ-5	Downgradient	Pottsville Fm - Mary Lee Coal	33.60664	-87.06399	277.22	279.66	220.8	69.26	59.26	10	3/16/2016
MR-AP-MW-6	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.60468	-87.06211	371.03	374.30	45.6	339.15	329.15	10	2/9/2016
MR-AP-MW-7SR	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.60316	-87.06019	332.42	335.65	44.3	301.75	291.75	10	7/10/2020
MR-AP-MW-7DR	Downgradient	Pottsville Fm - Lower Gillespy SS	33.60316	-87.06022	332.20	335.44	109.0	236.84	226.84	10	7/10/2020
MR-AP-MW-9SR	Downgradient	Pottsville Fm - Pratt Group	33.60348	-87.0557	462.90	465.60	99.7	376.30	366.30	10	7/8/2020
MR-AP-MW-9DR	Downgradient	Pottsville Fm - Pratt Group	33.60343	-87.05569	463.29	466.12	116.7	359.82	349.82	10	7/7/2020
MR-AP-MW-13SR	Downgradient	Pottsville Fm - Pratt Group	33.6114	-87.05138	454.29	457.34	54.1	413.64	403.64	10	7/15/2020
MR-AP-MW-13DR	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.61137	-87.05138	454.42	457.54	121.8	346.14	336.14	10	7/14/2020
MR-AP-MW-14R	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.61369	-87.05247	423.37	426.05	49.9	386.55	376.55	10	6/29/2020
MR-AP-MW-15	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.61484	-87.05449	410.46	413.65	40.3	383.75	373.75	10	2/29/2016

Notes:

ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing

(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.

(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.

(3) Total well depth accounts for sump if data provided on well construction logs.

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Table 1a. - Compliance Monitoring Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-16	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	33.61593	-87.05702	415.27	418.55	39.9	389.04	379.04	10	2/17/2016
MR-AP-MW-10	Downgradient	Pottsville Fm - Pratt Group	33.60347	-87.05376	538.09	541.74	180.8	371.33	361.33	10	3/29/2016
MR-AP-MW-11	Downgradient	Pottsville Fm - Pratt Group	33.60434	-87.04984	590.92	594.02	271.1	333.37	323.37	10	3/30/2016
MR-AP-MW-12	Downgradient	Pottsville Fm - Pratt Group	33.60917	-87.05107	501.46	504.53	121.7	393.27	383.27	10	2/24/2016

Notes:
ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing
(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.
(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.
(3) Total well depth accounts for sump if data provided on well construction logs.

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Table 1b. - Delineation Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-4V	Vertical Delineation	Pottsville Fm - Gillespy Lower Discrete	33.60974	-87.06374	419.11	422.22	101.7	330.92	320.92	10	1/14/2019
MR-AP-MW-6V	Vertical Delineation	Pottsville Fm - Lower Gillespy SS	33.60467	-87.06206	372.64	375.95	124.1	262.24	252.24	10	1/14/2019
MR-AP-MW-17H	Horizontal Delineation	Pottsville Fm - Lower Mary Lee Group	33.61307	-87.07444	272.85	276.32	51.4	235.29	225.29	10	1/23/2019
MR-AP-MW-18H	Horizontal Delineation	Pottsville Fm - Upper Mary Lee Group	33.61271	-87.06677	445.93	448.98	203.1	256.28	246.28	10	2/11/2019
MR-AP-MW-19HA	Horizontal Delineation	Pottsville Fm - Mary Lee Coal	33.60636	-87.066	396.87	399.93	308.6	111.75	91.75	20	11/22/2019
MR-AP-MW-20H	Horizontal Delineation	Pottsville Fm - Lower Gillespy SS	33.60366	-87.06302	380.86	384.23	200.2	194.49	184.49	10	1/22/2019
MR-AP-MW-20HS	Horizontal Delineation	Pottsville Fm - Gillespy Lower Discrete	33.60365	-87.06298	369.94	373.18	82.3	301.29	291.29	10	1/26/2019
MR-AP-MW-27HR	Horizontal Delineation	Pottsville Fm - Gillespy to Pratt Transition	33.61187	-87.05071	473.34	476.42	182.0	304.82	294.82	10	8/9/2020
MR-AP-MW-28H	Horizontal Delineation	Pottsville Fm - Pratt Group	33.60998	-87.05025	485.80	488.34	115.5	393.24	373.24	20	12/9/2019
MR-AP-MW-30H	Horizontal Delineation	Pottsville Fm - Pratt Group	33.60258	-87.05073	583.37	586.17	278.6	328.01	308.01	20	12/9/2019
MR-AP-MW-32H	Horizontal Delineation	Pottsville Fm - Lower Gillespy SS	33.60132	-87.06421	319.74	322.22	70.8	261.80	251.80	10	12/17/2019

Notes:
ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing
(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.
(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.
(3) Total well depth accounts for sump if data provided on well construction logs.

Southern Company

Table 1b. - Delineation Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-33H	Horizontal Delineation	Pottsville Fm - Gillespy Lower Discrete	33.60819	-87.06449	318.76	321.53	46.9	295.02	275.02	20	1/7/2019
MR-AP-MW-34H	Horizontal Delineation	Pottsville Fm - Mary Lee Coal	33.60966	-87.06595	428.62	431.46	297.3	144.55	134.55	10	11/20/2019
MR-AP-MW-35H	Horizontal Delineation	Pottsville Fm - Mary Lee Coal	33.61739	-87.07095	302.63	305.12	37.6	277.97	267.97	10	11/28/2019
MR-AP-MW-36HR	Horizontal Delineation	Pottsville Fm - Pratt Group	33.60683	-87.04906	537.36	540.50	269.3	291.60	271.60	20	8/9/2020
MR-AP-MW-37H	Horizontal Delineation	Pottsville Fm - Gillespy to Pratt Transition	33.61268	-87.04932	437.30	440.12	149.7	300.80	290.80	10	12/18/2019
MR-AP-MW-31H	Horizontal Delineation	Pottsville Fm - Gillespy to Pratt Transition	33.60102	-87.05615	548.40	551.18	292.5	279.08	259.08	20	12/3/2019

Notes:
ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing
(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.
(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.
(3) Total well depth accounts for sump if data provided on well construction logs.

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Table 1c. - Piezometer Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-2V	Piezometer	Pottsville Fm - Lower Mary Lee Group	33.61546	-87.06723	477.33	480.46	298.5	202.33	182.33	20	2/6/2019
MR-AP-MW-3V	Piezometer	Pottsville Fm - Upper Mary Lee Group	33.61287	-87.06431	434.48	438.04	225.9	222.53	212.53	10	1/9/2019
MR-AP-MW-19H	Piezometer	Pottsville Fm - Unassigned	33.60641	-87.06598	380.86	384.23	134.8	259.87	249.87	10	2/9/2019

Notes:
ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing
(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.
(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.
(3) Total well depth accounts for sump if data provided on well construction logs.

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Table 1d. - Abandoned Well Network Details
Plant Miller Ash Pond

Well ID	Hydraulic Location	Geologic Unit	Latitude	Longitude	Ground Surface Elevation (ft NAVD)	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)	Screen Length (ft)	Date Of Installation
WELL NETWORK											
MR-AP-MW-7S	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	33.60342	-87.0601	338.25	341.75	43.2	308.96	298.96	10	2/11/2016
MR-AP-MW-7D	Abandoned	Pottsville Fm - Lower Gillespy SS	33.60343	-87.06016	338.27	341.51	116.4	235.56	225.56	10	4/19/2016
MR-AP-MW-8S	Abandoned	Pottsville Fm - Pratt Group	33.60406	-87.05721	455.03	458.06	53.2	415.23	405.23	10	2/27/2016
MR-AP-MW-8D	Abandoned	Pottsville Fm - Pratt Group	33.60405	-87.05726	454.39	457.64	80.6	387.49	377.49	10	2/26/2016
MR-AP-MW-9S	Abandoned	Pottsville Fm - Pratt Group	33.60439	-87.05594	446.35	449.63	45.0	415.08	405.08	10	4/12/2016
MR-AP-MW-9D	Abandoned	Pottsville Fm - Pratt Group	33.60432	-87.05609	446.40	449.71	107.2	352.91	342.91	10	12/10/2015
MR-AP-MW-13D	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	33.61171	-87.05221	434.51	437.36	86.5	361.31	351.31	10	2/25/2016
MR-AP-MW-13S	Abandoned	Pottsville Fm - Pratt Group	33.6117	-87.05215	434.76	437.74	43.3	404.83	394.83	10	4/12/2016
MR-AP-MW-14	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	33.61349	-87.05261	427.57	430.69	54.5	386.56	376.56	10	2/26/2016
MR-AP-MW-27H	Abandoned	Pottsville Fm - Unassigned	33.61184	-87.0507	472.42	475.06	388.0	96.66	86.66	10	12/3/2019
MR-AP-MW-29H	Abandoned	Pottsville Fm - Unassigned	33.60754	-87.04928	512.14	514.96	383.5	141.06	131.06	10	12/4/2019
MR-AP-MW-36H	Abandoned	Pottsville Fm - Unassigned	33.60685	-87.04904	536.84	539.44	312.5	246.54	226.54	20	12/6/2019

Notes:
ft = feet; ft NAVD = elevation in feet, referenced to North American Vertical Datum; ft BTOC = depth, referenced in feet below top of casing
(1) Coordinates have been transformed into WGS 84 from NAD 27/83, State Plane, Alabama, feet.
(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.
(3) Total well depth accounts for sump if data provided on well construction logs.

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Table 2. Parameters And Reporting Limits

Plant Miller Ash Pond
02/14/2022 - 09/27/2022

Appendix III Parameters			
Parameters	**Analytical Methods**	**Reporting Limits**	**Units of Measure**
Boron	EPA 200.7	0.1015	mg/L
Calcium	EPA 200.7	0.406-40.6	mg/L
Chloride	SM4500Cl E	1-200	mg/L
Fluoride	SM4500F G 2017	0.1-0.125	mg/L
pH_Field	Field Sampling	NA	SU
Sulfate	SM4500SO4 E 2011	1-200	mg/L
TDS	NA	NA	mg/L
Appendix IV Parameters			
Parameters	**Analytical Methods**	**Reporting Limits**	**Units of Measure**
Antimony	EPA 200.8	0.001015	mg/L
Arsenic	EPA 200.8	0.000203	mg/L
Barium	EPA 200.8	0.000203-0.0923	mg/L
Beryllium	EPA 200.8	0.001015	mg/L
Cadmium	EPA 200.8	0.000203	mg/L
Chromium	EPA 200.8	0.001015	mg/L
Cobalt	EPA 200.8	0.000203	mg/L
Lead	EPA 200.8	0.000203	mg/L
Lithium	EPA 200.7	0.02	mg/L
Mercury	EPA 245.1	0.0005	mg/L
Molybdenum	EPA 200.8	0.000203	mg/L
Selenium	EPA 200.8	0.001015	mg/L
Thallium	EPA 200.8	0.000203	mg/L
Combined Radium 226 + 228	Total Radium Calculation	0.817-1.31	pCi/L

Notes:
1. Reporting Limit values can display range depending upon matrix interferences and dilution factors
2. pH is a field acquired parameter and does not have a laboratory method or reporting limit
3. Combined Radium 226 + 228 – product of radium-226 + radium-228; reporting limits presented are sum of radium 226, radium 228 reporting limits
4. EPA 200.7 – EPA methodology for the "Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry"
5. EPA 200.8 - EPA methodology for the "Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)"
6. SM 2320, 2540, 4500 – Standard Methods for Examination of Water and Wastewater.
7. Total Radium Calculation – Term used herein for EPA 9315 + EPA 9320
8. EPA 9315 – Used for Radium-226; SW-846: Alpha-Emitting Radium Isotopes, part of Test Methods for Evaluation Solid Waste, Physical/Chemical Methods
9. EPA 9320 – Used for Radium-228; SW-846: Alpha-Emitting Radium Isotopes, part of Test Methods for Evaluation Solid Waste, Physical/Chemical Methods

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Table 3. Groundwater Elevations

Plant Miller Ash Pond
02/07/2022 - 09/13/2022

Measurement Date		03/07/2022		09/13/2022	
Well	TOC Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)
GS-AP-MW-17V	531.45	N/A	N/A	N/A	N/A
GS-AP-MW-8	434.61	N/A	N/A	N/A	N/A
MR-AP-MW-1	473.68	193.48	280.20	194.58	279.10
MR-AP-MW-10	541.74	142.41	399.33	150.90	390.84
MR-AP-MW-11	594.02	229.81	364.21	235.65	358.37
MR-AP-MW-12	504.53	98.09	406.44	109.28	395.25
MR-AP-MW-13DR	457.54	77.42	380.12	81.42	376.12
MR-AP-MW-13SR	457.34	27.96	429.38	33.33	424.01
MR-AP-MW-14R	426.05	14.96	411.09	18.12	407.93
MR-AP-MW-15	413.65	14.30	399.35	16.49	397.16
MR-AP-MW-16	418.55	31.19	387.36	32.86	385.69
MR-AP-MW-17H	276.32	20.90	255.42	42.03	234.29
MR-AP-MW-18H	448.98	164.57	284.41	167.62	281.36
MR-AP-MW-19H	384.23	221.20	163.03	215.74	168.49
MR-AP-MW-19HA	399.93	118.87	281.06	120.11	279.82
MR-AP-MW-2	482.33	202.20	280.13	203.31	279.02
MR-AP-MW-20H	384.23	122.81	261.42	123.66	260.57
MR-AP-MW-20HS	373.18	42.72	330.46	46.88	326.30
MR-AP-MW-21	373.18	19.94	353.24	23.72	349.46
MR-AP-MW-22D	364.49	28.51	335.98	29.71	334.78
MR-AP-MW-22I	364.27	28.11	336.16	29.42	334.85
MR-AP-MW-22S	364.64	14.37	350.27	15.42	349.22
MR-AP-MW-23	352.43	10.36	342.07	11.78	340.65
MR-AP-MW-23A	352.64	10.52	342.12	11.91	340.73
MR-AP-MW-27HR	476.42	99.03	377.39	104.02	372.40
MR-AP-MW-28H	488.34	82.89	405.45	88.26	400.08
MR-AP-MW-2V	480.46	264.72	215.74	238.49	241.97
MR-AP-MW-30H	586.17	237.80	348.37	242.07	344.10
MR-AP-MW-31H	551.18	244.43	306.75	245.08	306.10
MR-AP-MW-32H	322.22	61.04	261.18	62.31	259.91
MR-AP-MW-33H	321.53	17.51	304.02	20.76	300.77
MR-AP-MW-34H	431.45	151.19	280.26	152.22	279.24
MR-AP-MW-35H	305.12	9.17	295.95	12.41	292.71
MR-AP-MW-36HR	540.50	198.51	341.99	201.98	338.52
MR-AP-MW-37H	440.12	125.28	314.84	108.10	332.02
MR-AP-MW-3D	437.06	111.96	325.10	117.60	319.46
MR-AP-MW-3S	436.27	87.82	348.45	97.61	338.66
MR-AP-MW-3V	438.04	157.04	281.00	158.39	279.65
MR-AP-MW-4	422.47	48.60	373.87	60.51	361.96
MR-AP-MW-4V	422.22	90.54	331.68	96.43	325.79
MR-AP-MW-5	279.22	0.00	Artesian	0.00	Artesian

Notes:
ft. = feet; ft. NAVD = elevation in feet, referenced to North American Vertical Datum (1988); TOC = top of casing; BTOC = below top of casing; N/A = Not Acquired
(1) Artesian = groundwater elevation above top of casin

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Table 3. Groundwater Elevations

Plant Miller Ash Pond

02/07/2022 - 09/13/2022

Measurement Date		03/07/2022		09/13/2022	
Well	TOC Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)
MR-AP-MW-6	374.30	0.00	Artesian	9.02	365.28
MR-AP-MW-6V	375.95	115.48	260.47	116.39	259.56
MR-AP-MW-7DR	335.44	76.40	259.04	77.28	258.16
MR-AP-MW-7SR	335.65	8.59	327.06	12.32	323.33
MR-AP-MW-9DR	466.12	70.94	395.18	80.11	386.01
MR-AP-MW-9SR	465.60	68.19	397.41	76.72	388.88
MR-AP-PZ-5	279.66	0.00	Artesian	0.00	Artesian

Notes:

ft. = feet; ft. NAVD = elevation in feet, referenced to North American Vertical Datum (1988); TOC = top of casing; BTOC = below top of casing; N/A = Not Acquired

(1) Artesian = groundwater elevation above top of casin

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Table 4a. Relative Percent Difference (RPD) Calculations

Plant Miller Ash Pond
03/09/2022 - 09/20/2022

MR-AP-MW-16				
Sample Date = 9/20/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	2.77	2.79	0.72%
Calcium	mg/L	142	146	2.78%
Chloride	mg/L	11.4	11.4	0.00%
Fluoride	mg/L	0.145	0.128	12.45%
Sulfate	mg/L	503	497	1.20%
Arsenic	mg/L	0.0031	0.00307	0.97%
Barium	mg/L	0.0243	0.024	1.24%
Cobalt	mg/L	0.00579	0.00648	11.25%
Lithium	mg/L	0.177	0.177	0.00%
Molybdenum	mg/L	0.0863	0.0875	1.38%
MR-AP-MW-31H				
Sample Date = 9/20/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Calcium	mg/L	155	152	1.95%
Chloride	mg/L	43.2	41.6	3.77%
Sulfate	mg/L	403	396	1.75%
Arsenic	mg/L	0.00044	0.00052	16.86%
Barium	mg/L	0.0376	0.0373	0.80%
Lithium	mg/L	0.124	0.123	0.81%
Molybdenum	mg/L	0.00118	0.00125	5.76%
MR-AP-MW-34H				
Sample Date = 9/19/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	0.12	0.12	0.00%
Calcium	mg/L	13.3	13.1	1.52%
Chloride	mg/L	143	132	8.00%
Fluoride	mg/L	0.33	0.285	14.63%
Sulfate	mg/L	158	155	1.92%
Arsenic	mg/L	0.0005	0.00043	15.91%
Barium	mg/L	0.0558	0.0539	3.46%
Lithium	mg/L	0.14	0.141	0.71%
Molybdenum	mg/L	0.0052	0.00513	1.36%

Table 4a. Relative Percent Difference (RPD) Calculations

Plant Miller Ash Pond
03/09/2022 - 09/20/2022

MR-AP-MW-35H				
Sample Date = 9/19/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Calcium	mg/L	71.8	73.4	2.20%
Chloride	mg/L	2.57	2.2	15.51%
Sulfate	mg/L	205	197	3.98%
Arsenic	mg/L	0.0135	0.0134	0.74%
Barium	mg/L	0.0275	0.0285	3.57%
Lithium	mg/L	0.0284	0.0286	0.70%
Molybdenum	mg/L	0.0011	0.00115	4.44%
MR-AP-MW-10				
Sample Date = 5/19/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	6.17	6.12	0.81%
Calcium	mg/L	143	145	1.39%
Chloride	mg/L	8.19	8.04	1.85%
Fluoride	mg/L	1.27	1.24	2.39%
Sulfate	mg/L	1390	1460	4.91%
Arsenic	mg/L	0.0428	0.0425	0.70%
Barium	mg/L	0.0185	0.0191	3.19%
Cobalt	mg/L	0.00141	0.00143	1.41%
Lithium	mg/L	0.24	0.235	2.11%
Molybdenum	mg/L	0.675	0.687	1.76%
MR-AP-MW-22S				
Sample Date = 3/16/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Calcium	mg/L	97.5	98.4	0.92%
Chloride	mg/L	127	140	9.74%
Fluoride	mg/L	0.145	0.151	4.05%
Sulfate	mg/L	174	170	2.33%
Arsenic	mg/L	0.00037	0.00033	12.68%
Barium	mg/L	0.053	0.053	0.00%
Lithium	mg/L	0.0626	0.0631	0.80%
Molybdenum	mg/L	0.00032	0.00031	5.71%

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Table 4a. Relative Percent Difference (RPD) Calculations

Plant Miller Ash Pond
03/09/2022 - 09/20/2022

MR-AP-MW-4V				
Sample Date = 3/15/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	0.642	0.645	0.47%
Calcium	mg/L	226	219	3.15%
Chloride	mg/L	23.7	23.7	0.00%
Fluoride	mg/L	0.244	0.255	4.41%
Sulfate	mg/L	702	715	1.84%
Arsenic	mg/L	0.00165	0.00136	19.27%
Barium	mg/L	0.0183	0.0179	2.21%
Cobalt	mg/L	0.013	0.0132	1.53%
Lithium	mg/L	0.12	0.118	1.68%
Molybdenum	mg/L	0.00749	0.00752	0.40%
MR-AP-MW-5				
Sample Date = 3/14/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	0.864	0.867	0.35%
Calcium	mg/L	228	250	9.21%
Chloride	mg/L	26.1	26.5	1.52%
Fluoride	mg/L	0.405	0.37	9.03%
Sulfate	mg/L	810	792	2.25%
Arsenic	mg/L	0.00987	0.00988	0.10%
Barium	mg/L	0.0162	0.0162	0.00%
Lithium	mg/L	0.189	0.184	2.68%
Molybdenum	mg/L	0.0753	0.0762	1.19%
MR-AP-MW-15				
Sample Date = 3/9/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	0.445	0.447	0.45%
Calcium	mg/L	39.1	39.5	1.02%
Chloride	mg/L	17.6	17.6	0.00%
Sulfate	mg/L	123	120	2.47%
Arsenic	mg/L	0.00042	0.00047	11.66%
Barium	mg/L	0.0275	0.026	5.61%
Cobalt	mg/L	0.00065	0.00068	4.35%

Table 4a. Relative Percent Difference (RPD) Calculations

Plant Miller Ash Pond
03/09/2022 - 09/20/2022

MR-AP-MW-15				
Sample Date = 9/20/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	1.78	1.79	0.56%
Calcium	mg/L	84.6	87.1	2.91%
Chloride	mg/L	17.7	17.6	0.57%
Sulfate	mg/L	352	331	6.15%
Arsenic	mg/L	0.00153	0.00162	5.71%
Barium	mg/L	0.0414	0.041	0.97%
Cobalt	mg/L	0.0247	0.0241	2.46%
Lithium	mg/L	0.023	0.0231	0.43%
Molybdenum	mg/L	0.00052	0.00056	7.08%
MR-AP-MW-20HS				
Sample Date = 3/9/2022				
Analyte	**Units**	**Original Result**	**Duplicate Result**	**RPD (%)**
Boron	mg/L	0.491	0.499	1.62%
Calcium	mg/L	115	114	0.87%
Chloride	mg/L	33.8	32.6	3.61%
Sulfate	mg/L	398	402	1.00%
Arsenic	mg/L	0.0003	0.00021	34.62%
Barium	mg/L	0.0263	0.0265	0.76%
Cobalt	mg/L	0.00083	0.00081	2.93%
Lithium	mg/L	0.0594	0.0589	0.85%
Molybdenum	mg/L	0.00037	0.00043	14.50%

Notes:
1. The RPD calculations presented are for analyte pairs where original and duplicate results are valid, unqualified detections.
2. RPD calculation results less than or equal to 20% are considered acceptable.
3. Results greater than 20% are given data validation flags to indicate RPD criteria failure. Communication to sampling team and lab may be necessary to explore nature of RPD failure(s).

Table 4b. - Field QC: Blank Detections

Plant Miller Ash Pond
03/08/2022 - 09/27/2022

Parameters Detected Above MDL					
Sample Date	**QC Location**	**Parameter**	**Blank Concentration**	**Units**	**MDL**
09/27/2022	EB-1	Chromium	0.00023 J	mg/L	0.0002
09/14/2022	FB-1	Chromium	0.00034 J	mg/L	0.0002
03/17/2022	EB-1	Chromium	0.00024 J	mg/L	0.0002
03/16/2022	FB-5	Chromium	0.00027 J	mg/L	0.0002
03/16/2022	FB-4	Chromium	0.00026 J	mg/L	0.0002
03/09/2022	FB-3	Chromium	0.00022 J	mg/L	0.0002
03/08/2022	FB-1	Chromium	0.00023 J	mg/L	0.0002
03/17/2022	EB-1	Molybdenum	0.00019 J	mg/L	0.0001

Notes:
1. Lab qualifiers have been appended to result when applicable
2. MDL = Method Detection Limit
3. Only Appendix 4 Constituents were compared and validated. Radium data was not validated.
4. mg/L = milligrams per liter

Table 5. Summary of Background Levels and Groundwater Protection Standards

Plant Miller Ash Pond

Appendix IV Analytes			
Analyte	**Units**	**Background**	**GWPS**
Antimony	mg/L	0.00141	0.006
Arsenic	mg/L	0.00645	0.01
Barium	mg/L	12.4	2
Beryllium	mg/L	0.001015	0.004
Cadmium	mg/L	0.000203	0.005
Chromium	mg/L	0.0011	0.1
Cobalt	mg/L	0.00294	0.006
Fluoride	mg/L	0.436	4
Lead	mg/L	0.000323	0.015
Lithium	mg/L	1.2	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.0163	0.1
Selenium	mg/L	0.001015	0.05
Thallium	mg/L	0.000203	0.002
Combined Radium 226 + 228	pCi/L	7.07	5

Notes:
1. mg/L - Milligrams per liter
2. pCi/L - Picocuries per liter
3. Background concentrations/limits are used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and ADEM Rule 335-13-15-.06(h).
4. GWPS are generally updated on a 2 year basis which began in the Fall of 2019 (Fall 2019, Fall 2021, etc).

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Field Temperature C	Conductivity uS/cm	pH_Field SU	Turbidity NTU	DO mg/L	ORP mv
Upgradient	GS-AP-MW-17V	02/14/2022	16.84	533.41	7.43	1.86	0.54	-127.99
Upgradient	GS-AP-MW-8	02/16/2022	19.92	142.9	5.8	2.6	0.72	200.76
Upgradient	MR-AP-MW-21	03/17/2022	17.7	734.05	7.72	0.83	0.76	-118.41
Upgradient	MR-AP-MW-22D	03/17/2022	22.2	7738.13	7.96	0.99	0.39	-258.78
Upgradient	MR-AP-MW-22I	03/16/2022	21.58	638.79	7.94	1.85	0.07	-150.08
Upgradient	MR-AP-MW-22S	03/16/2022	21.28	1075.17	6.92	0.87	0.07	-66.46
Upgradient	MR-AP-MW-23	03/15/2022	20.3	7522.25	7.61	3.7	0.58	-141.64
Upgradient	MR-AP-MW-23A	03/16/2022	20.51	7695.25	7.48	2.19	0.91	-102.4
Downgradient	MR-AP-MW-1	03/15/2022	16.62	1056.93	8.71	5.43	0.1	-326.13
Downgradient	MR-AP-MW-10	03/17/2022	15.79	1779.08	7.24	3.44	0.91	-41.26
Downgradient	MR-AP-MW-11	03/16/2022	17.6	1284.22	6.94	3.34	1.15	-60.29
Downgradient	MR-AP-MW-12	05/19/2022	22.14	3182.33	6.42	1.65	0.53	-6.83
Downgradient	MR-AP-MW-13DR	03/09/2022	18.47	813.56	6.97	1.02	1.06	-9.86
Downgradient	MR-AP-MW-13SR	03/09/2022	19.26	1370.22	6.05	1.18	0.38	40.5
Downgradient	MR-AP-MW-14R	03/09/2022	19.03	345.22	6.53	2.1	0.1	-29.04
Downgradient	MR-AP-MW-15	03/09/2022	20.66	427.19	6.37	9.67	0.14	-43.35
Downgradient	MR-AP-MW-16	03/08/2022	20.57	999.74	6.15	0.98	1	67.42
Downgradient	MR-AP-MW-2	03/16/2022	18.45	2749.84	6.14	0.15	1.02	-18.51
Downgradient	MR-AP-MW-3D	03/16/2022	17.55	1029.04	7.04	3.78	0.71	-37.65
Downgradient	MR-AP-MW-3S	03/16/2022	16.91	1141.44	9.05	0.23	0.82	-134.4

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Field Temperature C	Conductivity uS/cm	pH_Field SU	Turbidity NTU	DO mg/L	ORP mv
Downgradient	MR-AP-MW-4	03/15/2022	18.36	1065.32	6.27	0.57	0.51	42.39
Downgradient	MR-AP-MW-5	03/14/2022	16.08	1511.6	6.92	0.31	0.21	-66.96
Downgradient	MR-AP-MW-6	03/16/2022	17.04	1208.97	6.07	3.15	0.41	-13.98
Downgradient	MR-AP-MW-7DR	03/08/2022	15.72	1223.41	6.81	0.21	0.55	-45.61
Downgradient	MR-AP-MW-7SR	03/08/2022	14.8	908.38	6.61	3.08	0.49	-37.94
Downgradient	MR-AP-MW-9DR	03/08/2022	17.11	788.53	6.75	1.98	0.29	-65.08
Downgradient	MR-AP-MW-9SR	03/08/2022	17.08	911.52	6.28	4.99	0.46	-2.64
Downgradient	MR-AP-PZ-5	03/14/2022	16.78	1231.92	8.47	0.01	0.63	-307.2
Vert. Delineation	MR-AP-MW-4V	03/15/2022	17.96	1384.38	6.68	0.31	0.41	0.03
Vert. Delineation	MR-AP-MW-6V	03/16/2022	17.43	950.99	7.17	1.76	1.3	-37.32
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	16.22	632.18	7.07	1.89	0.32	-54.84
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	14.42	618.64	7.5	0.47	1.79	-63.56
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	16.98	1558.26	8.07	1.53	0.31	-325.26
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	15.65	1514.71	7.38	0.87	0.94	-92.09
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	16.45	945.5	6.71	0.58	0.32	-59.85
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	21.54	496.36	7.17	3.35	0.42	-84.52
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	23.16	549.52	6.82	1.22	0.86	-41.56
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	16.7	1784.2	6.72	1.97	0.71	-105.51
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	16.07	1167.96	6.94	2.58	0.81	-60.59
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	15.69	403.01	7.35	1.14	3.46	-38.99

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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

Field Parameters								
Hydraulic Location	**Well**	**Sample Date**	**Field Temperature C**	**Conductivity uS/cm**	**pH_Field SU**	**Turbidity NTU**	**DO mg/L**	**ORP mv**
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	16.63	1179.06	6.5	4.32	0.82	-4.57
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	16.12	1427	8.09	3.13	0.26	-308.08
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	17.8	636.49	6.77	0.65	0.26	-64.26
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	16.97	3306.39	7.51	1.63	0.93	-113.62
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	17.67	498.16	7.12	1.89	0.5	-53.75

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix III Set								
Hydraulic Location	Well	Sample Date	Boron mg/L	Calcium mg/L	Chloride mg/L	Fluoride mg/L	pH_Field SU	Sulfate mg/L
Upgradient	GS-AP-MW-17V	02/14/2022	0.0386 J	30.1	3.26	0.237	7.43	9.09
Upgradient	GS-AP-MW-8	02/16/2022	<0.03	4.42	4.42	0.0616 J	5.8	4.68
Upgradient	MR-AP-MW-21	03/17/2022	0.089 J	54.6	11.1	0.127	7.72	137
Upgradient	MR-AP-MW-22D	03/17/2022	0.153	71.2	2660	0.116 J	7.96	66.2
Upgradient	MR-AP-MW-22I	03/16/2022	0.121	2.66	47.3	0.222	7.94	24.8
Upgradient	MR-AP-MW-22S	03/16/2022	0.0672 J	97.5	127	0.145	6.92	174
Upgradient	MR-AP-MW-23	03/15/2022	0.709	117	2450	0.403	7.61	0.862 J
Upgradient	MR-AP-MW-23A	03/16/2022	0.668	128	2520	0.394	7.48	33.5
Downgradient	MR-AP-MW-1	03/15/2022	0.0528 J	98.1	10.4	0.142	8.71	512
Downgradient	MR-AP-MW-10	05/19/2022	6.17	143	4.75	1.86	7.24	735
Downgradient	MR-AP-MW-11	03/16/2022	0.0357 J	173	7.08	0.107 J	6.94	707
Downgradient	MR-AP-MW-12	03/17/2022	7.07	102	7.92	1.21	6.42	1510
Downgradient	MR-AP-MW-13DR	03/09/2022	0.0558 J	73	45.8	0.179	6.97	210
Downgradient	MR-AP-MW-13SR	03/09/2022	0.0421 J	96.8	4.71	0.573	6.05	902
Downgradient	MR-AP-MW-14R	03/09/2022	0.081 J	36.6	7.96	0.188	6.53	48.7
Downgradient	MR-AP-MW-15	03/09/2022	0.445	39.1	17.6	0.103 J	6.37	123
Downgradient	MR-AP-MW-16	03/08/2022	2.13	154	7.81	0.155	6.15	530
Downgradient	MR-AP-MW-2	03/16/2022	0.165	239	6.88	0.268	6.14	1630
Downgradient	MR-AP-MW-3D	03/16/2022	0.428	116	15	0.388	7.04	352
Downgradient	MR-AP-MW-3S	03/16/2022	0.276	5.38	79.4	0.309	9.05	227
Downgradient	MR-AP-MW-4	03/15/2022	0.423	159	19	0.154	6.27	475

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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix III Set								
Hydraulic Location	**Well**	**Sample Date**	**Boron mg/L**	**Calcium mg/L**	**Chloride mg/L**	**Fluoride mg/L**	**pH_Field SU**	**Sulfate mg/L**
Downgradient	MR-AP-MW-5	03/14/2022	0.864	228	26.1	0.405	6.92	810
Downgradient	MR-AP-MW-6	03/16/2022	0.887	160	33.2	0.155	6.07	587
Downgradient	MR-AP-MW-7DR	03/08/2022	0.759	124	54.3	<0.06	6.81	407
Downgradient	MR-AP-MW-7SR	03/08/2022	0.711	91.2	24.3	0.223	6.61	279
Downgradient	MR-AP-MW-9DR	03/08/2022	<0.03	86.5	7.08	0.11 J	6.75	296
Downgradient	MR-AP-MW-9SR	03/08/2022	0.117	99.1	8.44	0.125	6.28	349
Downgradient	MR-AP-PZ-5	03/14/2022	0.245	6.95	30.7	2.28	8.47	51.7
Vert. Delineation	MR-AP-MW-4V	03/15/2022	0.642	226	23.7	0.244	6.68	702
Vert. Delineation	MR-AP-MW-6V	03/16/2022	0.499	99.9	27.7	0.145	7.17	266
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	0.0797 J	41.7	6.06	0.158	7.07	62.1
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	0.194	3.72	5.42	0.294	7.5	125
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	0.158	8.95	165	2.4	8.07	110
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	0.759	191	27.6	0.329	7.38	785
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	0.491	115	33.8	<0.06	6.71	398
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	<0.03	44.5	15.5	0.116 J	7.17	65.4
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	0.292	50.6	5.91	0.111 J	6.82	105
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	0.0394 J	198	99.5	0.142	6.72	761
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	0.0311 J	129	14.1	<0.06	6.94	414
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	<0.03	53.6	8.5	0.138	7.35	18.2
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	0.715	225	24.3	0.186	6.5	730
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	0.107	12.9	161	0.302	8.09	185

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix III Set								
Hydraulic Location	**Well**	**Sample Date**	**Boron mg/L**	**Calcium mg/L**	**Chloride mg/L**	**Fluoride mg/L**	**pH_Field SU**	**Sulfate mg/L**
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	<0.03	61.6	2.2	0.129	6.77	199
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	0.132	32.6	471	0.4	7.51	746
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	<0.03	38.2	10.9	0.132	7.12	36

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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix IV Set										
Hydraulic Location	Well	Sample Date	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Cadmium mg/L	Chromium mg/L	Cobalt mg/L	Fluoride mg/L
Upgradient	GS-AP-MW-17V	02/14/2022	<0.000508	0.000469	0.315	<0.000406	<6.8e-005	0.000205 J	<6.8e-005	0.237
Upgradient	GS-AP-MW-8	02/16/2022	<0.000508	0.000278	0.00763	<0.000406	<6.8e-005	0.000396 J	0.000548	0.0616 J
Upgradient	MR-AP-MW-21	03/17/2022	<0.000508	0.00137	0.142	<0.000406	<6.8e-005	0.000243 J	7.53e-005 J	0.127
Upgradient	MR-AP-MW-22D	03/17/2022	0.00114	0.00354	2.95	<0.000406	<6.8e-005	0.000659 J	<6.8e-005	0.116 J
Upgradient	MR-AP-MW-22I	03/16/2022	<0.000508	0.000259	0.0367	<0.000406	<6.8e-005	0.0003 J	<6.8e-005	0.222
Upgradient	MR-AP-MW-22S	03/16/2022	<0.000508	0.000369	0.053	<0.000406	<6.8e-005	0.000235 J	<6.8e-005	0.145
Upgradient	MR-AP-MW-23	03/15/2022	0.000896 J	0.000383	11.7	<0.000406	<6.8e-005	0.00039 J	7.81e-005 J	0.403
Upgradient	MR-AP-MW-23A	03/16/2022	0.00109	0.00449	6.68	<0.000406	<6.8e-005	0.000305 J	0.00294	0.394
Downgradient	MR-AP-MW-1	03/15/2022	<0.000508	0.0021	0.12	<0.000406	<6.8e-005	0.00199	0.000381	0.142
Downgradient	MR-AP-MW-10	03/17/2022	<0.000508	0.061	0.0106	<0.000406	8.62e-005 J	0.00139	0.000905	1.86
Downgradient	MR-AP-MW-11	03/16/2022	<0.000508	0.000117 J	0.031	<0.000406	<6.8e-005	0.000274 J	<6.8e-005	0.107 J
Downgradient	MR-AP-MW-12	03/17/2022	0.000583 J	0.0078	0.0149	<0.000406	0.00016 J	0.00048 J	0.00116	1.21
Downgradient	MR-AP-MW-13DR	03/09/2022	<0.000508	0.000659	0.0618	<0.000406	<6.8e-005	<0.000203	0.000664	0.179
Downgradient	MR-AP-MW-13SR	03/09/2022	<0.000508	0.00155	0.0216	0.00171	9.6e-005 J	0.000675 J	0.0824	0.573
Downgradient	MR-AP-MW-14R	03/09/2022	<0.000508	0.000186 J	0.101	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.188
Downgradient	MR-AP-MW-15	03/09/2022	<0.000508	0.00042	0.0275	<0.000406	<6.8e-005	0.000279 J	0.000652	0.103 J
Downgradient	MR-AP-MW-16	03/08/2022	<0.000508	0.000728	0.0206	<0.000406	<6.8e-005	<0.000203	0.00413	0.155
Downgradient	MR-AP-MW-2	03/16/2022	<0.000508	0.00394	0.0147	<0.000406	<6.8e-005	<0.000203	0.0444	0.268
Downgradient	MR-AP-MW-3D	03/16/2022	<0.000508	0.0107	0.0247	<0.000406	<6.8e-005	0.000327 J	0.00378	0.388
Downgradient	MR-AP-MW-3S	03/16/2022	<0.000508	0.000737	0.149	<0.000406	<6.8e-005	0.000339 J	<6.8e-005	0.309
Downgradient	MR-AP-MW-4	03/15/2022	<0.000508	0.000199 J	0.0137	<0.000406	<6.8e-005	<0.000203	0.0039	0.154

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Southern Company

Table 6. First Semi-Annual Monitoring Event

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Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix IV Set								
Hydraulic Location	**Well**	**Sample Date**	**Lead mg/L**	**Lithium mg/L**	**Mercury mg/L**	**Molybdenum mg/L**	**Selenium mg/L**	**Thallium mg/L**
Upgradient	GS-AP-MW-17V	02/14/2022	<6.8e-005	0.0499	<0.0003	0.00276	<0.000508	<6.8e-005
Upgradient	GS-AP-MW-8	02/16/2022	<6.8e-005	0.00826 J	<0.0003	0.000118 J	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-21	03/17/2022	<6.8e-005	0.054	<0.0003	0.0005	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-22D	03/17/2022	<6.8e-005	0.369	<0.0003	0.00897	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-22I	03/16/2022	<6.8e-005	0.0469	<0.0003	0.00135	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-22S	03/16/2022	<6.8e-005	0.0626	<0.0003	0.000324	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-23	03/15/2022	<6.8e-005	0.911	<0.0003	0.00221	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-23A	03/16/2022	<6.8e-005	0.815	<0.0003	0.00535	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-1	03/15/2022	<6.8e-005	0.156	<0.0003	0.00568	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-10	03/17/2022	<6.8e-005	0.174	<0.0003	0.751	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-11	03/16/2022	<6.8e-005	0.172	<0.0003	0.000387	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-12	03/17/2022	<6.8e-005	0.104	<0.0003	1.17	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-13DR	03/09/2022	<6.8e-005	0.031	<0.0003	0.00325	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-13SR	03/09/2022	0.000112 J	0.0215	<0.0003	0.000137 J	<0.000508	0.000133 J
Downgradient	MR-AP-MW-14R	03/09/2022	<6.8e-005	0.0196 J	<0.0003	0.000116 J	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-15	03/09/2022	<6.8e-005	0.0177 J	<0.0003	0.000114 J	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-16	03/08/2022	<6.8e-005	0.0901	<0.0003	0.0418	0.00171	7.15e-005 J
Downgradient	MR-AP-MW-2	03/16/2022	<6.8e-005	0.211	<0.0003	0.00207	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-3D	03/16/2022	<6.8e-005	0.0914	<0.0003	0.0266	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-3S	03/16/2022	<6.8e-005	0.271	<0.0003	0.0488	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-4	03/15/2022	<6.8e-005	0.0575	<0.0003	0.00011 J	<0.000508	7.05e-005 J

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5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix IV Set										
Hydraulic Location	**Well**	**Sample Date**	**Antimony mg/L**	**Arsenic mg/L**	**Barium mg/L**	**Beryllium mg/L**	**Cadmium mg/L**	**Chromium mg/L**	**Cobalt mg/L**	**Fluoride mg/L**
Downgradient	MR-AP-MW-5	03/14/2022	<0.000508	0.00987	0.0162	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.405
Downgradient	MR-AP-MW-6	03/16/2022	<0.000508	0.000115 J	0.0228	<0.000406	<6.8e-005	0.000232 J	0.00531	0.155
Downgradient	MR-AP-MW-7DR	03/08/2022	<0.000508	0.000614	0.0261	<0.000406	<6.8e-005	<0.000203	<6.8e-005	<0.06
Downgradient	MR-AP-MW-7SR	03/08/2022	<0.000508	0.00177	0.0403	<0.000406	<6.8e-005	0.00023 J	0.00067	0.223
Downgradient	MR-AP-MW-9DR	03/08/2022	<0.000508	0.000858	0.0393	<0.000406	<6.8e-005	0.000241 J	0.000128 J	0.11 J
Downgradient	MR-AP-MW-9SR	03/08/2022	<0.000508	0.000786	0.0169	<0.000406	<6.8e-005	0.000204 J	0.000216	0.125
Downgradient	MR-AP-PZ-5	03/14/2022	<0.000508	8.82e-005 J	0.267	<0.000406	<6.8e-005	0.00024 J	<6.8e-005	2.28
Vert. Delineation	MR-AP-MW-4V	03/15/2022	<0.000508	0.00165	0.0183	<0.000406	<6.8e-005	0.000322 J	0.013	0.244
Vert. Delineation	MR-AP-MW-6V	03/16/2022	<0.000508	0.00161	0.0281	<0.000406	<6.8e-005	0.000222 J	0.000213	0.145
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	<0.000508	<8.1e-005	0.622	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.158
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	<0.000508	0.000276	0.0258	<0.000406	<6.8e-005	0.000226 J	<6.8e-005	0.294
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	<0.000508	0.00061	0.0604	<0.000406	<6.8e-005	<0.000203	<6.8e-005	2.4
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	<0.000508	0.000874	0.0245	<0.000406	<6.8e-005	0.000205 J	0.000813	0.329
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	<0.000508	0.000305	0.0263	<0.000406	<6.8e-005	0.00022 J	0.000831	<0.06
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	<0.000508	0.000265	0.0875	<0.000406	<6.8e-005	0.000357 J	<6.8e-005	0.116 J
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	<0.000508	0.00135	0.0452	<0.000406	<6.8e-005	<0.000203	0.000248	0.111 J
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	<0.000508	0.0011	0.0214	<0.000406	<6.8e-005	0.000215 J	<6.8e-005	0.142
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	<0.000508	0.000395	0.0361	<0.000406	<6.8e-005	0.000211 J	<6.8e-005	<0.06
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	<0.000508	0.000802	0.492	<0.000406	<6.8e-005	0.000236 J	7.12e-005 J	0.138
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	<0.000508	0.00358	0.0317	<0.000406	<6.8e-005	<0.000203	0.0105	0.186
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	<0.000508	0.000674	0.0615	<0.000406	<6.8e-005	0.000208 J	<6.8e-005	0.302

Notes:
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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix IV Set								
Hydraulic Location	**Well**	**Sample Date**	**Lead mg/L**	**Lithium mg/L**	**Mercury mg/L**	**Molybdenum mg/L**	**Selenium mg/L**	**Thallium mg/L**
Downgradient	MR-AP-MW-5	03/14/2022	<6.8e-005	0.189	<0.0003	0.0753	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-6	03/16/2022	<6.8e-005	0.0731	<0.0003	0.00145	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-7DR	03/08/2022	<6.8e-005	0.105	<0.0003	0.00515	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-7SR	03/08/2022	<6.8e-005	0.139	<0.0003	0.0333	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-9DR	03/08/2022	<6.8e-005	0.0682	<0.0003	0.00121	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-9SR	03/08/2022	<6.8e-005	0.04	<0.0003	0.000268	<0.000508	<6.8e-005
Downgradient	MR-AP-PZ-5	03/14/2022	<6.8e-005	0.143	<0.0003	0.000335	<0.000508	<6.8e-005
Vert. Delineation	MR-AP-MW-4V	03/15/2022	<6.8e-005	0.12	<0.0003	0.00749	<0.000508	<6.8e-005
Vert. Delineation	MR-AP-MW-6V	03/16/2022	<6.8e-005	0.097	<0.0003	0.00644	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	<6.8e-005	0.0644	<0.0003	<0.000102	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	<6.8e-005	0.0926	<0.0003	0.0104	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	<6.8e-005	0.124	<0.0003	0.00363	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	<6.8e-005	0.217	<0.0003	0.0621	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	<6.8e-005	0.0594	<0.0003	0.000371	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	0.000101 J	0.0415	<0.0003	0.000701	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	<6.8e-005	0.0531	<0.0003	0.00203	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	<6.8e-005	0.088	<0.0003	0.00234	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	<6.8e-005	0.117	<0.0003	0.00032	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	<6.8e-005	<0.007105	<0.0003	0.00541	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	<6.8e-005	0.132	<0.0003	0.0186	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	<6.8e-005	0.13	<0.0003	0.00765	<0.000508	<6.8e-005

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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix IV Set										
Hydraulic Location	**Well**	**Sample Date**	**Antimony mg/L**	**Arsenic mg/L**	**Barium mg/L**	**Beryllium mg/L**	**Cadmium mg/L**	**Chromium mg/L**	**Cobalt mg/L**	**Fluoride mg/L**
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	<0.000508	0.0118	0.0274	<0.000406	<6.8e-005	0.000233 J	7.58e-005 J	0.129
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	<0.000508	0.00633	0.0536	<0.000406	<6.8e-005	<0.000203	0.000142 J	0.4
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	0.00105	0.00148	0.103	<0.000406	<6.8e-005	0.000204 J	<6.8e-005	0.132

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4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

EPA Appendix IV Set								
Hydraulic Location	**Well**	**Sample Date**	**Lead mg/L**	**Lithium mg/L**	**Mercury mg/L**	**Molybdenum mg/L**	**Selenium mg/L**	**Thallium mg/L**
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	<6.8e-005	0.0264	<0.0003	0.00121	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	<6.8e-005	0.294	<0.0003	0.0981	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	<6.8e-005	0.0588	<0.0003	<0.000102	<0.000508	<6.8e-005

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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Carbonate Alkalinity as CaCO3 mg/L	Chloride mg/L	Sodium mg/L	Alkalinity Total as CaCO3 mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Silica mg/L	Magnesium Total mg/L	Calcium mg/L
Upgradient	GS-AP-MW-17V	02/14/2022	3.72	3.26	94.7	348	344	23.1	12.5	30.1
Upgradient	GS-AP-MW-8	02/16/2022	0.01	4.42	11.4	59.8	59.8	37.2	7.75	4.42
Upgradient	MR-AP-MW-21	03/17/2022	2.52	11.1	84.6	265	262	17.8	16.8	54.6
Upgradient	MR-AP-MW-22D	03/17/2022	1.04	2660	1760	109	108	9.76	20.6	71.2
Upgradient	MR-AP-MW-22I	03/16/2022	6.13	47.3	156	272	266	11.4	0.748	2.66
Upgradient	MR-AP-MW-22S	03/16/2022	3.15	127	73.4	235	232	31	45.2	97.5
Upgradient	MR-AP-MW-23	03/15/2022	1.56	2450	1600	318	316	16.3	42.7	117
Upgradient	MR-AP-MW-23A	03/16/2022	1.87	2520	1640	246	244	15.9	45.6	128
Downgradient	MR-AP-MW-1	03/15/2022	3.02	10.4	153	225	222	13.1	26.1	98.1
Downgradient	MR-AP-MW-10	05/19/2022	2.4	8.19	291	225	223	21	35.2	143
Downgradient	MR-AP-MW-11	03/16/2022	1.24	7.08	65.6	201	200	13.4	81.3	173
Downgradient	MR-AP-MW-12	03/17/2022	1.64	7.92	783	259	257	11.9	57.9	94.2
Downgradient	MR-AP-MW-13DR	03/09/2022	0.24	45.8	82.4	205	205	20.1	31.5	73
Downgradient	MR-AP-MW-13SR	03/09/2022	0.15	4.71	28.1	71.3	71.1	19.2	163	96.8
Downgradient	MR-AP-MW-14R	03/09/2022	0.21	7.96	11.5	140	140	31.5	15.7	36.6
Downgradient	MR-AP-MW-15	03/09/2022	0.07	17.6	19.9	76.3	76.2	35.1	12.3	39.1
Downgradient	MR-AP-MW-16	03/08/2022	0.25	7.81	69.8	61.7	61.4	5.82	19.4	154
Downgradient	MR-AP-MW-2	03/16/2022	0	6.88	131	24.2	24.2	20	149	239
Downgradient	MR-AP-MW-3D	03/16/2022	1.04	15	74.3	217	216	11.4	28	116
Downgradient	MR-AP-MW-3S	03/16/2022	24.5	79.4	251	252	227	10.1	1.93	5.38

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Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Iron Total mg/L	Nitrate Nitrite mg/L as N	Aluminum mg/L	Sulfate mg/L	Manganese Total mg/L	Potassium mg/L	Carbon, Total Organic mg/L	Silicon mg/L
Upgradient	GS-AP-MW-17V	02/14/2022	1.07	<0.2	<0.00406	9.09	0.0316	2.13	<1	10.8
Upgradient	GS-AP-MW-8	02/16/2022	0.329	<0.2	0.0413	4.68	0.0911	0.781	<1	17.4
Upgradient	MR-AP-MW-21	03/17/2022	0.36	<0.2	0.0206	137	0.0901	3.57	<1	8.32
Upgradient	MR-AP-MW-22D	03/17/2022	0.0971	<0.2	0.0125	66.2	0.0578	16.2	<1	4.56
Upgradient	MR-AP-MW-22I	03/16/2022	0.0386 J	<0.2	0.0779	24.8	0.00588	3.32	<1	5.34
Upgradient	MR-AP-MW-22S	03/16/2022	1.52	<0.2	<0.00609	174	0.209	1.81	<1	14.5
Upgradient	MR-AP-MW-23	03/15/2022	2	<0.2	0.035	0.862 J	0.0977	6.06	1.14 J	7.64
Upgradient	MR-AP-MW-23A	03/16/2022	0.573	0.87	<0.00609	33.5	0.0676	8.36	<1	7.44
Downgradient	MR-AP-MW-1	03/15/2022	4.9	<0.2	0.00992 J	512	0.0973	6.24	1.75 J	6.12
Downgradient	MR-AP-MW-10	05/19/2022	1.66	<0.2	0.01 J	1390	0.52	6.27	1.71 J	9.79
Downgradient	MR-AP-MW-11	03/16/2022	4.74	<0.2	<0.00609	707	0.102	8.83	1.99 J	6.27
Downgradient	MR-AP-MW-12	03/17/2022	3.1	<0.2	0.0385	1510	0.909	14.1	1.91 J	5.54
Downgradient	MR-AP-MW-13DR	03/09/2022	0.358	0.514	<0.00609	210	0.125	4.45	<1	9.37
Downgradient	MR-AP-MW-13SR	03/09/2022	15.9	<0.2	0.0856	902	2.8	4.01	2.07	8.99
Downgradient	MR-AP-MW-14R	03/09/2022	3.52	<0.2	0.0178	48.7	0.177	1.01	<1	14.7
Downgradient	MR-AP-MW-15	03/09/2022	10.3	<0.2	<0.00609	123	0.568	0.96	<1	16.4
Downgradient	MR-AP-MW-16	03/08/2022	0.434	0.44	<0.00609	530	0.966	11.6	1.22 J	2.72
Downgradient	MR-AP-MW-2	03/16/2022	172	0.271 J	0.0117	1630	3.37	4.12	2.65	9.36
Downgradient	MR-AP-MW-3D	03/16/2022	2.33	<0.2	0.0205	352	1.24	6.03	2.08	5.33
Downgradient	MR-AP-MW-3S	03/16/2022	0.0198 J	<0.2	0.017	227	0.00588	3.77	2.46	4.71

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters			
Hydraulic Location	**Well**	**Sample Date**	**Sulfide mg/L**
Upgradient	GS-AP-MW-17V	02/14/2022	--
Upgradient	GS-AP-MW-8	02/16/2022	--
Upgradient	MR-AP-MW-21	03/17/2022	--
Upgradient	MR-AP-MW-22D	03/17/2022	--
Upgradient	MR-AP-MW-22I	03/16/2022	--
Upgradient	MR-AP-MW-22S	03/16/2022	--
Upgradient	MR-AP-MW-23	03/15/2022	--
Upgradient	MR-AP-MW-23A	03/16/2022	--
Downgradient	MR-AP-MW-1	03/15/2022	--
Downgradient	MR-AP-MW-10	05/19/2022	0
Downgradient	MR-AP-MW-11	03/16/2022	--
Downgradient	MR-AP-MW-12	03/17/2022	0
Downgradient	MR-AP-MW-13DR	03/09/2022	--
Downgradient	MR-AP-MW-13SR	03/09/2022	--
Downgradient	MR-AP-MW-14R	03/09/2022	--
Downgradient	MR-AP-MW-15	03/09/2022	--
Downgradient	MR-AP-MW-16	03/08/2022	--
Downgradient	MR-AP-MW-2	03/16/2022	--
Downgradient	MR-AP-MW-3D	03/16/2022	--
Downgradient	MR-AP-MW-3S	03/16/2022	--

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02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Carbonate Alkalinity as CaCO3 mg/L	Chloride mg/L	Sodium mg/L	Alkalinity Total as CaCO3 mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Silica mg/L	Magnesium Total mg/L	Calcium mg/L
Downgradient	MR-AP-MW-4	03/15/2022	0.63	19	31.2	97.9	97.2	12.2	32.2	159
Downgradient	MR-AP-MW-5	03/14/2022	0.52	26.1	79.6	90.4	89.8	7.98	34.7	228
Downgradient	MR-AP-MW-6	03/16/2022	0.01	33.2	51.4	44.2	44.2	14.5	31.8	160
Downgradient	MR-AP-MW-7DR	03/08/2022	0.18	54.3	81.2	165	165	14.4	38.8	124
Downgradient	MR-AP-MW-7SR	03/08/2022	0.66	24.3	59.6	208	207	21.3	38	91.2
Downgradient	MR-AP-MW-9DR	03/08/2022	0.96	7.08	35	204	203	39.2	48.7	86.5
Downgradient	MR-AP-MW-9SR	03/08/2022	0.3	8.44	31.9	169	169	27.8	54.1	99.1
Downgradient	MR-AP-PZ-5	03/14/2022	18.8	30.7	322	681	662	9.24	2.74	6.95
Vert. Delineation	MR-AP-MW-4V	03/15/2022	0.64	23.7	47.7	101	100	11.2	43.6	226
Vert. Delineation	MR-AP-MW-6V	03/16/2022	0.42	27.7	66.2	222	222	18	29	99.9
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	1.44	6.06	96.2	307	306	29.1	15.8	41.7
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	1.93	5.42	147	189	187	10.3	1.61	3.72
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	10.8	165	451	700	689	12.6	2.98	8.95
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	0.52	27.6	102	113	112	10.6	43.8	191
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	0.14	33.8	41	76.7	76.5	30.8	36.4	115
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	1.22	15.5	38.3	184	183	29.5	15.6	44.5
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	2.05	5.91	36.2	210	208	37.4	26.1	50.6
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	0.51	99.5	130	250	249	22.7	89.4	198
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	2.2	14.1	78.1	290	288	20	52.3	129
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	1.77	8.5	21.8	208	206	22.7	11.2	53.6

Notes:
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4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Southern Company

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Iron Total mg/L	Nitrate Nitrite mg/L as N	Aluminum mg/L	Sulfate mg/L	Manganese Total mg/L	Potassium mg/L	Carbon, Total Organic mg/L	Silicon mg/L
Downgradient	MR-AP-MW-4	03/15/2022	0.135	<0.2	0.0098 J	475	2.54	7.92	1.47 J	5.72
Downgradient	MR-AP-MW-5	03/14/2022	4.53	<0.2	<0.00609	810	1.97	9.92	1.48 J	3.73
Downgradient	MR-AP-MW-6	03/16/2022	28.3	<0.2	0.0128	587	6.41	6.33	1.25 J	6.79
Downgradient	MR-AP-MW-7DR	03/08/2022	2.18	<0.2	<0.00609	407	1.12	2.42	1.97 J	6.73
Downgradient	MR-AP-MW-7SR	03/08/2022	6.96	<0.2	<0.00609	279	1.45	2.98	2.27	9.95
Downgradient	MR-AP-MW-9DR	03/08/2022	3.36	<0.2	<0.00609	296	0.168	2.32	<1	18.3
Downgradient	MR-AP-MW-9SR	03/08/2022	3.75	<0.2	<0.00609	349	0.503	2.39	1.02 J	13
Downgradient	MR-AP-PZ-5	03/14/2022	<0.00812	<0.2	0.0138	51.7	0.0104	2.44	2.57	4.32
Vert. Delineation	MR-AP-MW-4V	03/15/2022	2.18	<0.2	<0.00609	702	2.57	8.13	1.36 J	5.22
Vert. Delineation	MR-AP-MW-6V	03/16/2022	1.67	<0.2	0.00959 J	266	0.508	2.27	1.41 J	8.4
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	0.835	<0.2	0.0139	62.1	0.0649	1.44	1.18 J	13.6
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	0.356	<0.2	0.0247	125	0.0196	0.837	1.87 J	4.79
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	0.011 J	<0.2	0.03	110	0.0154	3.39	11.6	5.89
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	4.7	<0.2	0.0117	785	1.18	4.76	1.73 J	4.94
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	7.6	<0.2	<0.00609	398	0.465	1.29	1.13 J	14.4
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	0.698	<0.2	0.0242	65.4	0.0242	2.23	<1	13.8
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	0.861	<0.2	<0.00609	105	0.0613	1.98	<1	17.5
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	2.37	<0.2	<0.00609	761	0.122	15.7	4.82	10.6
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	0.873	<0.2	<0.00609	414	0.0358	3.71	<1	9.33
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	0.162	0.278 J	<0.00609	18.2	0.00862	1.62	<1	10.6

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4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters			
Hydraulic Location	**Well**	**Sample Date**	**Sulfide mg/L**
Downgradient	MR-AP-MW-4	03/15/2022	--
Downgradient	MR-AP-MW-5	03/14/2022	--
Downgradient	MR-AP-MW-6	03/16/2022	--
Downgradient	MR-AP-MW-7DR	03/08/2022	--
Downgradient	MR-AP-MW-7SR	03/08/2022	--
Downgradient	MR-AP-MW-9DR	03/08/2022	--
Downgradient	MR-AP-MW-9SR	03/08/2022	--
Downgradient	MR-AP-PZ-5	03/14/2022	--
Vert. Delineation	MR-AP-MW-4V	03/15/2022	--
Vert. Delineation	MR-AP-MW-6V	03/16/2022	--
Horiz. Delineation	MR-AP-MW-17H	03/08/2022	--
Horiz. Delineation	MR-AP-MW-18H	03/08/2022	--
Horiz. Delineation	MR-AP-MW-19HA	03/09/2022	--
Horiz. Delineation	MR-AP-MW-20H	03/09/2022	--
Horiz. Delineation	MR-AP-MW-20HS	03/09/2022	--
Horiz. Delineation	MR-AP-MW-27HR	03/14/2022	--
Horiz. Delineation	MR-AP-MW-28H	03/14/2022	--
Horiz. Delineation	MR-AP-MW-30H	03/16/2022	--
Horiz. Delineation	MR-AP-MW-31H	03/16/2022	--
Horiz. Delineation	MR-AP-MW-32H	03/09/2022	--

Notes:
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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Carbonate Alkalinity as CaCO3 mg/L	Chloride mg/L	Sodium mg/L	Alkalinity Total as CaCO3 mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Silica mg/L	Magnesium Total mg/L	Calcium mg/L
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	0.21	24.3	46.2	74.7	74.5	9.27	37.3	225
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	7.63	161	361	464	456	15.1	4.19	12.9
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	0.81	2.2	26	151	150	34.9	34.2	61.6
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	2.97	471	723	291	288	12.3	11.9	32.6
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	3.84	10.9	58.6	250	246	24.8	13.1	38.2

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5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Iron Total mg/L	Nitrate Nitrite mg/L as N	Aluminum mg/L	Sulfate mg/L	Manganese Total mg/L	Potassium mg/L	Carbon, Total Organic mg/L	Silicon mg/L
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	2.14	<0.2	0.0177	730	3.53	10.2	1.86 J	4.33
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	0.0485	<0.2	0.0064 J	185	0.0179	7.18	11.9	7.07
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	3.03	<0.2	0.00687 J	199	0.259	1.65	<1	16.3
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	0.421	<0.2	<0.00609	746	0.0505	29.2	1.59 J	5.77
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	0.478	<0.2	0.00625 J	36	0.0135	2.09	<1	11.6

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
02/14/2022 - 05/19/2022

General Chemistry and MNA Parameters			
Hydraulic Location	**Well**	**Sample Date**	**Sulfide mg/L**
Horiz. Delineation	MR-AP-MW-33H	03/14/2022	--
Horiz. Delineation	MR-AP-MW-34H	03/09/2022	--
Horiz. Delineation	MR-AP-MW-35H	03/08/2022	--
Horiz. Delineation	MR-AP-MW-36HR	03/16/2022	--
Horiz. Delineation	MR-AP-MW-37H	03/17/2022	--

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4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Conductivity uS/cm	DO mg/L	ORP mv	pH_Field SU	Field Temperature C	Turbidity NTU
Upgradient	GS-AP-MW-17V	08/09/2022	607.23	0.43	-145.51	7.55	19.17	1.9
Upgradient	GS-AP-MW-8	08/02/2022	133.94	0.79	113.61	5.78	21.6	1.32
Upgradient	MR-AP-MW-21	09/26/2022	833.11	0.53	-165.95	7.36	18.33	1.45
Upgradient	MR-AP-MW-22D	09/21/2022	6352.82	0.09	-267.6	7.82	23.04	1.03
Upgradient	MR-AP-MW-22I	09/21/2022	631.11	0.03	-202.45	8.09	20.81	0.98
Upgradient	MR-AP-MW-22S	09/21/2022	1124.22	0.06	-112.23	6.78	19.2	0.79
Upgradient	MR-AP-MW-23	09/14/2022	7280.21	0.52	-136.37	7.59	22.93	0.49
Upgradient	MR-AP-MW-23A	09/14/2022	7992.53	1.75	-92.84	7.43	27.34	0.35
Downgradient	MR-AP-MW-1	09/19/2022	1338.52	0.04	-261.67	8.09	19.24	4.51
Downgradient	MR-AP-MW-10	09/26/2022	3332.33	0.45	-120.81	7.16	18.56	4.12
Downgradient	MR-AP-MW-11	09/20/2022	1418.91	0.32	-81.36	6.7	22.42	3.94
Downgradient	MR-AP-MW-12	09/26/2022	2016.69	1.38	-13.92	6.71	21.88	1.96
Downgradient	MR-AP-MW-13DR	09/19/2022	964.39	3.51	-60.72	7.07	26.58	0.84
Downgradient	MR-AP-MW-13SR	09/19/2022	1408.2	5.25	103.84	5.65	20.11	1.17
Downgradient	MR-AP-MW-14R	09/26/2022	339.65	0.05	-42.65	6.49	18.07	5.34
Downgradient	MR-AP-MW-15	09/20/2022	901.96	0.1	-22.42	6.32	20.62	9.71
Downgradient	MR-AP-MW-16	09/20/2022	1069.02	0.17	56.38	6.66	19.51	0.75
Downgradient	MR-AP-MW-2	09/26/2022	2514.27	0.25	-61.1	6.37	18.71	1.84
Downgradient	MR-AP-MW-3D	09/19/2022	1045.99	0.32	-61.1	6.77	19.23	7.96
Downgradient	MR-AP-MW-3S	09/19/2022	1086.79	0.33	-201.59	8.73	20.12	0.5

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

Field Parameters								
Hydraulic Location	**Well**	**Sample Date**	**Conductivity uS/cm**	**DO mg/L**	**ORP mv**	**pH_Field SU**	**Field Temperature C**	**Turbidity NTU**
Downgradient	MR-AP-MW-4	09/26/2022	924.83	0.21	66.31	6.05	20.16	1.84
Downgradient	MR-AP-MW-5	09/20/2022	1409.59	0.07	-227.52	7.03	17.93	0.36
Downgradient	MR-AP-MW-6	09/21/2022	1186.03	0.31	-54.09	6.08	21.08	7.46
Downgradient	MR-AP-MW-7DR	09/20/2022	1183.76	0.2	-105.36	6.69	19.38	0.59
Downgradient	MR-AP-MW-7SR	09/20/2022	918.9	0.14	-95.97	6.5	19.64	0.96
Downgradient	MR-AP-MW-9DR	09/21/2022	1611.16	0.44	-62.47	6.71	19.48	4.05
Downgradient	MR-AP-MW-9SR	09/21/2022	1048.1	0.49	3.16	6.49	18.23	1.49
Downgradient	MR-AP-PZ-5	09/20/2022	1181.38	0.26	-320.33	8.07	20.79	1.2
Vert. Delineation	MR-AP-MW-4V	09/26/2022	1460.61	0.31	-74.66	6.75	19.79	4.9
Vert. Delineation	MR-AP-MW-6V	09/26/2022	919.28	8.52	-66.64	7.76	19.3	7.58
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	759.93	0.19	-64.96	6.55	17.47	4.08
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	1231.63	0.87	-90.06	7.21	23.23	1.2
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	2390.59	0.8	-253.03	7.79	21.49	0.14
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	1514.04	0.5	-133.99	7.26	20.72	2.49
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	813.4	0.19	-59.21	6.33	18.7	1.38
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	531.7	1.27	-29.46	7.15	22.3	2.44
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	548.46	0.86	-19.27	6.72	24.81	4.14
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	1851.48	0.23	-112	6.78	19.35	1.01
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	1128.01	0.08	-95.88	7	18.28	4.39
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	469.78	2.4	-59.12	7.2	22.83	3.06

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

Field Parameters								
Hydraulic Location	**Well**	**Sample Date**	**Conductivity uS/cm**	**DO mg/L**	**ORP mv**	**pH_Field SU**	**Field Temperature C**	**Turbidity NTU**
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	1407.58	0.52	-5.97	6.29	18.94	3.39
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	1562.56	0.1	-317.75	8.05	18.58	0.74
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	647.35	0.07	-45.29	6.23	19.03	0.56
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	3545.49	0.63	-33.53	7.48	19.31	2.46
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	523.4	0.58	-79.57	7.39	18.56	1.04

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4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix III Set								
Hydraulic Location	Well	Sample Date	Boron mg/L	Calcium mg/L	Chloride mg/L	Fluoride mg/L	pH_Field SU	Sulfate mg/L
Upgradient	GS-AP-MW-17V	08/09/2022	0.0418 J	31.4	3.09	0.245	7.55	8.13
Upgradient	GS-AP-MW-8	08/02/2022	<0.03	5.28	4.35	0.0815 J	5.78	4.18
Upgradient	MR-AP-MW-21	09/26/2022	0.0869 J	63.8	10	0.158	7.36	134
Upgradient	MR-AP-MW-22D	09/21/2022	0.157	66.9	2780	0.142	7.82	128
Upgradient	MR-AP-MW-22I	09/21/2022	0.114	2.98	96.9	0.185	8.09	23
Upgradient	MR-AP-MW-22S	09/21/2022	0.0663 J	127	127	0.124 J	6.78	169
Upgradient	MR-AP-MW-23	09/14/2022	0.714	147	2800	0.41	7.59	<0.6
Upgradient	MR-AP-MW-23A	09/14/2022	0.633	131	2570	0.393	7.43	47
Downgradient	MR-AP-MW-1	09/19/2022	0.0597 J	182	9.01	0.164	8.09	548
Downgradient	MR-AP-MW-10	09/26/2022	7.39	184	8.6	1.12	7.16	1560
Downgradient	MR-AP-MW-11	09/20/2022	0.0457 J	209	7.52	0.0923 J	6.7	678
Downgradient	MR-AP-MW-12	09/26/2022	4.96	80.7	7.51	0.989	6.71	845
Downgradient	MR-AP-MW-13DR	09/19/2022	0.0532 J	77.5	45	0.156	7.07	179
Downgradient	MR-AP-MW-13SR	09/19/2022	0.0418 J	81.4	4.02	0.407	5.65	714
Downgradient	MR-AP-MW-14R	09/26/2022	0.0756 J	37.5	7.67	0.215	6.49	48.7
Downgradient	MR-AP-MW-15	09/20/2022	1.78	84.6	17.7	<0.06	6.32	352
Downgradient	MR-AP-MW-16	09/20/2022	2.77	142	11.4	0.145	6.66	503
Downgradient	MR-AP-MW-2	09/26/2022	0.153	208	5.2	0.211	6.37	1570
Downgradient	MR-AP-MW-3D	09/19/2022	0.389	145	13.3	0.341	6.77	352
Downgradient	MR-AP-MW-3S	09/19/2022	0.272	4.9	70.9	0.304	8.73	159
Downgradient	MR-AP-MW-4	09/26/2022	0.36	180	17.3	0.22	6.05	393

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix III Set								
Hydraulic Location	Well	Sample Date	Boron mg/L	Calcium mg/L	Chloride mg/L	Fluoride mg/L	pH_Field SU	Sulfate mg/L
Downgradient	MR-AP-MW-5	09/20/2022	0.915	251	23.1	0.384	7.03	866
Downgradient	MR-AP-MW-6	09/21/2022	0.851	189	31.9	<0.06	6.08	535
Downgradient	MR-AP-MW-7DR	09/20/2022	0.767	145	61.6	<0.06	6.69	414
Downgradient	MR-AP-MW-7SR	09/20/2022	0.695	110	22.9	0.177	6.5	281
Downgradient	MR-AP-MW-9DR	09/21/2022	0.24	219	8.42	0.178	6.71	665
Downgradient	MR-AP-MW-9SR	09/21/2022	0.0905 J	149	5.58	0.0775 J	6.49	305
Downgradient	MR-AP-PZ-5	09/20/2022	0.251	6.51	22.2	2.39	8.07	34.6
Vert. Delineation	MR-AP-MW-4V	09/26/2022	0.855	297	25.3	0.347	6.75	749
Vert. Delineation	MR-AP-MW-6V	09/26/2022	0.455	109	25	0.152	7.76	240
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	0.108	37.6	7.92	0.206	6.55	78.3
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	0.257	8.78	12.1	0.213	7.21	242
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	0.161	23.8	288	1.9	7.79	225
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	0.756	247	25.8	0.289	7.26	685
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	0.4	130	32.4	<0.06	6.33	297
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	<0.03	51.4	16.5	0.0743 J	7.15	62.9
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	0.261	59	7.21	0.132	6.72	78.3
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	0.0334 J	241	90	0.12 J	6.78	721
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	0.0368 J	155	43.2	0.0929 J	7	403
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	<0.03	71.4	7.96	0.0663 J	7.2	16.5
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	0.92	280	24.1	0.193	6.29	752
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	0.12	13.3	143	0.33	8.05	158

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix III Set								
Hydraulic Location	**Well**	**Sample Date**	**Boron mg/L**	**Calcium mg/L**	**Chloride mg/L**	**Fluoride mg/L**	**pH_Field SU**	**Sulfate mg/L**
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	<0.03	71.8	2.57	0.0646 J	6.23	205
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	0.112	32.1	439	0.342	7.48	572
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	<0.03	36.6	10.8	0.178	7.39	33.8

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix IV Set										
Hydraulic Location	Well	Sample Date	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Cadmium mg/L	Chromium mg/L	Cobalt mg/L	Fluoride mg/L
Upgradient	GS-AP-MW-17V	08/09/2022	<0.000508	0.000807	0.292	<0.000406	<6.8e-005	0.000291 J	<6.8e-005	0.245
Upgradient	GS-AP-MW-8	08/02/2022	<0.000508	0.00016 J	0.0116	<0.000406	<6.8e-005	0.000629 J	0.00124	0.0815 J
Upgradient	MR-AP-MW-21	09/26/2022	<0.000508	0.00117	0.133	<0.000406	<6.8e-005	0.000247 J	8.71e-005 J	0.158
Upgradient	MR-AP-MW-22D	09/21/2022	<0.000508	0.00445	1.14	<0.000406	<6.8e-005	0.000328 J	<6.8e-005	0.142
Upgradient	MR-AP-MW-22I	09/21/2022	<0.000508	0.000184 J	0.0502	<0.000406	<6.8e-005	0.000233 J	<6.8e-005	0.185
Upgradient	MR-AP-MW-22S	09/21/2022	<0.000508	0.000564	0.0517	<0.000406	<6.8e-005	0.000228 J	<6.8e-005	0.124 J
Upgradient	MR-AP-MW-23	09/14/2022	<0.000508	0.000219	12.4	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.41
Upgradient	MR-AP-MW-23A	09/14/2022	<0.000508	0.00612	5.09	<0.000406	<6.8e-005	0.000589 J	0.000482	0.393
Downgradient	MR-AP-MW-1	09/19/2022	<0.000508	0.00247	0.199	<0.000406	<6.8e-005	0.00148	0.00108	0.164
Downgradient	MR-AP-MW-10	09/26/2022	<0.000508	0.0323	0.0169	<0.000406	9.82e-005 J	0.000436 J	0.00137	1.12
Downgradient	MR-AP-MW-11	09/20/2022	<0.000508	0.00012 J	0.0318	<0.000406	<6.8e-005	0.000272 J	7.68e-005 J	0.0923 J
Downgradient	MR-AP-MW-12	09/26/2022	<0.000508	0.00709	0.019	<0.000406	<6.8e-005	0.00215	0.00142	0.989
Downgradient	MR-AP-MW-13DR	09/19/2022	<0.000508	0.000629	0.0576	<0.000406	<6.8e-005	0.000647 J	0.00092	0.156
Downgradient	MR-AP-MW-13SR	09/19/2022	<0.000508	0.00187	0.019	0.00241	0.000378	0.000275 J	0.0931	0.407
Downgradient	MR-AP-MW-14R	09/26/2022	<0.000508	0.000183 J	0.1	<0.000406	<6.8e-005	0.000356 J	<6.8e-005	0.215
Downgradient	MR-AP-MW-15	09/20/2022	<0.000508	0.00153	0.0414	<0.000406	<6.8e-005	0.000243 J	0.0247	<0.06
Downgradient	MR-AP-MW-16	09/20/2022	<0.000508	0.0031	0.0243	<0.000406	<6.8e-005	<0.000203	0.00579	0.145
Downgradient	MR-AP-MW-2	09/26/2022	<0.000508	0.00401	0.0164	<0.000406	<6.8e-005	<0.000203	0.0522	0.211
Downgradient	MR-AP-MW-3D	09/19/2022	<0.000508	0.0128	0.0339	<0.000406	<6.8e-005	0.000333 J	0.00397	0.341
Downgradient	MR-AP-MW-3S	09/19/2022	<0.000508	0.000783	0.146	<0.000406	<6.8e-005	0.000343 J	<6.8e-005	0.304
Downgradient	MR-AP-MW-4	09/26/2022	<0.000508	0.000331	0.0165	<0.000406	<6.8e-005	0.000278 J	0.00501	0.22

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix IV Set								
Hydraulic Location	Well	Sample Date	Lead mg/L	Lithium mg/L	Mercury mg/L	Molybdenum mg/L	Selenium mg/L	Thallium mg/L
Upgradient	GS-AP-MW-17V	08/09/2022	<6.8e-005	0.0555	<0.0003	0.00298	<0.000508	<6.8e-005
Upgradient	GS-AP-MW-8	08/02/2022	8.33e-005 J	0.01 J	<0.0003	<0.000102	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-21	09/26/2022	<6.8e-005	0.0548	<0.0003	0.000416	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-22D	09/21/2022	<6.8e-005	0.373	<0.0003	0.0163	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-22I	09/21/2022	<6.8e-005	0.0542	<0.0003	0.00098	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-22S	09/21/2022	<6.8e-005	0.0648	<0.0003	0.000304	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-23	09/14/2022	<6.8e-005	0.87	<0.0003	0.000638	<0.000508	<6.8e-005
Upgradient	MR-AP-MW-23A	09/14/2022	<6.8e-005	0.774	<0.0003	0.00478	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-1	09/19/2022	<6.8e-005	0.204	<0.0003	0.00547	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-10	09/26/2022	<6.8e-005	0.267	<0.0003	0.74	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-11	09/20/2022	<6.8e-005	0.173	<0.0003	0.00148	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-12	09/26/2022	<6.8e-005	0.233	<0.0003	0.555	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-13DR	09/19/2022	<6.8e-005	0.037	<0.0003	0.0034	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-13SR	09/19/2022	0.0004	0.028	<0.0003	0.00011 J	0.000598 J	0.000159 J
Downgradient	MR-AP-MW-14R	09/26/2022	<6.8e-005	0.0204	<0.0003	<0.000102	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-15	09/20/2022	<6.8e-005	0.023	<0.0003	0.000518	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-16	09/20/2022	<6.8e-005	0.177	<0.0003	0.0863	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-2	09/26/2022	<6.8e-005	0.221	<0.0003	0.00166	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-3D	09/19/2022	<6.8e-005	0.101	<0.0003	0.0264	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-3S	09/19/2022	<6.8e-005	0.261	<0.0003	0.0506	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-4	09/26/2022	<6.8e-005	0.0674	<0.0003	0.000153 J	<0.000508	<6.8e-005

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix IV Set										
Hydraulic Location	**Well**	**Sample Date**	**Antimony mg/L**	**Arsenic mg/L**	**Barium mg/L**	**Beryllium mg/L**	**Cadmium mg/L**	**Chromium mg/L**	**Cobalt mg/L**	**Fluoride mg/L**
Downgradient	MR-AP-MW-5	09/20/2022	<0.000508	0.00931	0.0171	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.384
Downgradient	MR-AP-MW-6	09/21/2022	<0.000508	<8.1e-005	0.0217	<0.000406	<6.8e-005	0.000246 J	0.00612	<0.06
Downgradient	MR-AP-MW-7DR	09/20/2022	<0.000508	0.000694	0.0287	<0.000406	<6.8e-005	0.000282 J	<6.8e-005	<0.06
Downgradient	MR-AP-MW-7SR	09/20/2022	<0.000508	0.00182	0.0384	<0.000406	<6.8e-005	<0.000203	0.000748	0.177
Downgradient	MR-AP-MW-9DR	09/21/2022	<0.000508	0.000632	0.0208	<0.000406	<6.8e-005	0.000301 J	0.000147 J	0.178
Downgradient	MR-AP-MW-9SR	09/21/2022	<0.000508	0.000807	0.0186	<0.000406	<6.8e-005	<0.000203	0.000115 J	0.0775 J
Downgradient	MR-AP-PZ-5	09/20/2022	<0.000508	0.00031	0.222	<0.000406	<6.8e-005	<0.000203	<6.8e-005	2.39
Vert. Delineation	MR-AP-MW-4V	09/26/2022	<0.000508	0.00375	0.0186	<0.000406	<6.8e-005	0.000315 J	0.00886	0.347
Vert. Delineation	MR-AP-MW-6V	09/26/2022	<0.000508	0.00139	0.0343	<0.000406	<6.8e-005	0.000592 J	0.000852	0.152
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	<0.000508	<8.1e-005	0.196	<0.000406	<6.8e-005	<0.000203	0.0002 J	0.206
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	<0.000508	0.000182 J	0.0452	<0.000406	<6.8e-005	0.000278 J	<6.8e-005	0.213
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	<0.000508	0.00101	0.129	<0.000406	<6.8e-005	<0.000203	<6.8e-005	1.9
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	<0.000508	0.00089	0.0273	<0.000406	<6.8e-005	0.000306 J	0.001	0.289
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	<0.000508	0.000276	0.029	<0.000406	<6.8e-005	<0.000203	0.000591	<0.06
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	<0.000508	0.000147 J	0.0777	<0.000406	<6.8e-005	0.000302 J	<6.8e-005	0.0743 J
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	<0.000508	0.00201	0.055	<0.000406	<6.8e-005	<0.000203	0.000292	0.132
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	<0.000508	0.000763	0.0216	<0.000406	<6.8e-005	0.000331 J	<6.8e-005	0.12 J
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	<0.000508	0.00044	0.0376	<0.000406	<6.8e-005	0.000261 J	<6.8e-005	0.0929 J
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	<0.000508	0.00103	0.508	<0.000406	<6.8e-005	0.000373 J	0.000238	0.0663 J
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	<0.000508	0.0048	0.0341	<0.000406	<6.8e-005	0.000269 J	0.0095	0.193
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	<0.000508	0.000502	0.0558	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.33

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Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix IV Set								
Hydraulic Location	Well	Sample Date	Lead mg/L	Lithium mg/L	Mercury mg/L	Molybdenum mg/L	Selenium mg/L	Thallium mg/L
Downgradient	MR-AP-MW-5	09/20/2022	<6.8e-005	0.195	<0.0003	0.0901	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-6	09/21/2022	<6.8e-005	0.0774	<0.0003	0.00202	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-7DR	09/20/2022	<6.8e-005	0.108	<0.0003	0.00717	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-7SR	09/20/2022	<6.8e-005	0.155	<0.0003	0.0328	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-9DR	09/21/2022	<6.8e-005	0.0642	<0.0003	0.000304	<0.000508	<6.8e-005
Downgradient	MR-AP-MW-9SR	09/21/2022	<6.8e-005	0.0421	<0.0003	0.000302	<0.000508	<6.8e-005
Downgradient	MR-AP-PZ-5	09/20/2022	<6.8e-005	0.138	<0.0003	0.000184 J	<0.000508	<6.8e-005
Vert. Delineation	MR-AP-MW-4V	09/26/2022	7.41e-005 J	0.155	<0.0003	0.0278	<0.000508	<6.8e-005
Vert. Delineation	MR-AP-MW-6V	09/26/2022	0.000416	0.0938	<0.0003	0.00701	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	<6.8e-005	0.0898	<0.0003	<0.000102	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	<6.8e-005	0.154	<0.0003	0.0107	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	<6.8e-005	0.149	<0.0003	0.0168	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	<6.8e-005	0.215	<0.0003	0.0713	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	<6.8e-005	0.0512	<0.0003	0.000368	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	<6.8e-005	0.0404	<0.0003	0.000966	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	<6.8e-005	0.0506	<0.0003	0.00177	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	<6.8e-005	0.0948	<0.0003	0.00295	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	<6.8e-005	0.124	<0.0003	0.00118	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	<6.8e-005	<0.007105	<0.0003	0.00498	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	<6.8e-005	0.158	<0.0003	0.0318	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	<6.8e-005	0.14	<0.0003	0.0052	<0.000508	<6.8e-005

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
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3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurment.
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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

EPA Appendix IV Set										
Hydraulic Location	**Well**	**Sample Date**	**Antimony mg/L**	**Arsenic mg/L**	**Barium mg/L**	**Beryllium mg/L**	**Cadmium mg/L**	**Chromium mg/L**	**Cobalt mg/L**	**Fluoride mg/L**
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	<0.000508	0.0135	0.0275	<0.000406	<6.8e-005	0.00026 J	<6.8e-005	0.0646 J
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	<0.000508	0.00426	0.0366	<0.000406	<6.8e-005	0.000707 J	0.000107 J	0.342
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	0.0006 J	0.000844	0.105	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.178

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08/02/2022 - 09/27/2022

EPA Appendix IV Set								
Hydraulic Location	**Well**	**Sample Date**	**Lead mg/L**	**Lithium mg/L**	**Mercury mg/L**	**Molybdenum mg/L**	**Selenium mg/L**	**Thallium mg/L**
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	<6.8e-005	0.0284	<0.0003	0.0011	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	<6.8e-005	0.285	<0.0003	0.095	<0.000508	<6.8e-005
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	<6.8e-005	0.0586	<0.0003	<0.000102	<0.000508	<6.8e-005

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Chloride mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Aluminum mg/L	Iron Total mg/L	Potassium mg/L	Magnesium Total mg/L	Manganese Total mg/L
Upgradient	GS-AP-MW-17V	08/09/2022	3.09	<0.2	8.13	0.00763 J	1.08	2.21	12.5	0.0299
Upgradient	GS-AP-MW-8	08/02/2022	4.35	<0.2	4.18	0.0632	0.342	0.808	8.33	0.15
Upgradient	MR-AP-MW-21	09/26/2022	10	<0.2	134	0.0128	0.334	3.09	16.7	0.0714
Upgradient	MR-AP-MW-22D	09/21/2022	2780	0.238 J	128	0.00907 J	0.104	21	22.1	0.0615
Upgradient	MR-AP-MW-22I	09/21/2022	96.9	0.597	23	0.0613	0.0381 J	2.87	0.887	0.00665
Upgradient	MR-AP-MW-22S	09/21/2022	127	<0.2	169	<0.00609	1.63	1.78	58.2	0.21
Upgradient	MR-AP-MW-23	09/14/2022	2800	<0.2	<0.6	0.01 J	1.37	5.79	51.4	0.0873
Upgradient	MR-AP-MW-23A	09/14/2022	2570	<0.2	47	<0.00609	0.658	7.68	46.7	0.0953
Downgradient	MR-AP-MW-1	09/19/2022	9.01	<0.2	548	<0.00609	13	6.5	34.4	0.302
Downgradient	MR-AP-MW-10	09/26/2022	8.6	<0.2	1560	<0.00609	2.61	11.3	95.1	1.07
Downgradient	MR-AP-MW-11	09/20/2022	7.52	<0.2	678	<0.00609	5.77	7.35	96.8	0.11
Downgradient	MR-AP-MW-12	09/26/2022	7.51	0.22 J	845	0.0122	1.45	10.7	51.1	0.49
Downgradient	MR-AP-MW-13DR	09/19/2022	45	0.618	179	<0.00609	0.277	4	31.1	0.106
Downgradient	MR-AP-MW-13SR	09/19/2022	4.02	<0.2	714	0.377	15.9	4.12	159	2.59
Downgradient	MR-AP-MW-14R	09/26/2022	7.67	<0.2	48.7	0.0294	3.9	1.02	16.1	0.176
Downgradient	MR-AP-MW-15	09/20/2022	17.7	<0.2	352	<0.00609	21.1	3.63	23.4	2.07
Downgradient	MR-AP-MW-16	09/20/2022	11.4	<0.2	503	<0.00609	1.59	13.1	19.9	1.2
Downgradient	MR-AP-MW-2	09/26/2022	5.2	0.388	1570	0.0115	203	4.35	136	3.5
Downgradient	MR-AP-MW-3D	09/19/2022	13.3	<0.2	352	0.008 J	2.98	5.55	30.3	1.16
Downgradient	MR-AP-MW-3S	09/19/2022	70.9	<0.2	159	0.0178	0.0182 J	3.73	1.78	0.00475

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
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08/02/2022 - 09/27/2022

General Chemistry and MNA Parameters

Hydraulic Location	Well	Sample Date	Sodium mg/L	Silica mg/L	Silicon mg/L	Carbon, Total Organic mg/L	Alkalinity Total as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Sulfide mg/L
Upgradient	GS-AP-MW-17V	08/09/2022	101	23.3	10.9	<1	309	3.15	306	0
Upgradient	GS-AP-MW-8	08/02/2022	11.4	38.7	18.1	2.82	61.1	NC	60.8	0
Upgradient	MR-AP-MW-21	09/26/2022	106	17.5	8.16	<1	242	2.1	240	1
Upgradient	MR-AP-MW-22D	09/21/2022	1680	9.74	4.55	<1	118	2.17	116	0
Upgradient	MR-AP-MW-22I	09/21/2022	228	10.3	4.83	<1	258	11.9	246	0
Upgradient	MR-AP-MW-22S	09/21/2022	102	28.2	13.2	<1	239	0.646	238	0
Upgradient	MR-AP-MW-23	09/14/2022	1900	16.1	7.51	<1	304	1.64	302	0
Upgradient	MR-AP-MW-23A	09/14/2022	1700	15.1	7.07	<1	256	1.17	255	0
Downgradient	MR-AP-MW-1	09/19/2022	162	14.7	6.85	1.36 J	254	1.14	253	0
Downgradient	MR-AP-MW-10	09/26/2022	771	15.1	7.04	1.52 J	146	0.433	146	0
Downgradient	MR-AP-MW-11	09/20/2022	74.1	15	7.01	2.23	196	NC	196	0
Downgradient	MR-AP-MW-12	09/26/2022	499	14.1	6.59	2.85	307	0.417	307	0
Downgradient	MR-AP-MW-13DR	09/19/2022	86.1	21.6	10.1	<1	190	NC	190	0
Downgradient	MR-AP-MW-13SR	09/19/2022	25.1	19.3	9.03	1.8 J	34.7	NC	34.7	0
Downgradient	MR-AP-MW-14R	09/26/2022	11.9	31	14.5	<1	126	0.277	126	0
Downgradient	MR-AP-MW-15	09/20/2022	79	30.6	14.3	<1	44.9	NC	44.9	0
Downgradient	MR-AP-MW-16	09/20/2022	83.8	6.53	3.05	1.51 J	58.3	NC	58.2	0
Downgradient	MR-AP-MW-2	09/26/2022	120	19.9	9.32	2.08	4.7	0.00014	4.7	0
Downgradient	MR-AP-MW-3D	09/19/2022	91	12.4	5.78	2.08	205	NC	205	0
Downgradient	MR-AP-MW-3S	09/19/2022	287	10.1	4.74	2.58	260	17.3	242	0

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General Chemistry and MNA Parameters			
Hydraulic Location	**Well**	**Sample Date**	**Calcium mg/L**
Upgradient	GS-AP-MW-17V	08/09/2022	31.4
Upgradient	GS-AP-MW-8	08/02/2022	5.28
Upgradient	MR-AP-MW-21	09/26/2022	63.8
Upgradient	MR-AP-MW-22D	09/21/2022	66.9
Upgradient	MR-AP-MW-22I	09/21/2022	2.98
Upgradient	MR-AP-MW-22S	09/21/2022	127
Upgradient	MR-AP-MW-23	09/14/2022	147
Upgradient	MR-AP-MW-23A	09/14/2022	131
Downgradient	MR-AP-MW-1	09/19/2022	182
Downgradient	MR-AP-MW-10	09/26/2022	184
Downgradient	MR-AP-MW-11	09/20/2022	209
Downgradient	MR-AP-MW-12	09/26/2022	80.7
Downgradient	MR-AP-MW-13DR	09/19/2022	77.5
Downgradient	MR-AP-MW-13SR	09/19/2022	81.4
Downgradient	MR-AP-MW-14R	09/26/2022	37.5
Downgradient	MR-AP-MW-15	09/20/2022	84.6
Downgradient	MR-AP-MW-16	09/20/2022	142
Downgradient	MR-AP-MW-2	09/26/2022	208
Downgradient	MR-AP-MW-3D	09/19/2022	145
Downgradient	MR-AP-MW-3S	09/19/2022	4.9

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Hydraulic Location	Well	Sample Date	Chloride mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Aluminum mg/L	Iron Total mg/L	Potassium mg/L	Magnesium Total mg/L	Manganese Total mg/L
Downgradient	MR-AP-MW-4	09/26/2022	17.3	<0.2	393	0.0214	0.618	7.18	27.5	2.41
Downgradient	MR-AP-MW-5	09/20/2022	23.1	<0.2	866	<0.00609	4.6	9.37	34.1	1.76
Downgradient	MR-AP-MW-6	09/21/2022	31.9	<0.2	535	<0.00609	35.9	5.9	30.7	5.81
Downgradient	MR-AP-MW-7DR	09/20/2022	61.6	<0.2	414	<0.00609	2.17	3.08	39	1.07
Downgradient	MR-AP-MW-7SR	09/20/2022	22.9	<0.2	281	<0.00609	8.34	3.04	39	1.3
Downgradient	MR-AP-MW-9DR	09/21/2022	8.42	0.236 J	665	<0.00609	30	2.29	130	1.55
Downgradient	MR-AP-MW-9SR	09/21/2022	5.58	<0.2	305	<0.00609	6.68	1.91	77.8	0.541
Downgradient	MR-AP-PZ-5	09/20/2022	22.2	<0.2	34.6	0.037	<0.00812	2.38	2.39	0.0098
Vert. Delineation	MR-AP-MW-4V	09/26/2022	25.3	<0.2	749	0.0503	2.6	8.55	51.2	2.35
Vert. Delineation	MR-AP-MW-6V	09/26/2022	25	0.233 J	240	0.21	0.937	2.41	27.4	0.528
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	7.92	<0.2	78.3	0.0161	1.16	1.24	15	0.0738
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	12.1	<0.2	242	0.0197	0.444	1.43	3.89	0.041
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	288	<0.2	225	0.00663 J	0.0228 J	11.3	8.26	0.0266
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	25.8	<0.2	685	0.0281	6.1	4.85	52.2	1.17
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	32.4	<0.2	297	<0.00609	8.94	1.34	29.3	0.394
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	16.5	<0.2	62.9	0.0091 J	0.49	2.41	15.1	0.0226
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	7.21	<0.2	78.3	0.00798 J	1.86	1.82	24.2	0.0729
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	90	<0.2	721	0.00613 J	1.59	13.9	106	0.121
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	43.2	<0.2	403	<0.00609	0.789	5.69	60.3	0.053
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	7.96	0.229 J	16.5	<0.00609	0.316	1.5	11.6	0.0184

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Table 7. Second Semi-Annual Monitoring Event

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General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sodium mg/L	Silica mg/L	Silicon mg/L	Carbon, Total Organic mg/L	Alkalinity Total as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Sulfide mg/L
Downgradient	MR-AP-MW-4	09/26/2022	25	12.7	5.92	1.27 J	92.4	0.114	92.3	0
Downgradient	MR-AP-MW-5	09/20/2022	95.7	8.22	3.84	1.76 J	78.3	NC	78.1	0
Downgradient	MR-AP-MW-6	09/21/2022	58.9	14.5	6.77	1.28 J	39.9	NC	39.9	0
Downgradient	MR-AP-MW-7DR	09/20/2022	90.3	14.4	6.72	1.92 J	151	NC	151	0
Downgradient	MR-AP-MW-7SR	09/20/2022	62.2	21.8	10.2	2	179	NC	179	0
Downgradient	MR-AP-MW-9DR	09/21/2022	57.3	28.5	13.3	<1	161	NC	161	0
Downgradient	MR-AP-MW-9SR	09/21/2022	31.4	24.8	11.6	<1	218	NC	218	0
Downgradient	MR-AP-PZ-5	09/20/2022	357	9.33	4.36	2.47	621	14.6	606	9
Vert. Delineation	MR-AP-MW-4V	09/26/2022	76	9.67	4.52	1.53 J	90.7	0.219	90.5	0
Vert. Delineation	MR-AP-MW-6V	09/26/2022	74.4	17.2	8.03	1.49 J	199	3.06	196	0
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	149	25.5	11.9	1.15 J	337	0.999	336	0
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	296	10.2	4.75	1.75 J	257	1.66	255	0
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	610	13.4	6.28	7.63	576	9.05	567	8
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	127	9.84	4.6	1.75 J	96.9	NC	96.6	0
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	52.2	29.3	13.7	1.07 J	72.3	NC	72.2	0
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	44.7	28.5	13.3	<1	177	0.869	176	0
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	33.3	37.4	17.5	<1	200	NC	200	0
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	143	21.6	10.1	2.87	234	0.551	233	0
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	115	20.7	9.65	1.51 J	258	0.608	257	0
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	19.1	21.3	9.94	<1	202	1.34	201	0

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
2. "<" indicates the result was not detected above the MDL and is considered a non-detect.
3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurment.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Southern Company

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

General Chemistry and MNA Parameters			
Hydraulic Location	**Well**	**Sample Date**	**Calcium mg/L**
Downgradient	MR-AP-MW-4	09/26/2022	180
Downgradient	MR-AP-MW-5	09/20/2022	251
Downgradient	MR-AP-MW-6	09/21/2022	189
Downgradient	MR-AP-MW-7DR	09/20/2022	145
Downgradient	MR-AP-MW-7SR	09/20/2022	110
Downgradient	MR-AP-MW-9DR	09/21/2022	219
Downgradient	MR-AP-MW-9SR	09/21/2022	149
Downgradient	MR-AP-PZ-5	09/20/2022	6.51
Vert. Delineation	MR-AP-MW-4V	09/26/2022	297
Vert. Delineation	MR-AP-MW-6V	09/26/2022	109
Horiz. Delineation	MR-AP-MW-17H	09/14/2022	37.6
Horiz. Delineation	MR-AP-MW-18H	09/21/2022	8.78
Horiz. Delineation	MR-AP-MW-19HA	09/14/2022	23.8
Horiz. Delineation	MR-AP-MW-20H	09/21/2022	247
Horiz. Delineation	MR-AP-MW-20HS	09/21/2022	130
Horiz. Delineation	MR-AP-MW-27HR	09/21/2022	51.4
Horiz. Delineation	MR-AP-MW-28H	09/20/2022	59
Horiz. Delineation	MR-AP-MW-30H	09/19/2022	241
Horiz. Delineation	MR-AP-MW-31H	09/20/2022	155
Horiz. Delineation	MR-AP-MW-32H	09/21/2022	71.4

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
2. "<" indicates the result was not detected above the MDL and is considered a non-detect.
3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurment.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Chloride mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Aluminum mg/L	Iron Total mg/L	Potassium mg/L	Magnesium Total mg/L	Manganese Total mg/L
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	24.1	<0.2	752	0.00768 J	1.82	11.5	38.2	3.65
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	143	<0.2	158	0.00729 J	0.0291 J	5.87	4.15	0.0191
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	2.57	<0.2	205	<0.00609	3.53	1.34	36	0.262
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	439	<0.2	572	<0.00609	0.43	22.3	11.9	0.0453
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	10.8	<0.2	33.8	<0.00609	0.405	2.05	12.6	0.0127

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
2. "<" indicates the result was not detected above the MDL and is considered a non-detect.
3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurment.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sodium mg/L	Silica mg/L	Silicon mg/L	Carbon, Total Organic mg/L	Alkalinity Total as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Sulfide mg/L
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	65	9.37	4.38	1.86 J	66.1	NC	66	0
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	397	15.4	7.18	12.9	458	7.7	450	6
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	25.2	35.3	16.5	<1	137	NC	137	0
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	794	12.2	5.71	1.28 J	247	1.52	245	0
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	72	24.4	11.4	1.02 J	229	2.04	227	0

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
2. "<" indicates the result was not detected above the MDL and is considered a non-detect.
3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurment.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Miller Ash Pond
08/02/2022 - 09/27/2022

General Chemistry and MNA Parameters			
Hydraulic Location	**Well**	**Sample Date**	**Calcium mg/L**
Horiz. Delineation	MR-AP-MW-33H	09/20/2022	280
Horiz. Delineation	MR-AP-MW-34H	09/19/2022	13.3
Horiz. Delineation	MR-AP-MW-35H	09/19/2022	71.8
Horiz. Delineation	MR-AP-MW-36HR	09/14/2022	32.1
Horiz. Delineation	MR-AP-MW-37H	09/27/2022	36.6

Notes:
1. "J" indicates the result was detected above the MDL but below the PQL
2. "<" indicates the result was not detected above the MDL and is considered a non-detect.
3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurment.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
5. mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocurries per liter.
6. NC = value not detected with alkalinity calculation

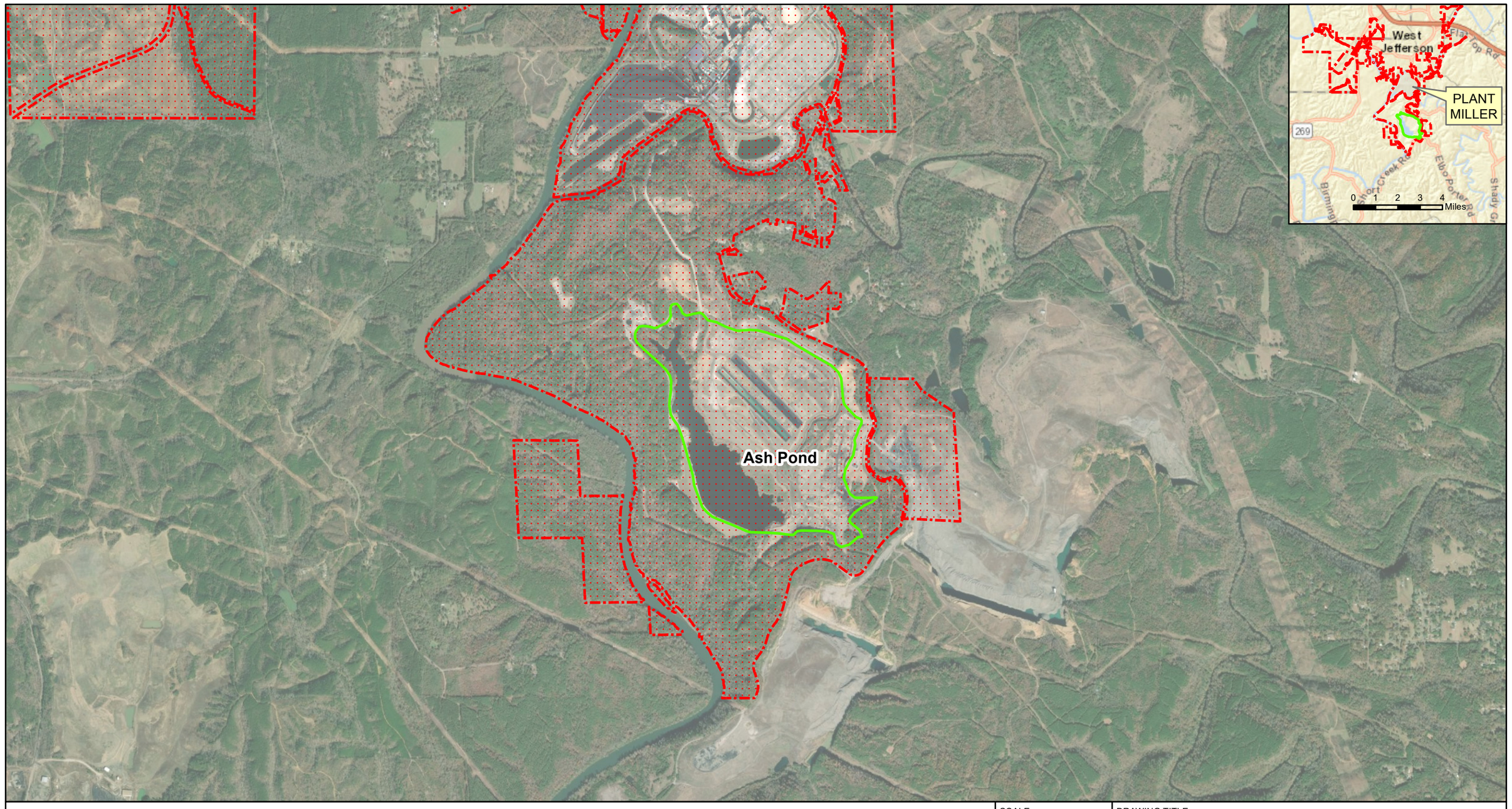
Southern Company

Table 8.
Pottsville Background - Lithium and Boron Concentrations

Well Name	Facility	Pottsville Coal Group ID	Lithium Concentrations	Boron Concentrations	Well Depth (ft.) Below Top of Casing
MR-AP-MW-21	Miller AP	Mary Lee (Lower)	0.0252 - 0.0493	0.0619 - 0.1010	183.64
MR-AP-MW-22S	Miller AP	Mary Lee (Lower)	0.0694 - 0.1720	0.0628 - 0.1340	50.00
MR-AP-MW-22I	Miller AP	Mary Lee (Lower)	0.0728 - 0.1410	0.1350 - 0.1730	141.40
MR-AP-MW-22D	Miller AP	Mary Lee (Lower)	0.3440 - 0.4060	0.1490 - 0.1700	203.20
MR-AP-MW-23	Miller AP	Mary Lee (Lower)	1.05 - 1.20	0.7560 - 0.7990	67.57
MR-AP-MW-23A	Miller AP	Mary Lee (Lower)	1.05 - 1.17	0.6940 - 0.7060	68.10
GS-AP-MW-8	Gorgas AP	Pratt (Upper)	ND - 0.008	ND - 0.0239	64.59
GS-AP-MW-13	Gorgas AP	Pratt (Upper)	ND - 0.0118	ND	113.17
GS-AP-MW-16S	Gorgas AP	Pratt (Upper)	0.0740 - 0.1030	0.0762 - 0.0777	133.38
GS-AP-MW-17V	Gorgas AP	Cobb to Pratt Transition	0.0574 - 0.0809	0.0337 - 0.0532	151.4
MW-1	Gorgas Landfills	Pratt + Mine Backfill	0.0241 - 0.0301	ND - 0.0307	104.59
MW-2	Gorgas Landfills	Pratt + Mine Backfill	0.0353 - 0.0677	ND - 0.0371	91.04
MW-3	Gorgas Landfills	Pratt + Mine Backfill	0.0689 - 0.419	ND - 0.0548	115.33
MW-4	Gorgas Landfills	Pratt + Mine Backfill	0.0446 - 0.0558	ND - 0.0526	126.67

1. Concentrations presented in mg/L
2. ND - Not detected above Method Detection Limit (MDL)
3. Top of screen and bottom of screen depths are calculated relative to Top of Casing elevation and less the well sump length of 0.4’or 0.5'.
4. Data updated April 2021

Figures



Legend

- Ash Pond Boundary
- Property Boundary (Approximate)

N

0 1,000 2,000 4,000 6,000 8,000 Feet

SCALE	1:24000
DATE	12/16/2020
DRAWN BY	KWR
CHECKED BY	GBD

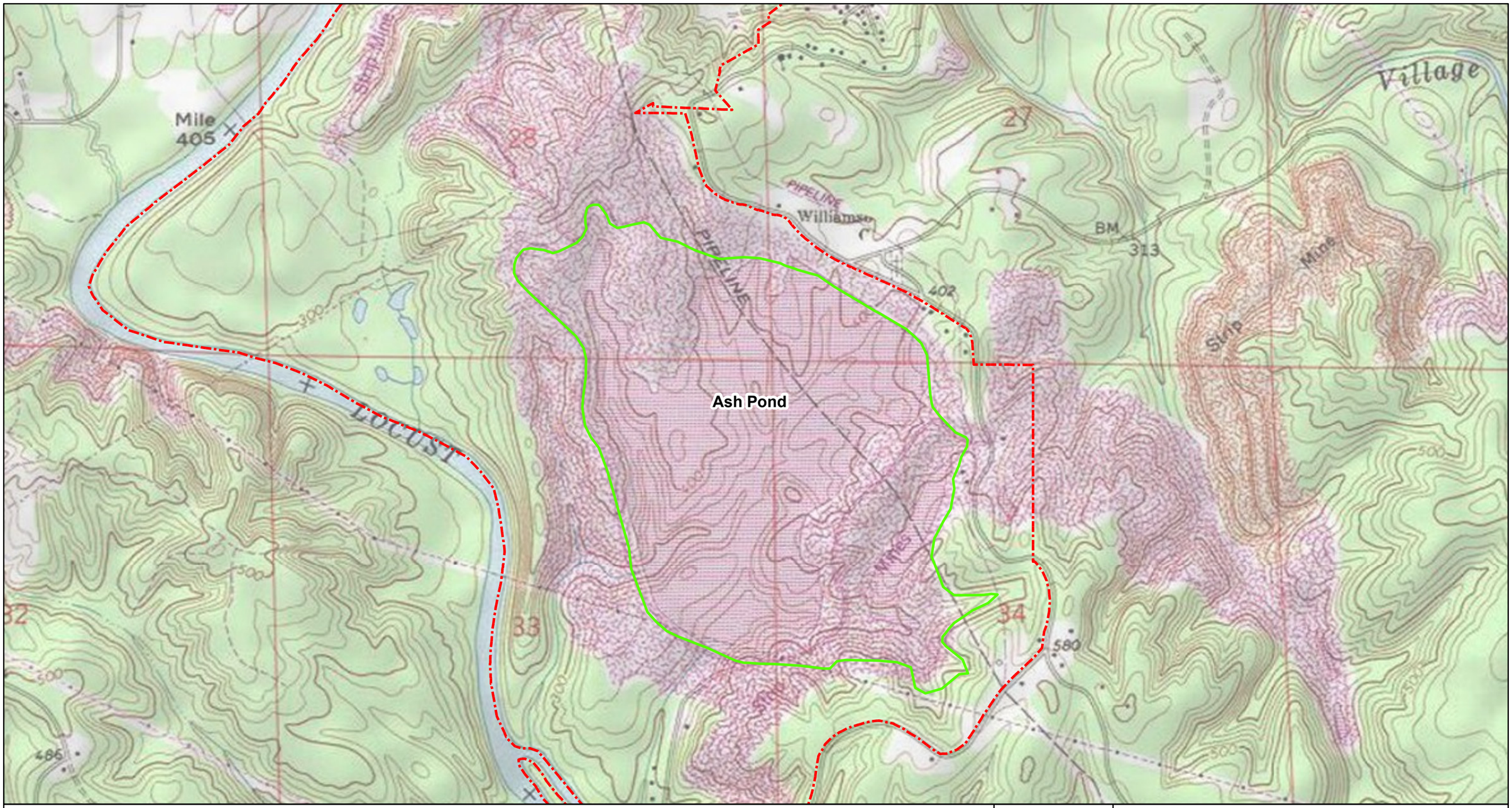
DRAWING TITLE

SITE LOCATION MAP
PLANT MILLER ASH POND

FIGURE NO

FIGURE 1

Southern Company



Legend

- Property Boundary (Approximate)
- Ash Pond Boundary

N

0 1,000 2,000 4,000 Feet

SCALE	1:12000
DATE	6/19/2020
DRAWN BY	KAR
CHECKED BY	GBD

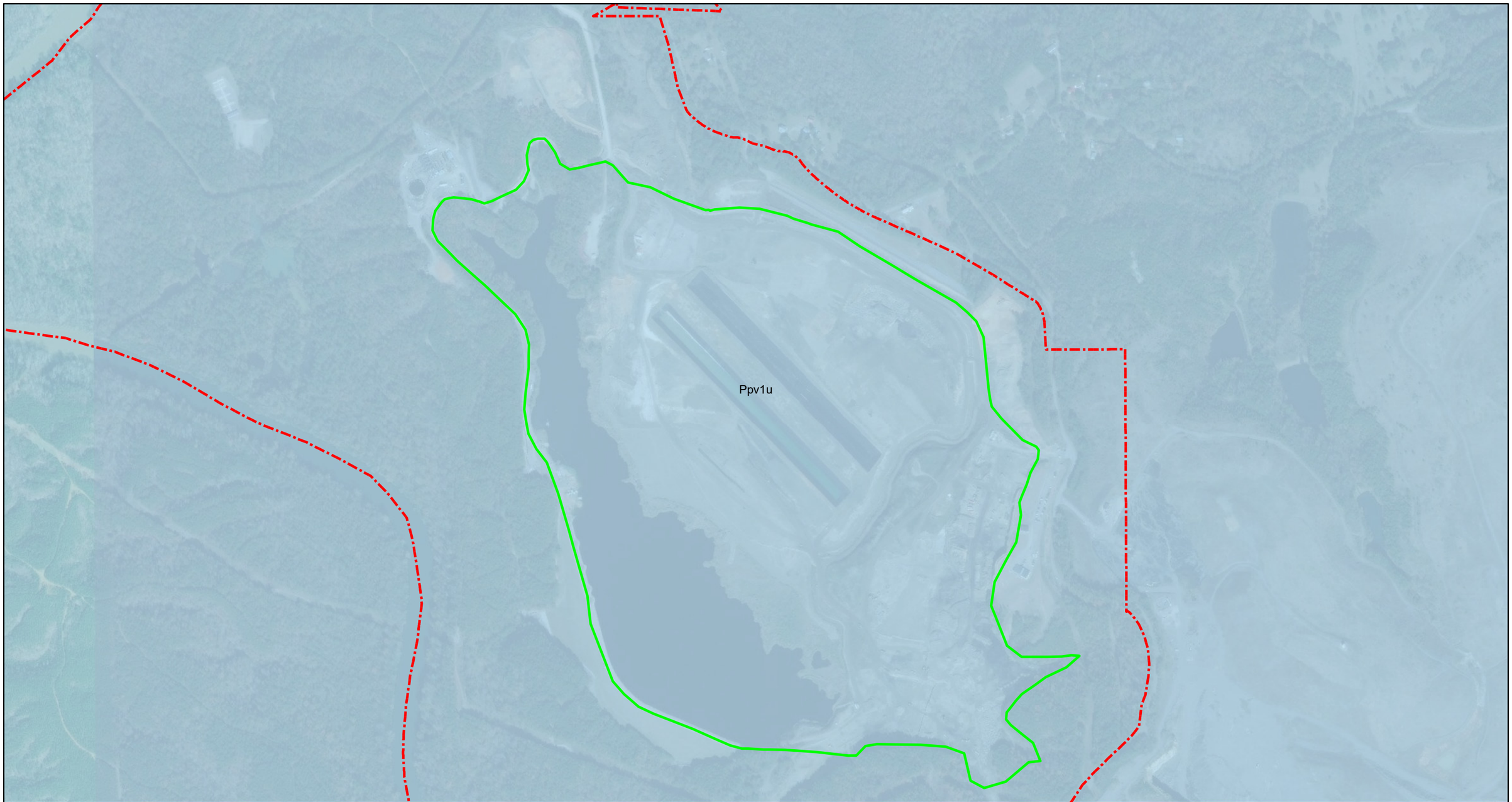
DRAWING TITLE

SITE TOPOGRAPHIC MAP
PLANT MILLER ASH POND

FIGURE NO

FIGURE 2

Southern Company



Legend

Ash Pond Boundary

Property Boundary (Approximate)

Geologic Units

Pottsville Formation (upper part), Appalachian Plateaus (Ppv1u)

N

0 750 1,500 3,000 Feet

SCALE	1:9000
DATE	6/19/2020
DRAWN BY	KAR
CHECKED BY	GBD

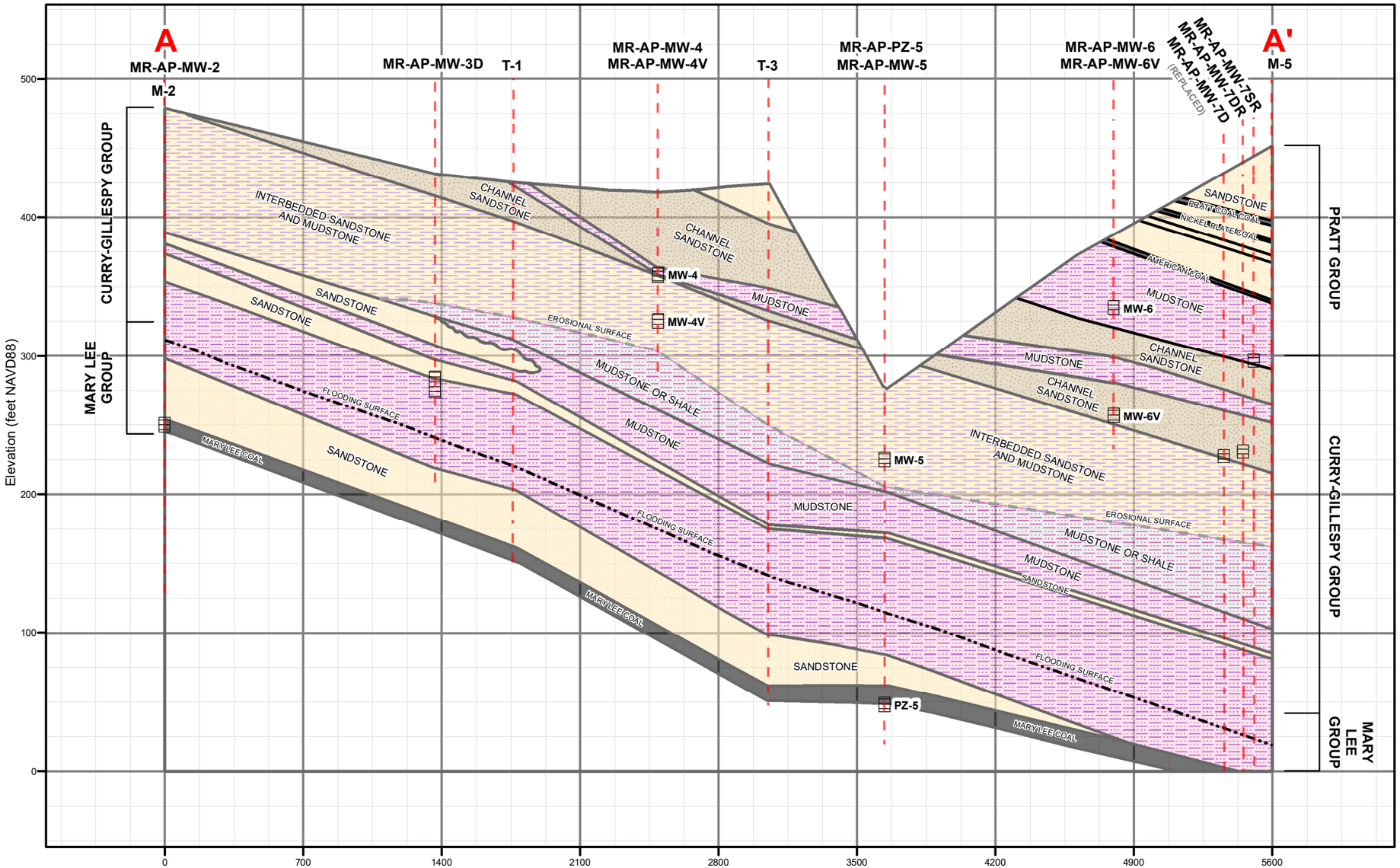
DRAWING TITLE

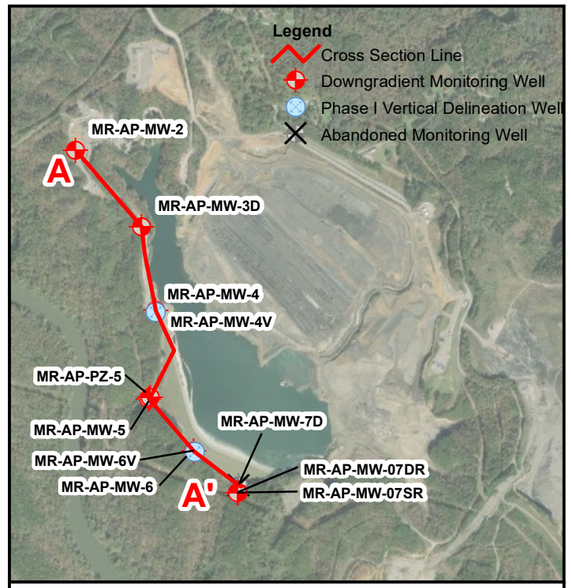
SITE GEOLOGIC MAP
PLANT MILLER ASH POND

FIGURE NO

FIGURE 3

Southern Company





Notes: 1. Stratagraphic layers were correlated using a combination of boring data and gamma logs.
2. Pratt Group Strata are projected onto this cross section.
3. NAVD88 indicates North American Vertical Datum of 1988.

Legend

- Monitoring Well Location
- Screen Interval
- Strata Boundary
- Flooding Surface
- Erosional Surface

Geologic Units

- Mudstone or Shale
- Mudstone
- Interbedded Mudstone and Sandstone
- Channel Sandstone
- Sandstone
- Coal

SCALE	As Shown
DATE	8/1/2021
DRAWN BY	KWR
CHECKED BY	GBD

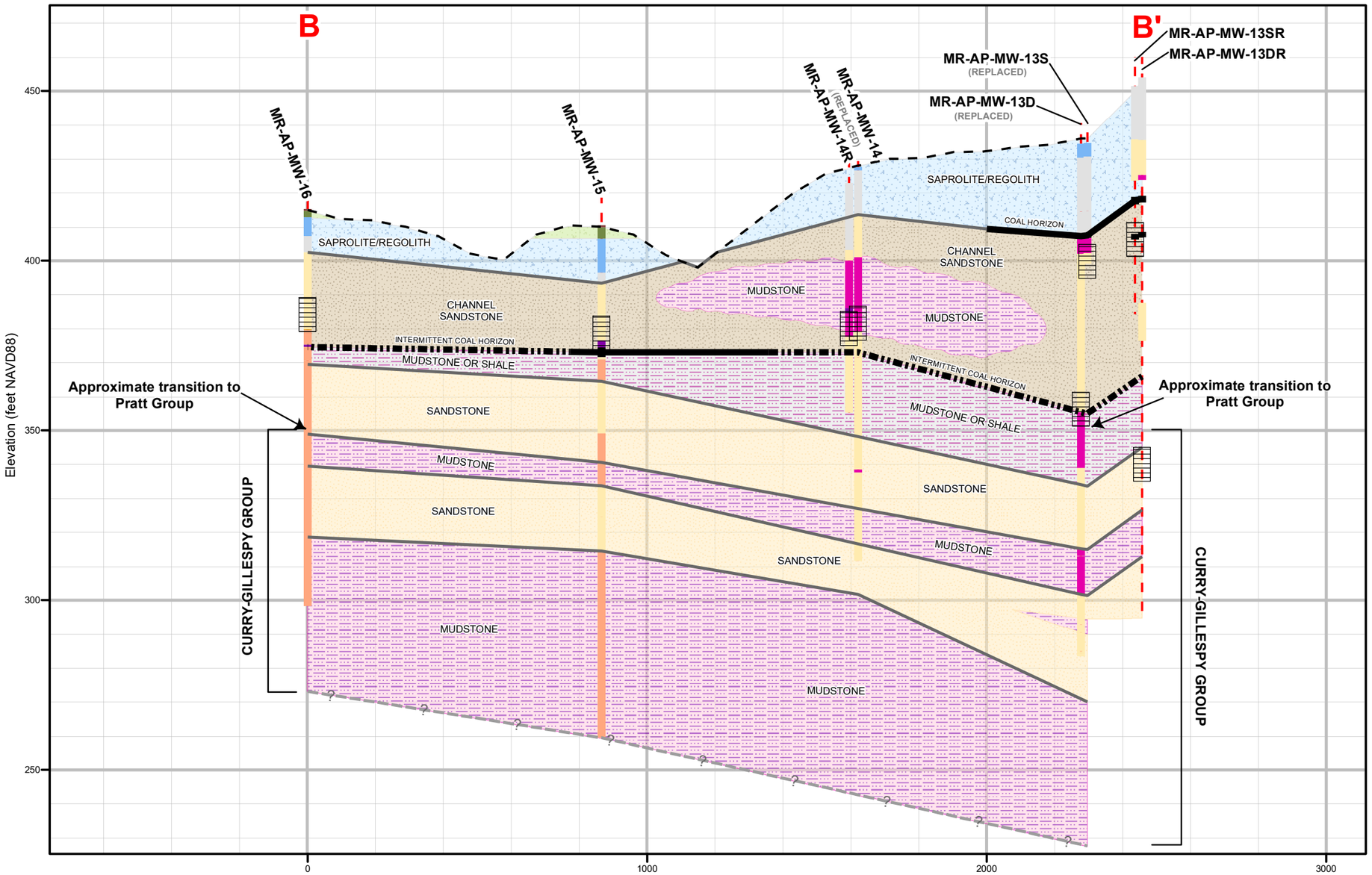
DRAWING TITLE

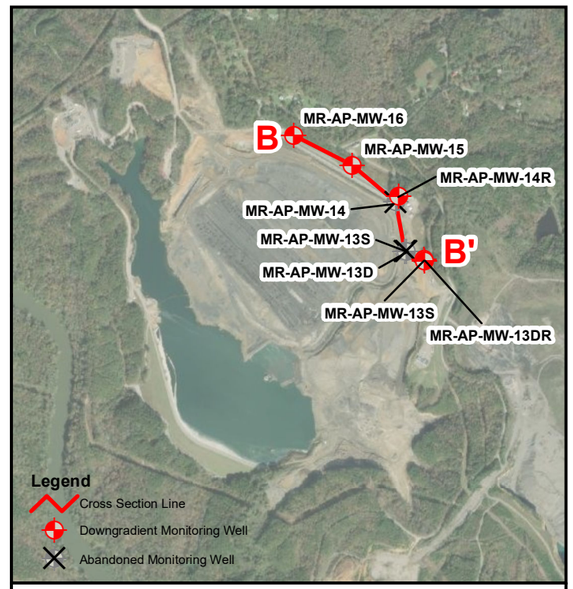
GEOLOGIC CROSS SECTION A - A'
PLANT MILLER ASH POND

FIGURE NO

FIGURE 4A

Southern Company





Notes: 1. Stratagraphic layers were correlated using a combination of boring data and gamma logs.
2. Source of ground surface elevation data: Lidar
3. NAVD88 indicates North American Vertical Datum of 1988.

Legend

- Ground Surface Elevation
- Screen Interval
- Inferred Strata Boundary
- Strata Boundary
- Intermittent Coal
- Coal

Borehole Descriptions

- Coal
- Organic Silt
- Data unavailable
- Saprolite/Regolith
- Clayey Silt
- Sand
- Gravel and Sand
- Mudstone
- Shale
- Sandstone
- Interbedded Mudstone and Sandstone
- Sandstone with Thin Coal Beds
- Coal lense

Geologic Units

- Topsoil
- Saprolite/Regolith
- Mudstone or Shale
- Mudstone
- Channel Sandstone
- Sandstone
- Coal

SCALE	As Shown
DATE	7/26/2021
DRAWN BY	KWR
CHECKED BY	GBD

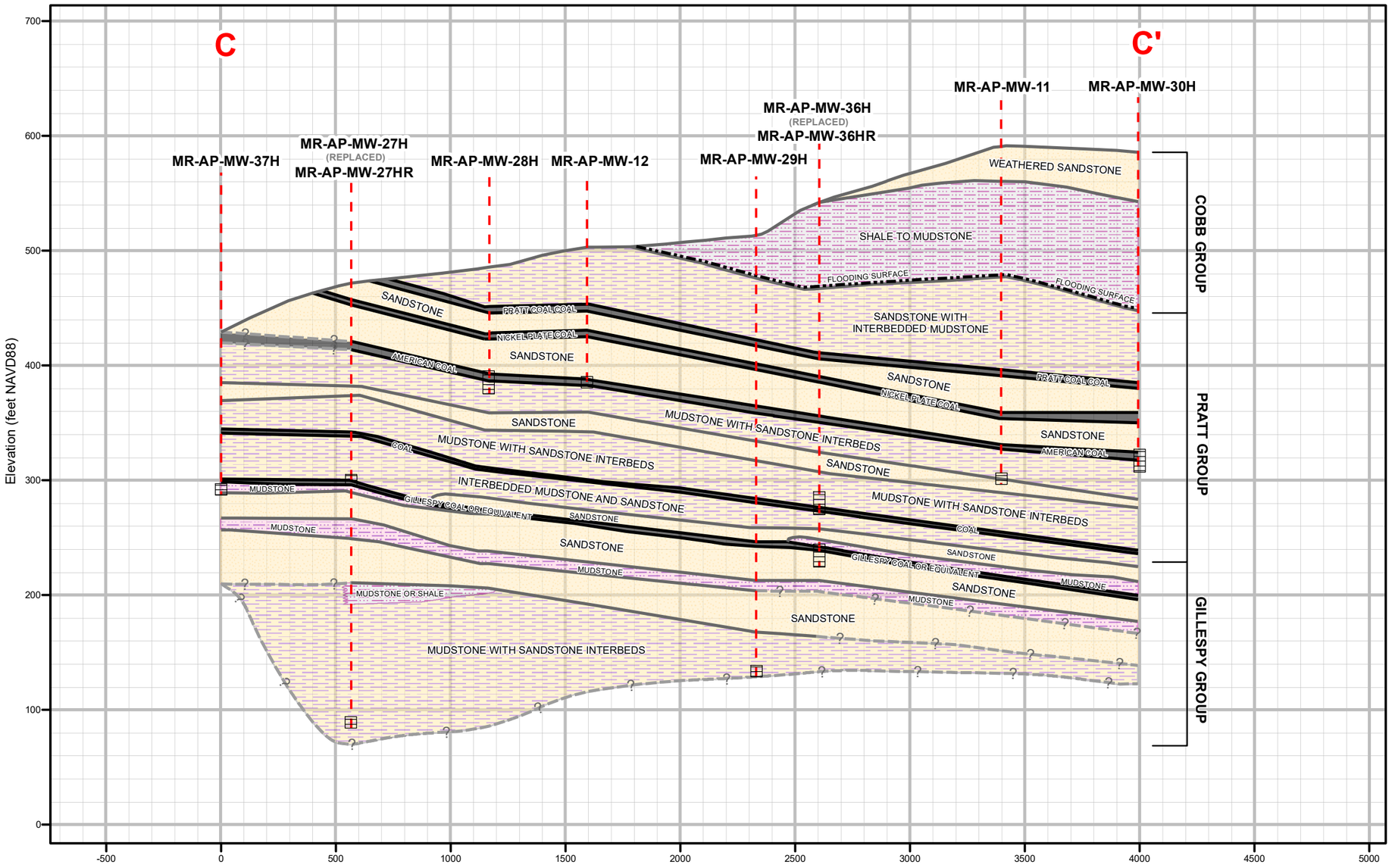
DRAWING TITLE

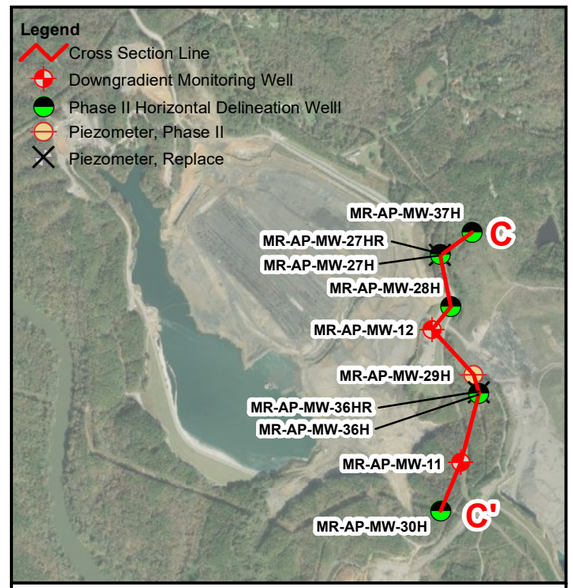
GEOLOGIC CROSS SECTION B - B'
PLANT MILLER ASH POND

FIGURE NO

FIGURE 4B

Southern Company





Notes: 1. Stratagraphic layers were correlated using a combination of boring data and gamma logs.
2. Approximate Groundwater Elevation data are reported using North American Vertical Datum of 1988 (NAVD88).

Legend

- Screen Interval
- Monitoring Well Location
- Strata Boundary
- Flooding Surface
- Inferred Strata Boundary
- Coal

Geologic Units

- Mudstone or Shale
- Mudstone
- Interbedded Mudstone and Sandstone
- Sandstone
- Coal

SCALE	As Shown
DATE	7/26/2021
DRAWN BY	KWR
CHECKED BY	GBD

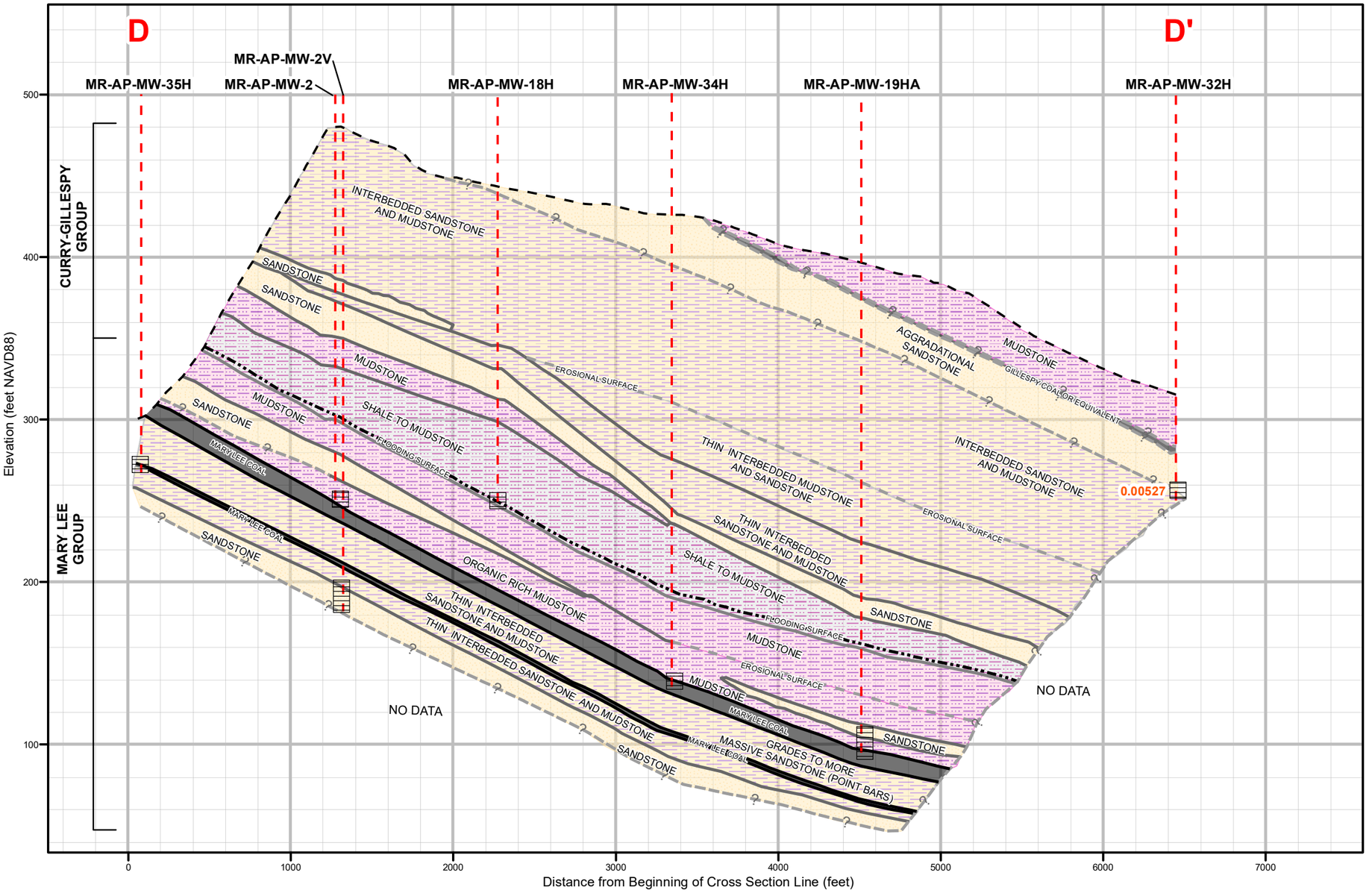
DRAWING TITLE

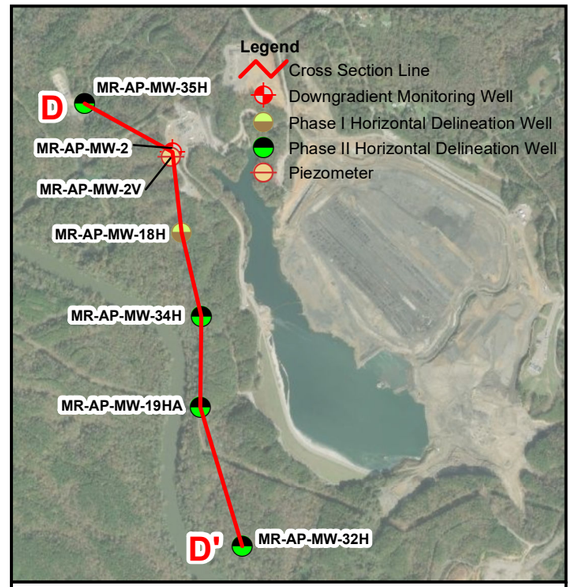
GEOLOGIC CROSS SECTION C - C'
PLANT MILLER ASH POND

FIGURE NO

FIGURE 4C

Southern Company





Notes: 1. Stratagraphic layers were correlated using a combination of boring data and gamma logs.
2. NAVD88 indicatesNorth American Vertical Datum of 1988.

Legend

- Screen Interval
- Monitoring Well Location
- Coal
- Group Boundary
- Ground Surface Elevation
- Inferred Strata Boundary
- Strata Boundary
- Flooding Surface
- Erosional Surface

Geologic Units

- Shale to Mudstone
- Mudstone
- Interbedded Mudstone and Sandstone
- Sandstone
- Coal

SCALE	As Shown
DATE	7/26/2021
DRAWN BY	MDM
CHECKED BY	GBD

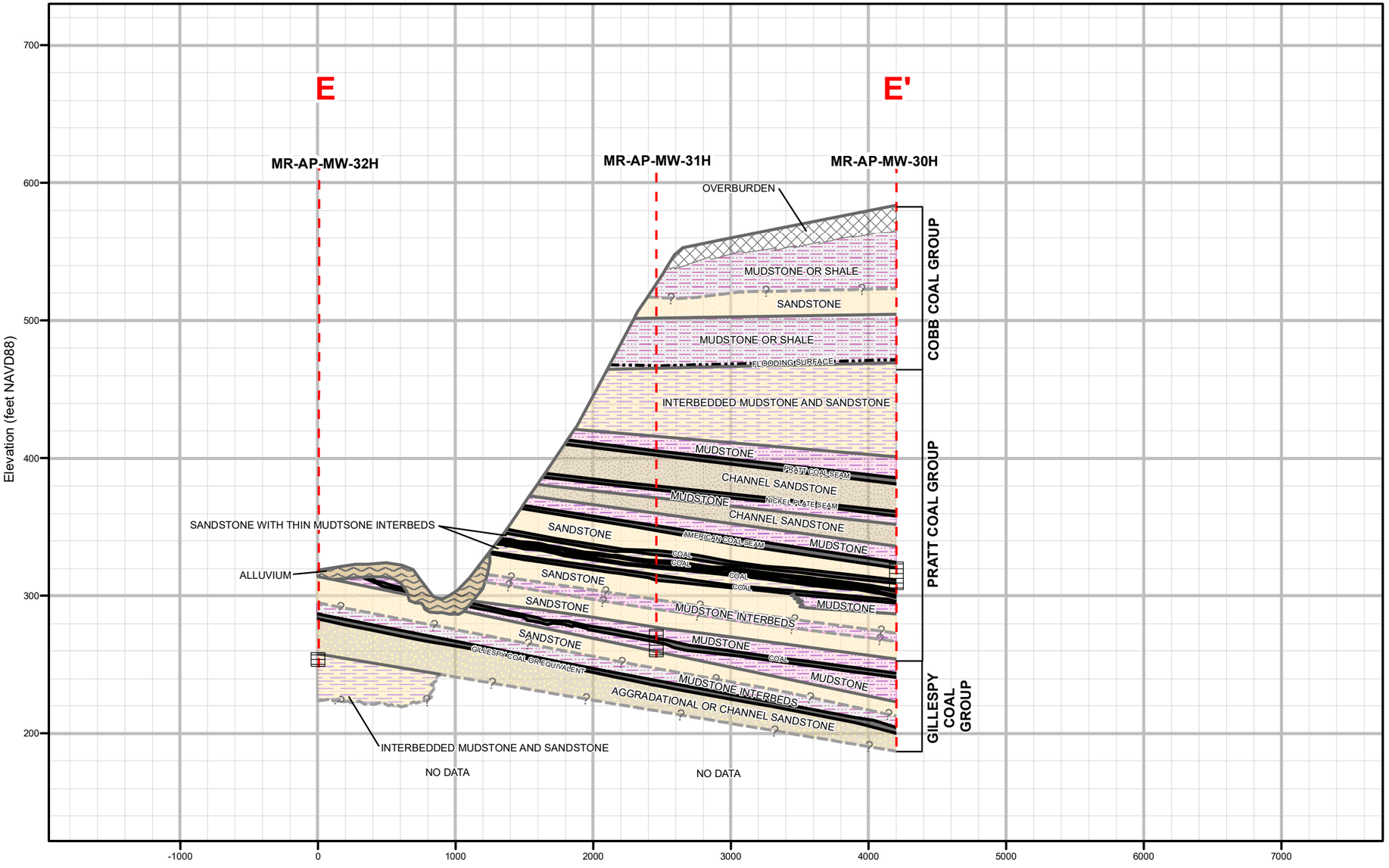
DRAWING TITLE

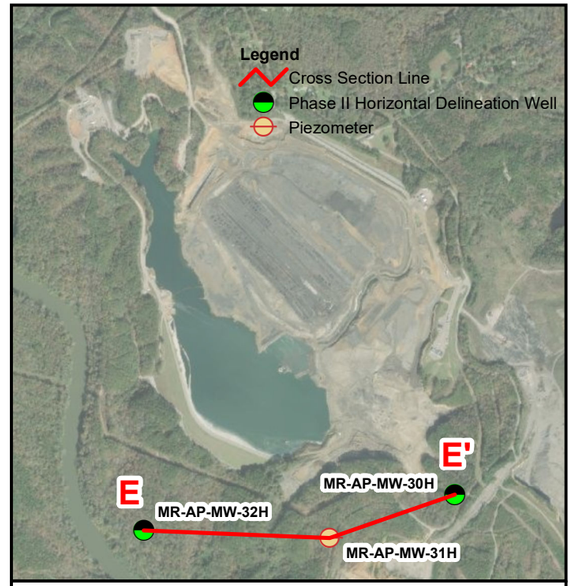
GEOLOGIC CROSS SECTION D - D'
PLANT MILLER ASH POND

FIGURE NO

FIGURE 4D

Southern Company





Notes: 1. Stratagraphic layers were correlated using a combination of boring data and gamma logs.
2. NAVD88 indicates North American Vertical Datum of 1988.
3. Approximately 260 feet down to Mary Lee

Legend

- Screen Interval
- Monitoring Well Location
- Inferred Strata Boundary
- Strata Boundary
- Flooding Surface
- Erosional Surface
- Coal

Geological Units

- Alluvium
- Overburden
- Mudstone or Shale
- Mudstone
- Interbedded Mudstone and Sandstone
- Channel Sandstone
- Aggradational or Channel Sandstone
- Sandstone
- Coal

SCALE	As Shown
DATE	7/26/2021
DRAWN BY	JEM
CHECKED BY	GBD

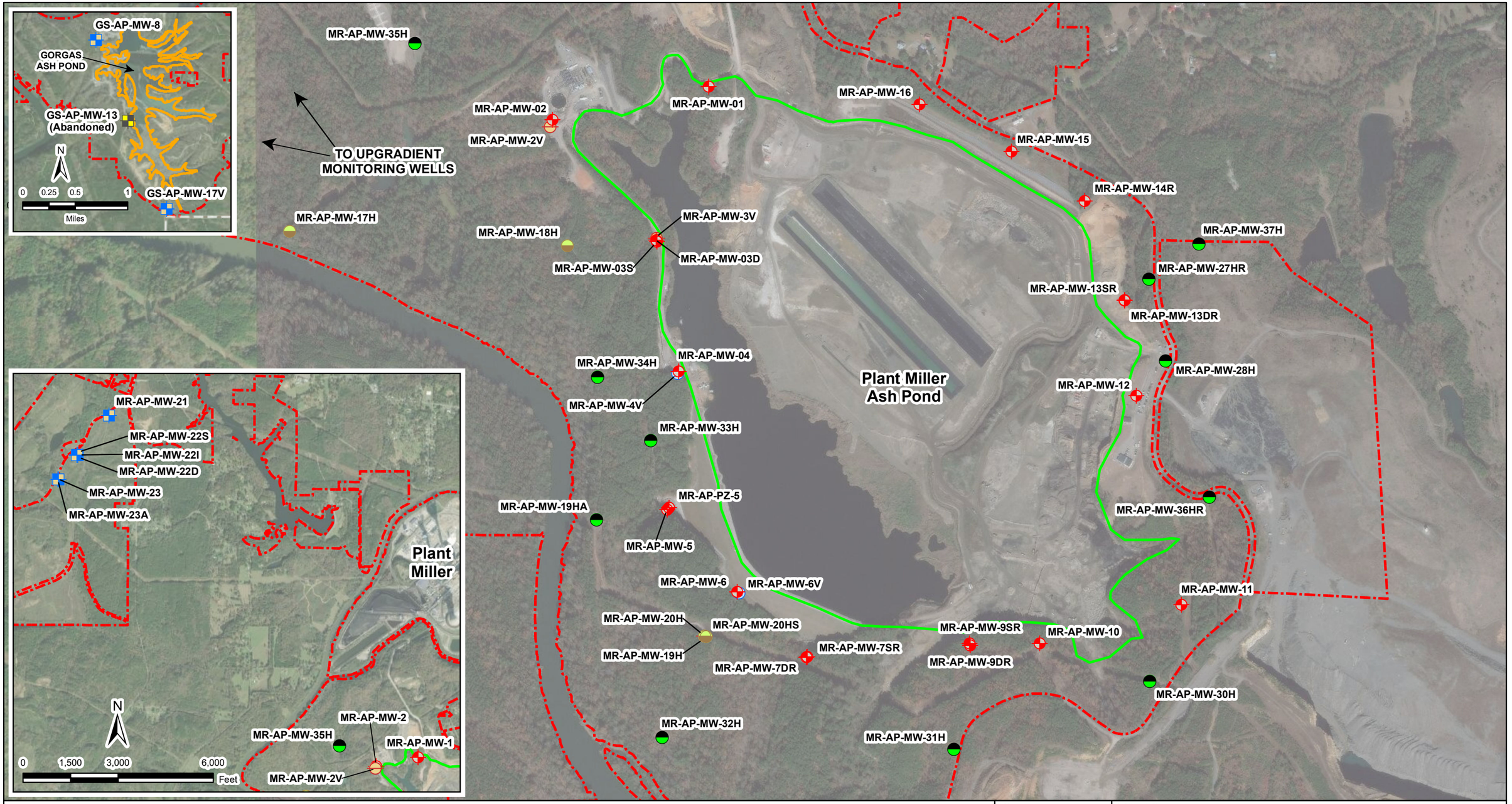
DRAWING TITLE

GEOLOGIC CROSS SECTION E - E'
PLANT MILLER ASH POND

FIGURE NO

FIGURE 4E

Southern Company



Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Abandoned Upgradient Monitoring Well
- Phase I Horizontal Delineation Well
- Phase I Vertical Delineation Well
- Phase II Horizontal Delineation Well
- Piezometer
- Ash Pond Boundary (Plant Gorgas)
- Ash Pond Boundary (Plant Miller)
- Property Boundary (Approximate)

N

0 500 1,000 2,000 Feet

SCALE	1:9600
DATE	7/27/2021
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE

MONITORING WELL LOCATION MAP PLANT MILLER ASH POND

FIGURE NO **FIGURE 5**

Southern Company

Well ID	Purpose	Groundwater Elevation
MR-AP-MW-18H	Horizontal Delineation	284.14
MR-AP-MW-2V	Piezometer	215.74
MR-AP-MW-3V	Piezometer	281.00

Wells in this table are screened within the Mary Lee Coal Group but were excluded from potentiometric surface contouring.

Legend

- Downgradient
- Horizontal Delineation
- Conceptual Potentiometric Surface Contour (ft NAVD88)
- Lower Mary Lee Group Contour
- Approximate Groundwater Flow Direction (Mary Lee Aquifer)
- Approximate Groundwater Flow Direction (Lower Mary Lee Group)
- Ash Pond Boundary

MR-AP-MW-1 Well ID
280.20 Groundwater Elevation

N

0 500 1,000 2,000 Feet

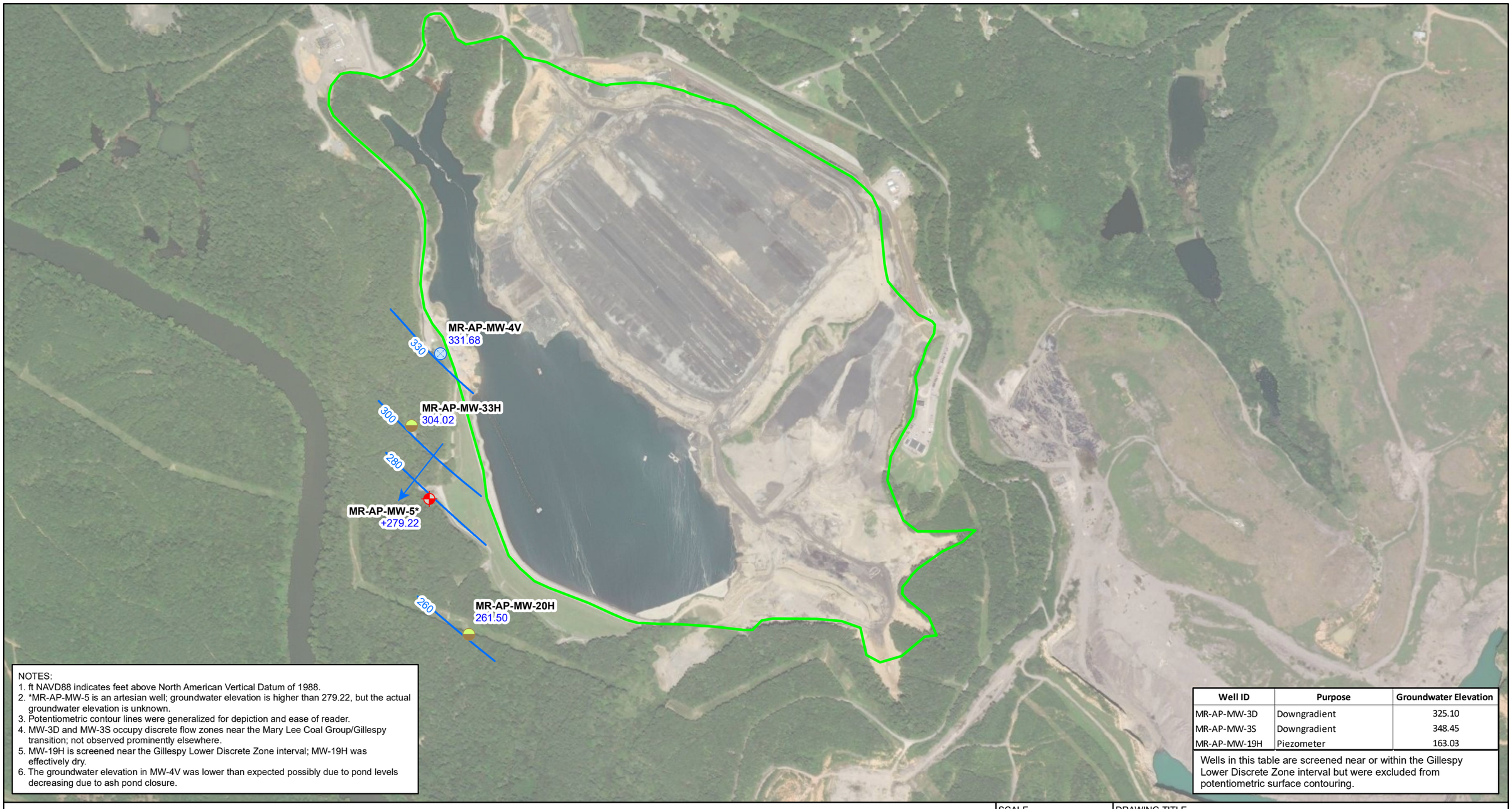
NOTES:
1. ft NAVD88 indicates feet above the North American Vertical Datum of 1988.
2. *MR-AP-PZ-5 is an artesian well; groundwater elevation is higher than 279.66, but the actual groundwater elevation is unknown.
3. MW-2V, MW-17H, and MW-35H are located stratigraphically lower than the Mary Lee Coal but within the Mary Lee Coal Group; MW-2V was effectively dry.
4. MW-3V is located stratigraphically above the Mary Lee Coal but within the Mary Lee Coal Group; MW-3 was effectively dry.

SCALE	1:10000
DATE	5/24/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
MARY LEE AQUIFER
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6A

Southern Company



NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. *MR-AP-MW-5 is an artesian well; groundwater elevation is higher than 279.22, but the actual groundwater elevation is unknown.
3. Potentiometric contour lines were generalized for depiction and ease of reader.
4. MW-3D and MW-3S occupy discrete flow zones near the Mary Lee Coal Group/Gillespy transition; not observed prominently elsewhere.
5. MW-19H is screened near the Gillespy Lower Discrete Zone interval; MW-19H was effectively dry.
6. The groundwater elevation in MW-4V was lower than expected possibly due to pond levels decreasing due to ash pond closure.

Well ID	Purpose	Groundwater Elevation
MR-AP-MW-3D	Downgradient	325.10
MR-AP-MW-3S	Downgradient	348.45
MR-AP-MW-19H	Piezometer	163.03

Wells in this table are screened near or within the Gillespy Lower Discrete Zone interval but were excluded from potentiometric surface contouring.

Legend

- Downgradient
- Horizontal Delineation
- Vertical Delineation
- Ash Pond Boundary
- Conceptual Potentiometric Surface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction

MR-AP-MW-5 Well ID
279.22 Groundwater Elevation

N

0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	5/12/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
GILLESPY LOWER DISCRETE FLOW ZONE
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6B

Southern Company

MR-AP-MW-6V
260.47

MR-AP-MW-7DR
259.04

MR-AP-MW-32H
261.18

261

260

259

Legend

- Downgradient
- Horizontal Delineation
- Vertical Delineation
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Ash Pond Boundary

MR-AP-MW-6V Well ID
260.47 Groundwater Elevation

N

0 500 1,000 2,000 Feet

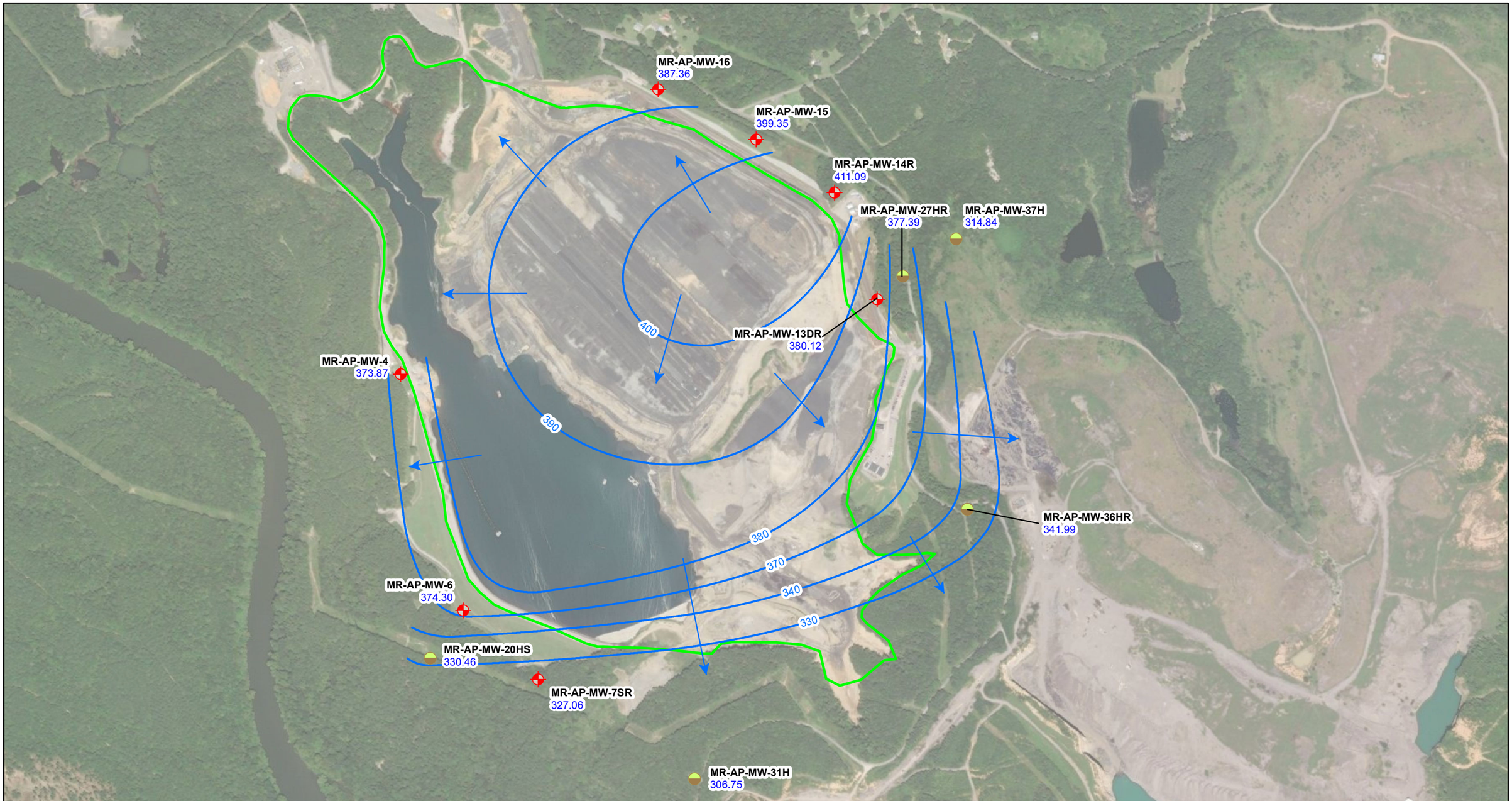
NOTES: 1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Potentiometric contour lines were generalized for depiction and ease of reader.
3. Wells MW-6V, MW-7DR, and MW-32H monitor parallel-to-bedding-plane fractures within Gillespy Coal Group sandstones.

SCALE	1:9000
DATE	5/24/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
GILLESPY LOWER SANDSTONE UNIT(S)
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6C

Southern Company



Legend

- Downgradient
- Horizontal Delineation
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Ash Pond Boundary
- **MR-AP-MW-7SR** Well ID
  327.06 Groundwater Elevation

N

0 500 1,000 2,000 Feet

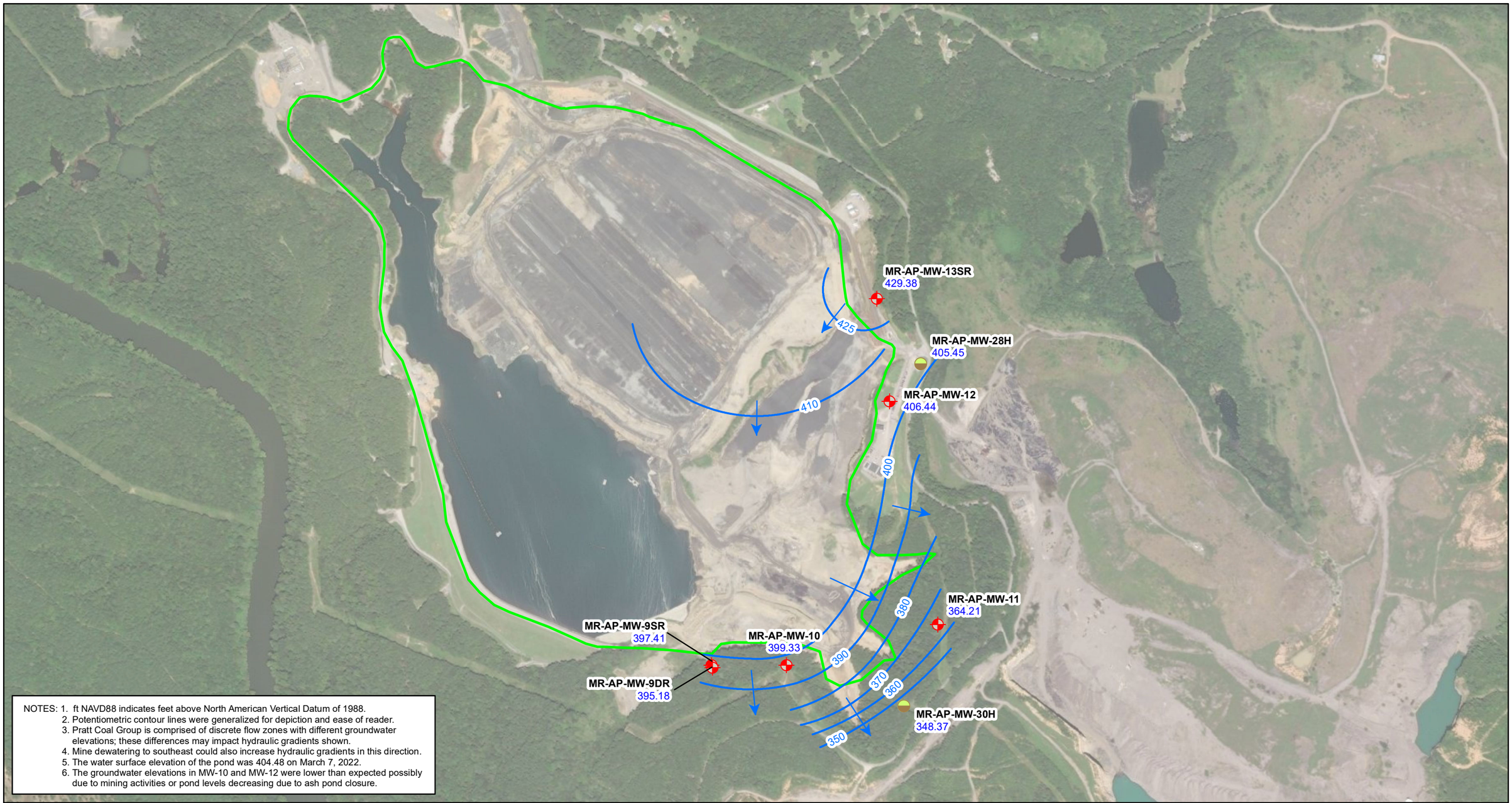
NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Potentiometric contour lines were generalized for depiction and ease of reader.
3. MW-20HS, MW-7SR, and MW-37H screened in lower portions of transition zone and slightly increase hydraulic gradients to southeast.
4. Groundwater elevations in MW-31H and MW-37H were lower than expected possibly due to mining operations or pond levels decreasing due to ash pond closure.

SCALE	1:9000
DATE	5/16/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
GILLESPY COAL - PRATT TRANSITION ZONE
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6D

Southern Company



NOTES: 1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Potentiometric contour lines were generalized for depiction and ease of reader.
3. Pratt Coal Group is comprised of discrete flow zones with different groundwater elevations; these differences may impact hydraulic gradients shown.
4. Mine dewatering to southeast could also increase hydraulic gradients in this direction.
5. The water surface elevation of the pond was 404.48 on March 7, 2022.
6. The groundwater elevations in MW-10 and MW-12 were lower than expected possibly due to mining activities or pond levels decreasing due to ash pond closure.

Legend

- Downgradient
- Horizontal Delineation
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Ash Pond Boundary
- **MR-AP-MW-9SR** Well ID
- 397.41 Groundwater Elevation

N

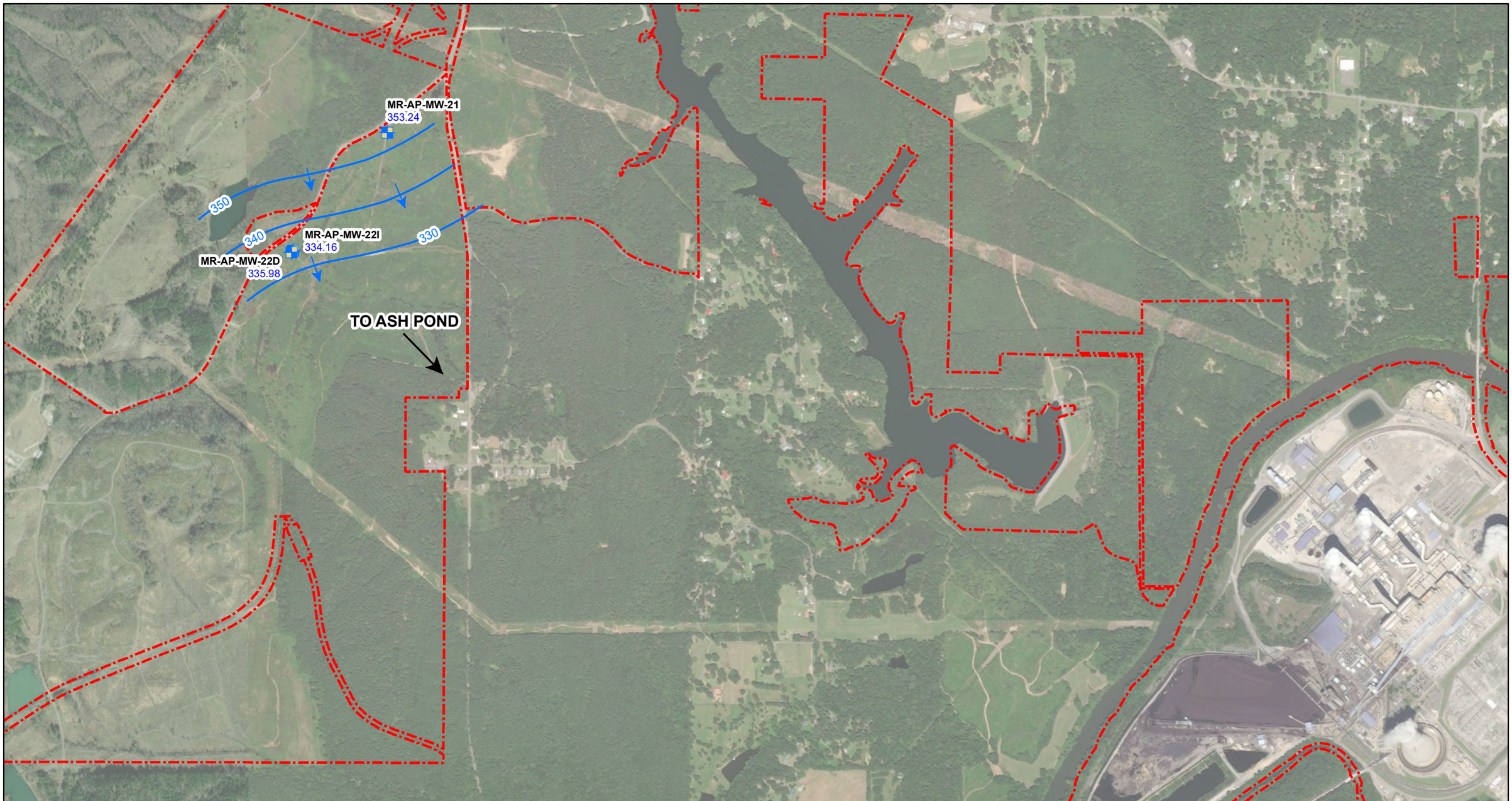
0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	5/24/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
PRATT COAL GROUP (GENERALIZED)
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6E

Southern Company



Legend

- Upgradient
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Property Boundary (Approximate)

MR-AP-MW-22D Well ID
335.98 Groundwater Elevation

N

0 500 1,000 2,000 3,000 Feet

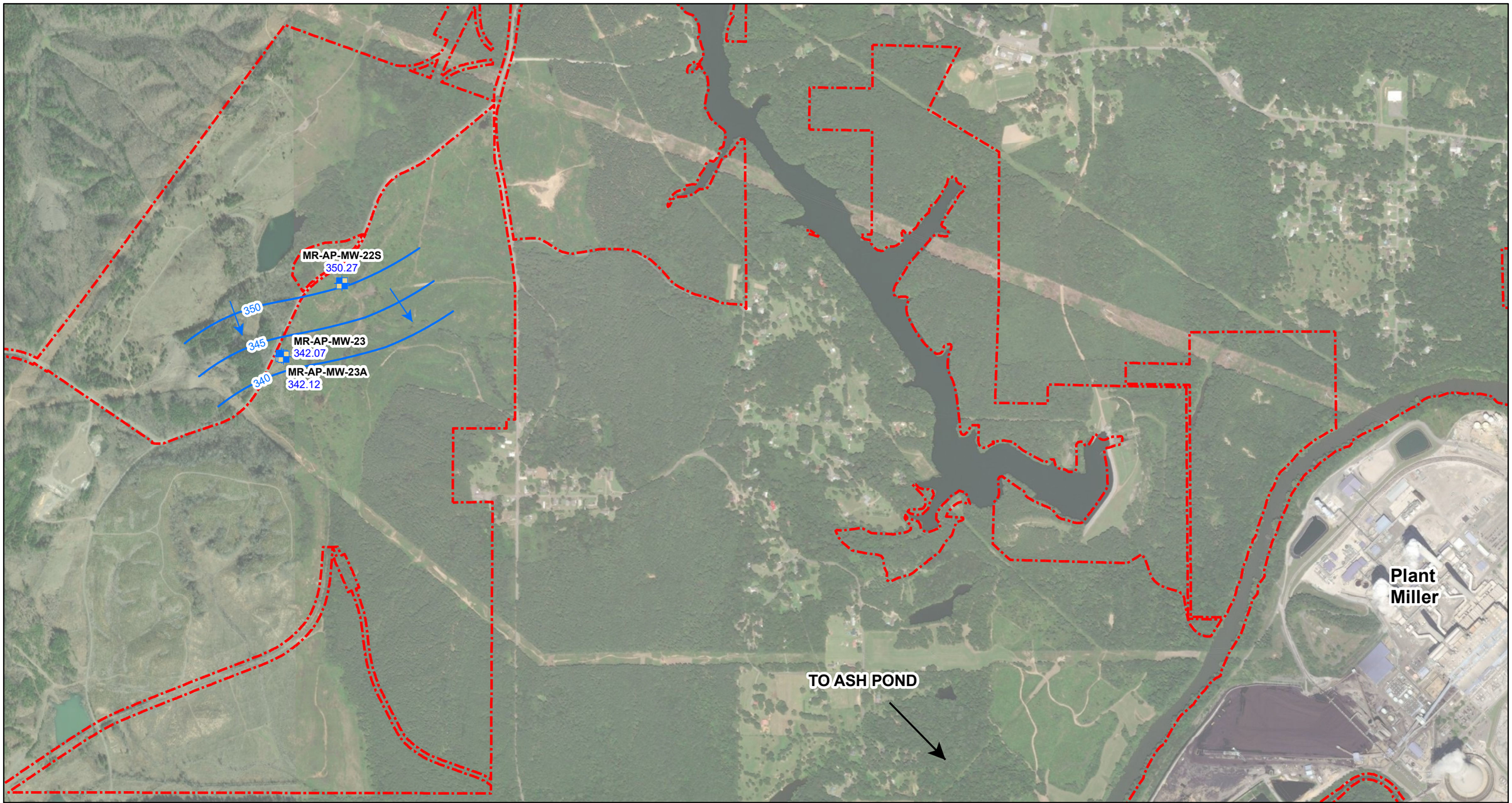
NOTE: ft NAVD88 indicates feet above North American Vertical Datum of 1988.

SCALE	1:12000
DATE	5/24/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
UPGRADIENT MONITORING WELLS - DEEP
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6F

Southern Company



Legend

- Upgradient
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Property Boundary (Approximate)

MR-AP-MW-23 Well ID
342.07 Groundwater Elevation

N

0 500 1,000 2,000 3,000 Feet

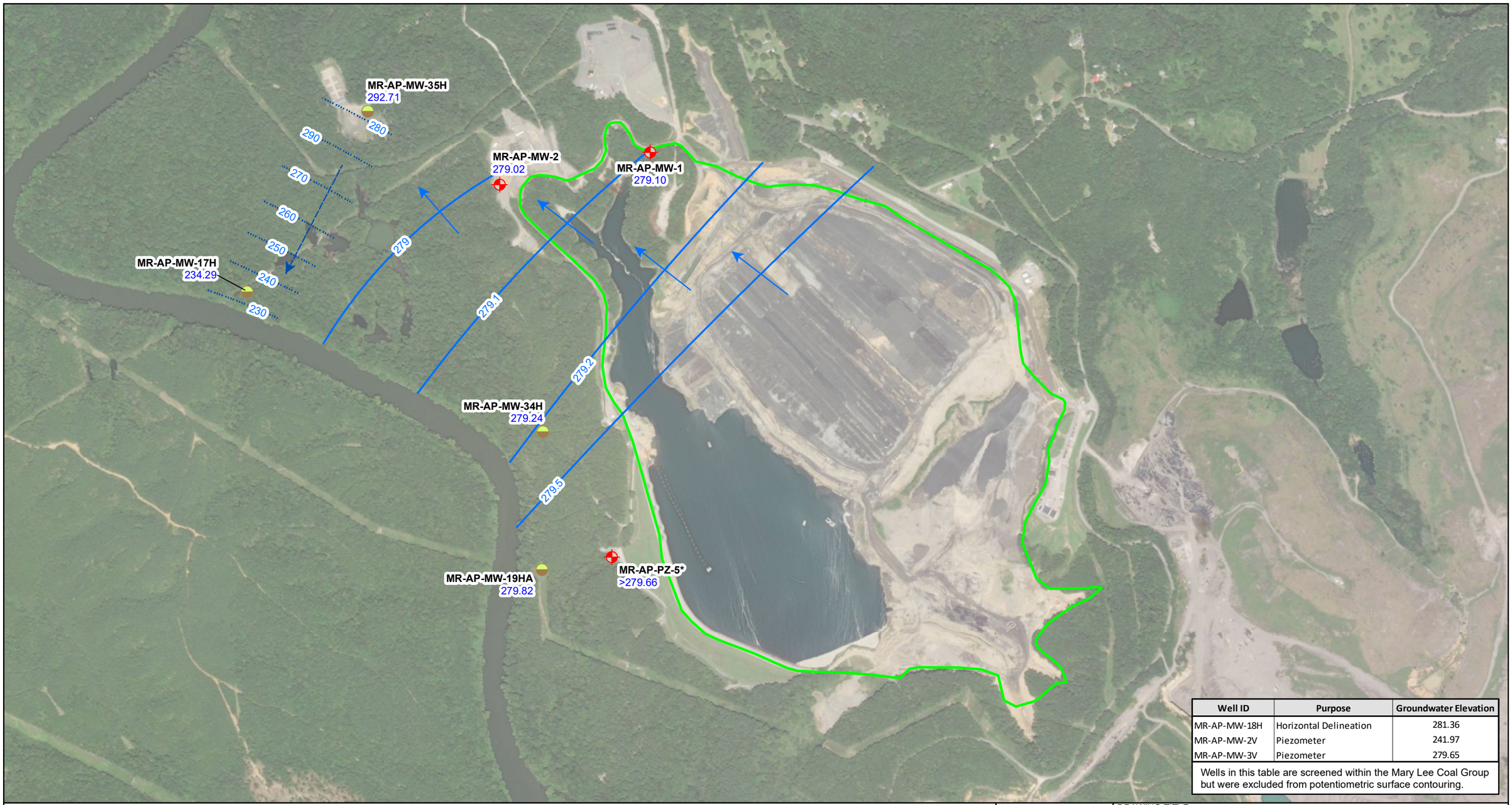
NOTE: 1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.

SCALE	1:12000
DATE	5/12/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 7, 2022
UPGRADIENT MONITORING WELLS - SHALLOW
PLANT MILLER ASH POND

FIGURE NO
FIGURE 6G

Southern Company



Well ID	Purpose	Groundwater Elevation
MR-AP-MW-18H	Horizontal Delineation	281.36
MR-AP-MW-2V	Piezometer	241.97
MR-AP-MW-3V	Piezometer	279.65

Wells in this table are screened within the Mary Lee Coal Group but were excluded from potentiometric surface contouring.

Legend

- Downgradient
- Horizontal Delineation
- Conceptual Potentiometric Surface Contour (ft NAVD88)
- Lower Mary Lee Group Contour
- Approximate Groundwater Flow Direction (Mary Lee Aquifer)
- Approximate Groundwater Flow Direction (Lower Mary Lee Group)
- Ash Pond Boundary

MR-AP-MW-1 Well ID
279.10 Groundwater Elevation

N

0 500 1,000 2,000 Feet

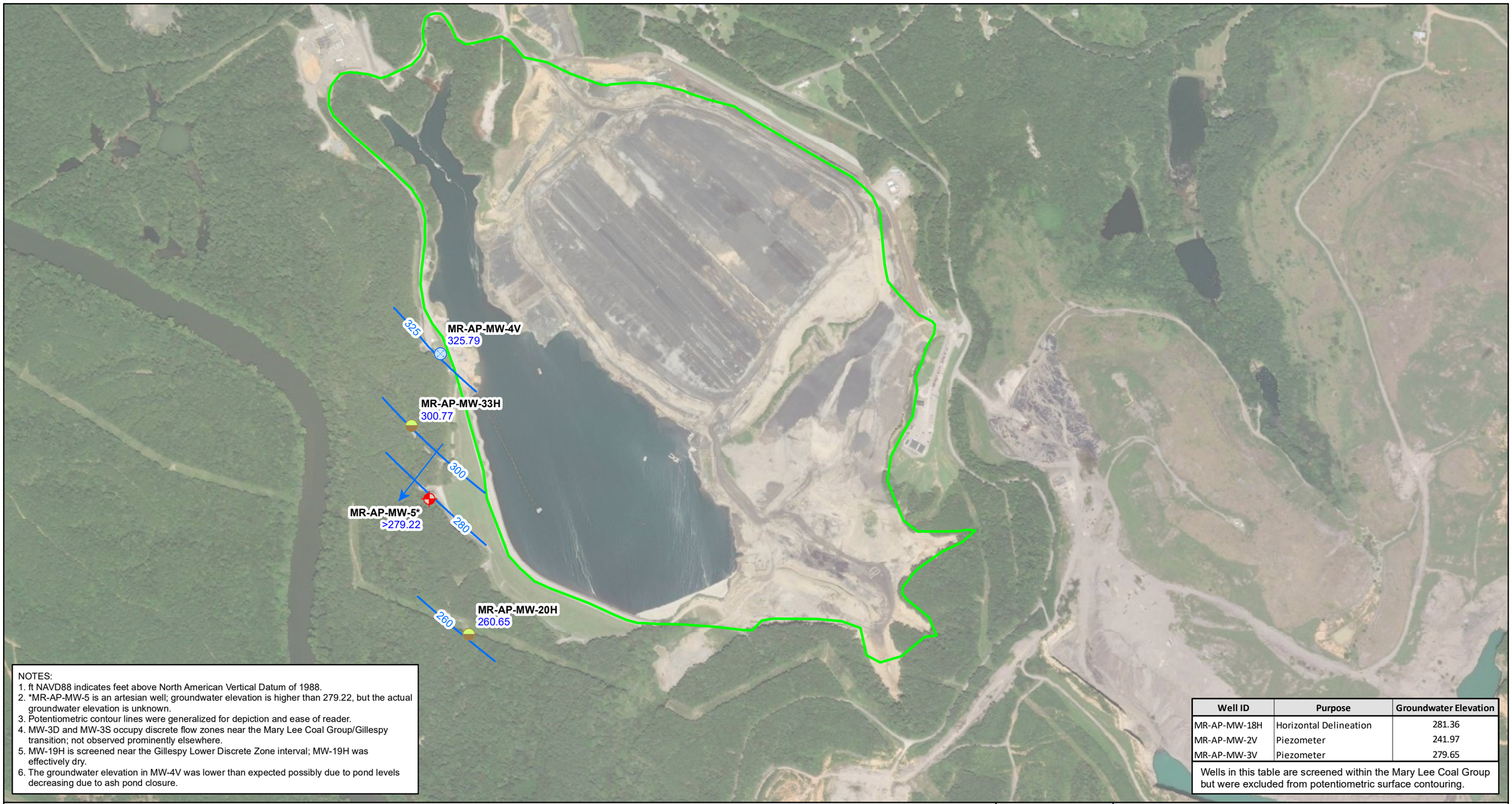
NOTES:
1. ft NAVD88 indicates feet above the North American Vertical Datum of 1988.
2. *MR-AP-PZ-5 is an artesian well; groundwater elevation is higher than 279.66, but the actual groundwater elevation is unknown.
3. MW-2V, MW-17H, and MW-35H are located stratigraphically lower than the Mary Lee Coal but within the Mary Lee Coal Group; MW-2V was effectively dry.
4. MW-3V is located stratigraphically above the Mary Lee Coal but within the Mary Lee Coal Group; MW-3 was effectively dry.

SCALE	1:10000
DATE	1/20/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
MARY LEE AQUIFER
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7A

Southern Company



NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. *MR-AP-MW-5 is an artesian well; groundwater elevation is higher than 279.22, but the actual groundwater elevation is unknown.
3. Potentiometric contour lines were generalized for depiction and ease of reader.
4. MW-3D and MW-3S occupy discrete flow zones near the Mary Lee Coal Group/Gillespy transition; not observed prominently elsewhere.
5. MW-19H is screened near the Gillespy Lower Discrete Zone interval; MW-19H was effectively dry.
6. The groundwater elevation in MW-4V was lower than expected possibly due to pond levels decreasing due to ash pond closure.

Well ID	Purpose	Groundwater Elevation
MR-AP-MW-18H	Horizontal Delineation	281.36
MR-AP-MW-2V	Piezometer	241.97
MR-AP-MW-3V	Piezometer	279.65

Wells in this table are screened within the Mary Lee Coal Group but were excluded from potentiometric surface contouring.

Legend

- Downgradient
- Horizontal Delineation
- Vertical Delineation
- Conceptual Potentiometric Surface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Ash Pond Boundary
- **MR-AP-MW-4V** Well ID
- 325.79 Groundwater Elevation

N

0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	10/30/2022
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
GILLESPY LOWER DISCRETE FLOW ZONE
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7B

Southern Company

MR-AP-MW-6V
259.56

MR-AP-MW-7DR
258.16

MR-AP-MW-32H
259.91

260

259

258

Legend

- Downgradient
- Horizontal Delineation
- Vertical Delineation
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Ash Pond Boundary

MR-AP-MW-6V Well ID
259.56 Groundwater Elevation

N

0 500 1,000 2,000 Feet

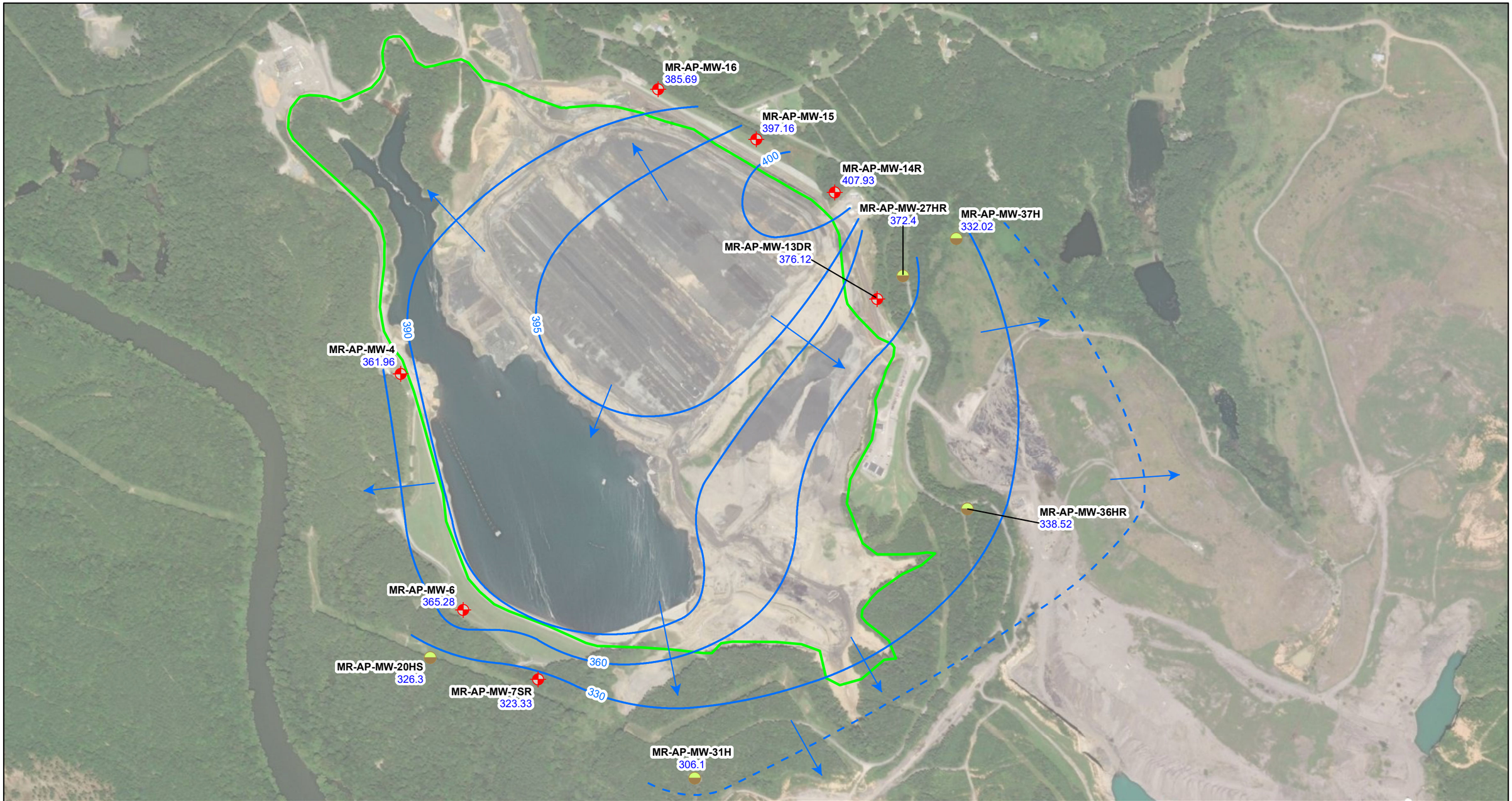
NOTES: 1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Potentiometric contour lines were generalized for depiction and ease of reader.
3. Wells MW-6V, MW-7DR, and MW-32H monitor parallel-to-bedding-plane fractures within Gillespy Coal Group sandstones.

SCALE	1:9000
DATE	10/30/2022
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
GILLESPY LOWER SANDSTONE UNIT(S)
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7C

Southern Company



Legend

- Downgradient
- Horizontal Delineation
- Ash Pond Boundary
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Inferred Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction

MR-AP-MW-7SR Well ID
323.33 Groundwater Elevation

N

0 500 1,000 2,000 Feet

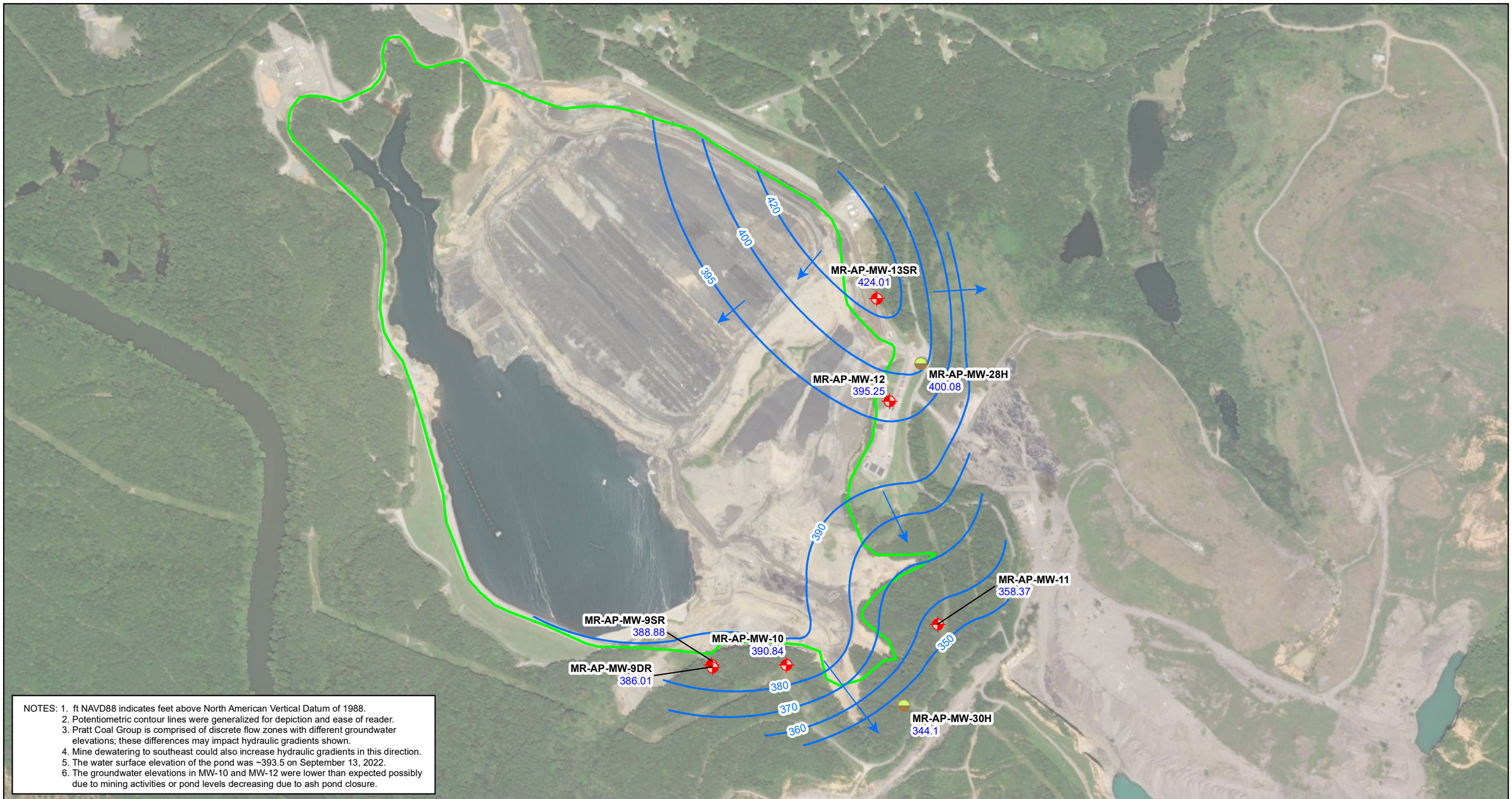
NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Potentiometric contour lines were generalized for depiction and ease of reader.
3. MW-20HS, MW-7SR, and MW-37H screened in lower portions of transition zone and slightly increase hydraulic gradients to southeast.
4. Groundwater elevations in MW-31H and MW-37H were lower than expected possibly due to mining operations or pond levels decreasing due to ash pond closure.

SCALE	1:9000
DATE	1/23/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
GILLESPY COAL - PRATT TRANSITION ZONE
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7D

Southern Company



NOTES: 1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Potentiometric contour lines were generalized for depiction and ease of reader.
3. Pratt Coal Group is comprised of discrete flow zones with different groundwater elevations; these differences may impact hydraulic gradients shown.
4. Mine dewatering to southeast could also increase hydraulic gradients in this direction.
5. The water surface elevation of the pond was ~393.5 on September 13, 2022.
6. The groundwater elevations in MW-10 and MW-12 were lower than expected possibly due to mining activities or pond levels decreasing due to ash pond closure.

Legend

- Downgradient
- Horizontal Delineation
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Ash Pond Boundary
- **MR-AP-MW-9SR** Well ID
- 388.88 Groundwater Elevation

N

0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	1/23/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
PRATT COAL GROUP (GENERALIZED)
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7E

Southern Company

MR-AP-MW-21
349.46

MR-AP-MW-22I
334.85

MR-AP-MW-22D
334.78

350

340

330

TO ASH POND

Legend

- Upgradient
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Property Boundary (Approximate)

MR-AP-MW-22D Well ID
334.78 Groundwater Elevation

N

0 500 1,000 2,000 3,000 Feet

NOTE: ft NAVD88 indicates feet above North American Vertical Datum of 1988.

SCALE	1:12000
DATE	10/31/2022
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
UPGRADIENT MONITORING WELLS - DEEP
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7F

Southern Company

MR-AP-MW-22S
349.22
MR-AP-MW-23
340.75
MR-AP-MW-23A
340.73
350
345
340
Plant Miller
TO ASH POND

Legend

- Upgradient
- Conceptual Potentiometric Suface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- Property Boundary (Approximate)

MR-AP-MW-23 Well ID
340.75 Groundwater Elevation

N

0 500 1,000 2,000 3,000 Feet

NOTE: 1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.

SCALE	1:12000
DATE	10/31/2022
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 13, 2022
UPGRADIENT MONITORING WELLS - SHALLOW
PLANT MILLER ASH POND

FIGURE NO
FIGURE 7G

Southern Company

NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Paired shallow well MR-AP-MW-3S did not exhibit arsenic above GWPS.
3. Wells were sampled from March 8 to 17, 2022.
4. Concentrations are in mg/L.
5. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
6. ND indicates concentration not detected above the method detection limit of 0.000068 mg/L.
7. NS indicates not sampled.
8. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.01 mg/L for Arsenic.

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Arsenic Isoconcentration Contour (mg/L) and Area of GWPS Exceedance
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-1 Well ID
0.0021 Arsenic Concentration (mg/L)

N

0 500 1,000 2,000 Feet

SCALE	1:12000
DATE	5/16/2022
DRAWN BY	KWR
CHECKED BY	GBD

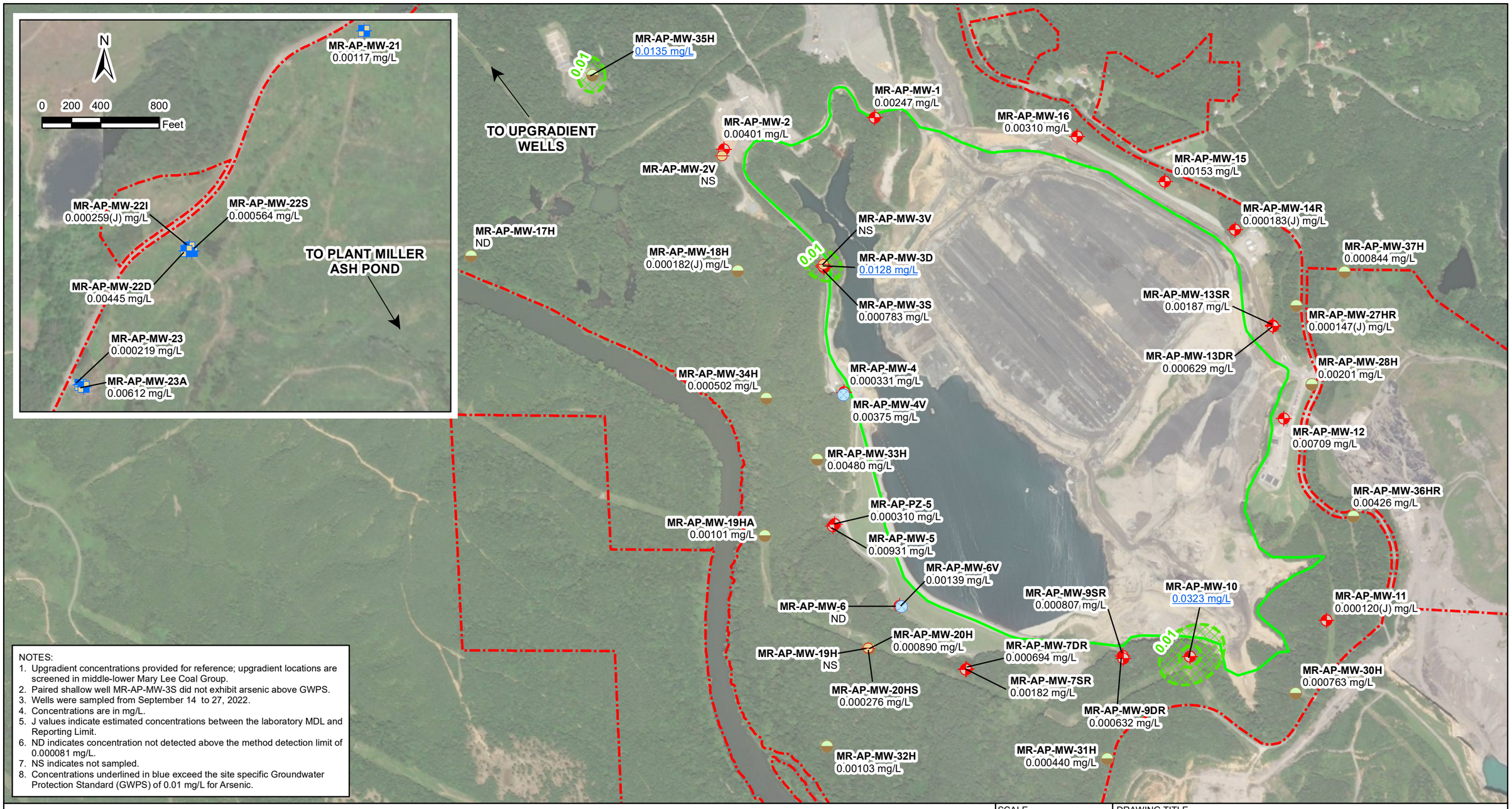
DRAWING TITLE

ARSENIC ISOCONCENTRATION MAP
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO

FIGURE 8A

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Paired shallow well MR-AP-MW-3S did not exhibit arsenic above GWPS.
3. Wells were sampled from September 14 to 27, 2022.
4. Concentrations are in mg/L.
5. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
6. ND indicates concentration not detected above the method detection limit of 0.000081 mg/L.
7. NS indicates not sampled.
8. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.01 mg/L for Arsenic.

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Arsenic Isoconcentration Contour (mg/L) and Area of GWPS Exceedance
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-1 Well ID
0.00247 Arsenic Concentration (mg/L)

N

0 500 1,000 2,000 Feet

SCALE	1:12000
DATE	1/11/2023
DRAWN BY	KAR
CHECKED BY	GBD

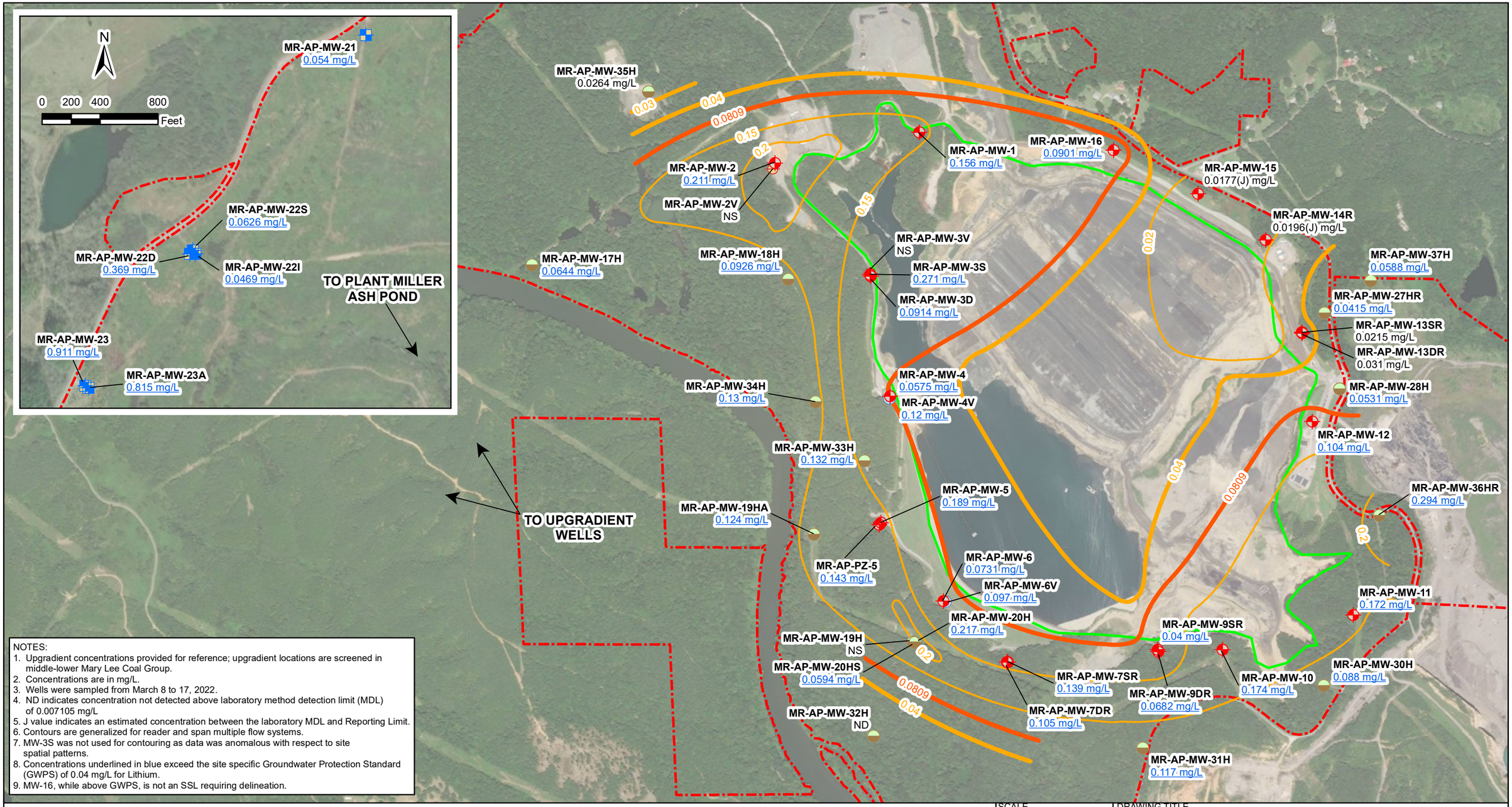
DRAWING TITLE

ARSENIC ISOCONCENTRATION MAP
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO

FIGURE 8B

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Concentrations are in mg/L.
3. Wells were sampled from March 8 to 17, 2022.
4. ND indicates concentration not detected above laboratory method detection limit (MDL) of 0.007105 mg/L
5. J value indicates an estimated concentration between the laboratory MDL and Reporting Limit.
6. Contours are generalized for reader and span multiple flow systems.
7. MW-3S was not used for contouring as data was anomalous with respect to site spatial patterns.
8. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
9. MW-16, while above GWPS, is not an SSL requiring delineation.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Isoconcentration Contour (mg/L)
- **MR-AP-MW-1** Well ID
  0.156 Lithium Concentration (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

N

0 500 1,000 2,000 3,000
Feet

SCALE	1:12500
DATE	5/16/2022
DRAWN BY	KWR
CHECKED BY	GBD

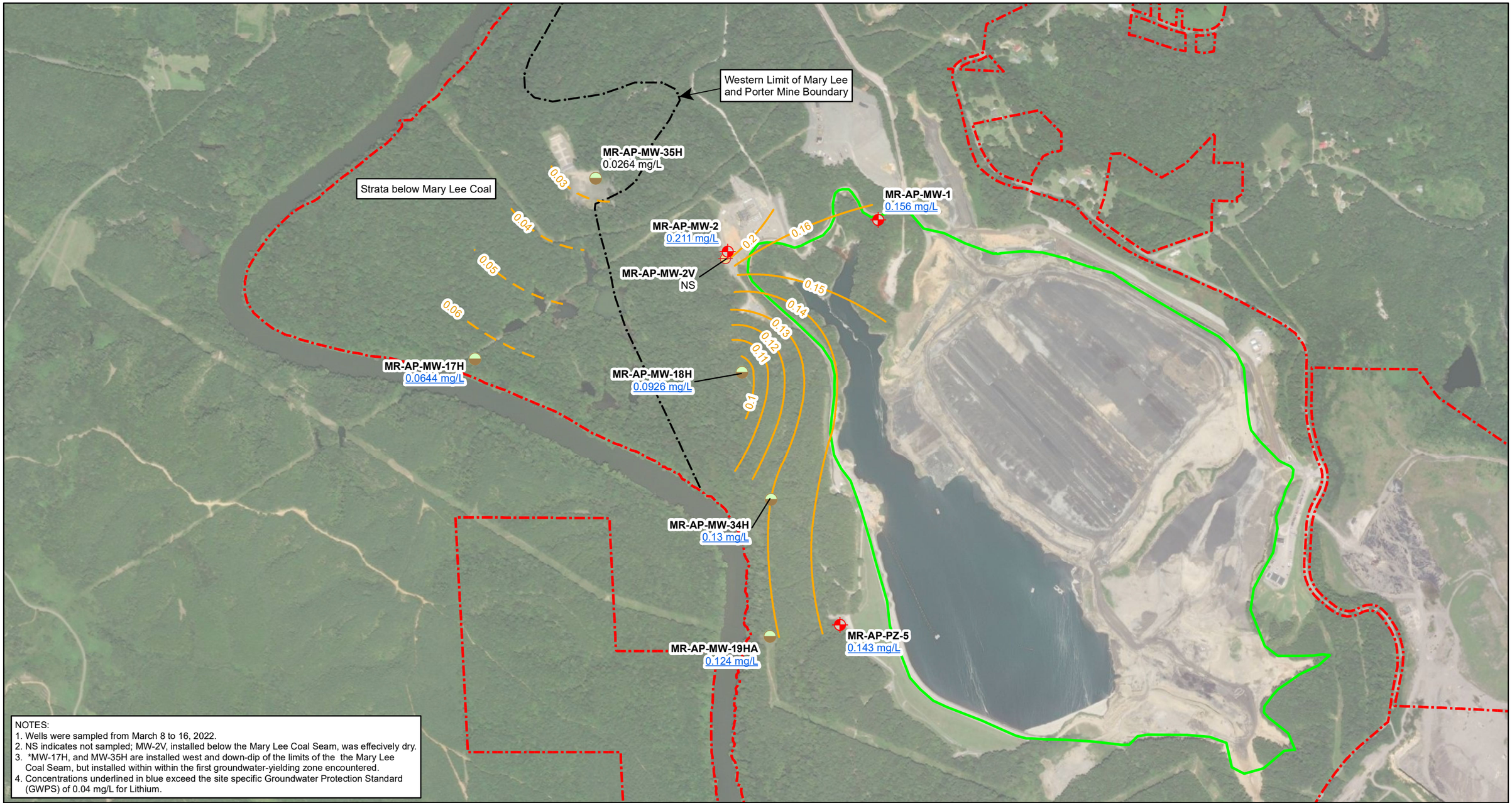
DRAWING TITLE

LITHIUM ISOCONCENTRATION MAP SEPTEMBER 2021 PLANT MILLER ASH POND

FIGURE NO

FIGURE 9A

Southern Company



NOTES:
1. Wells were sampled from March 8 to 16, 2022.
2. NS indicates not sampled; MW-2V, installed below the Mary Lee Coal Seam, was effecively dry.
3. *MW-17H, and MW-35H are installed west and down-dip of the limits of the the Mary Lee Coal Seam, but installed within within the first groundwater-yielding zone encountered.
4. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Piezometer

MR-AP-MW-1 Well ID
0.156 Lithium Concentration (mg/L)

- Lithium Isoconcentration Contour (mg/L)
- Inferred Lithium Isoconcentration Contour (mg/L)
- Western Limit of Mary Lee and Porter Mine Boundary
- Ash Pond Boundary
- Property Boundary (Approximate)

N

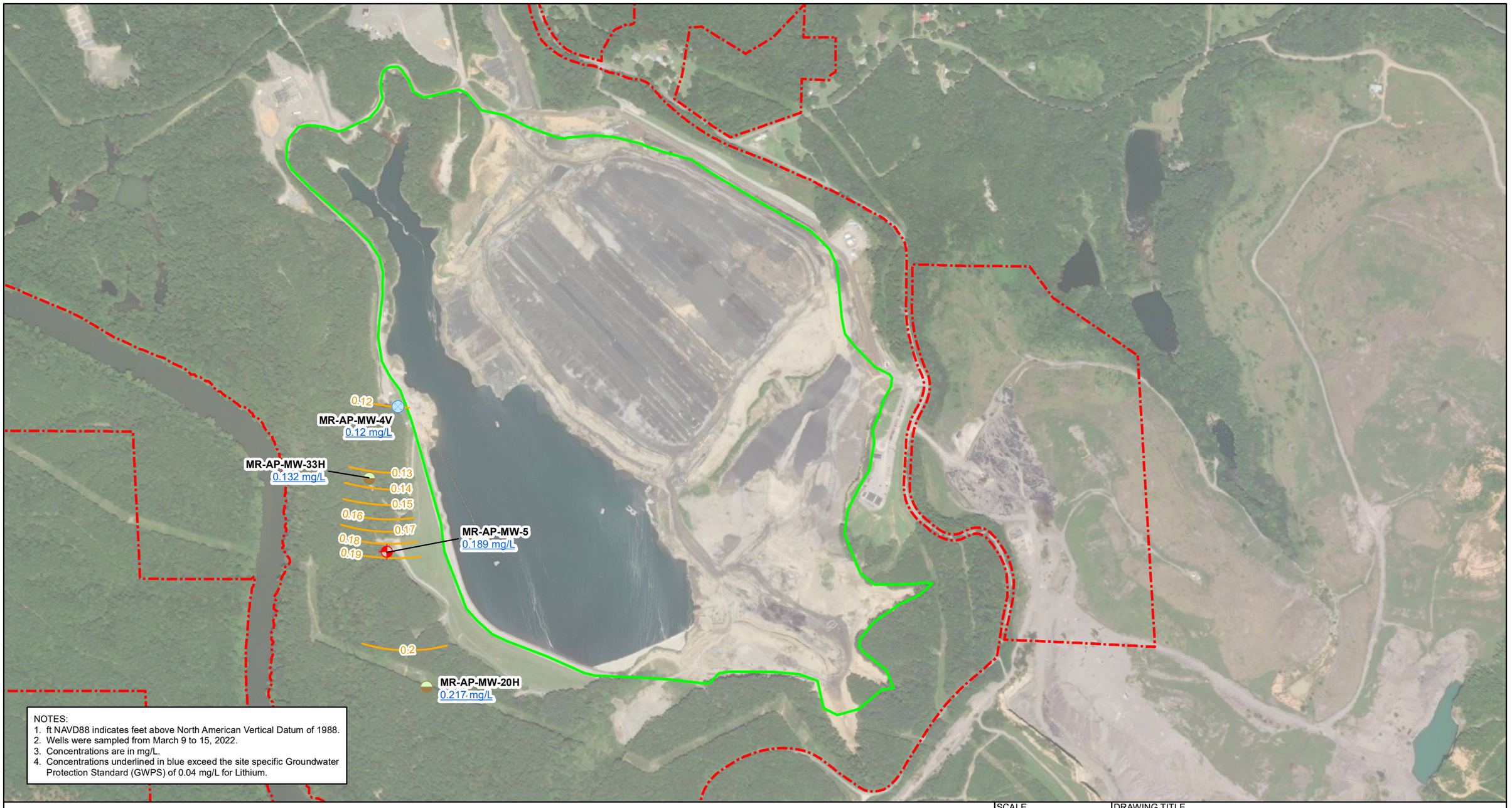
0 500 1,000 2,000 Feet

SCALE	1:10000
DATE	5/19/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
MARY LEE AQUIFER
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 9B

Southern Company



NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Wells were sampled from March 9 to 15, 2022.
3. Concentrations are in mg/L.
4. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Lithium Contour (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-4V Well ID
0.12 Lithium Concentration (mg/L)

N

0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	5/20/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
GILLESPY LOWER DISCRETE FLOW ZONE
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 9C

Southern Company

MR-AP-MW-6V
0.097 mg/L

MR-AP-MW-7DR
0.105 mg/L

MR-AP-MW-32H
ND

0.0809

0.1

0.04

NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Wells MW-6V, MW-7DR, and MW-32H monitor parallel-to-bedding-plane fractures within Gillespy Coal Group sandstones.
3. Wells were sampled from March 8 to 16, 2022.
4. Concentrations are in mg/L.
5. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
6. ND indicates concentration not detected above the laboratory Method Detection Limit (MDL).

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Contour (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-6V Well ID
0.097 Lithium Concentration (mg/L)

N

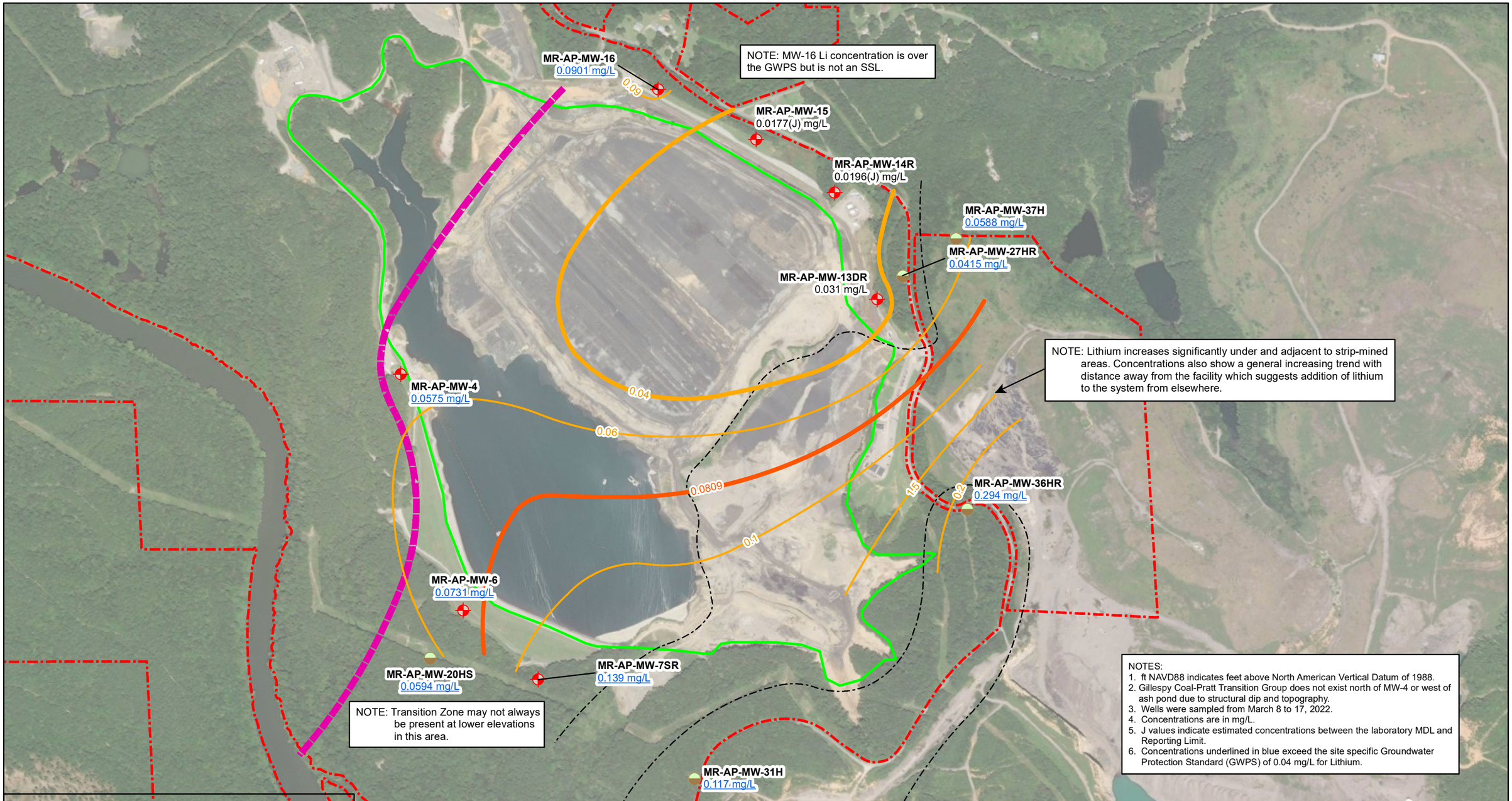
0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	5/20/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
GILLESPY LOWER SANDSTONE UNIT(S)
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 9D

Southern Company


MR-AP-MW-16
0.0901 mg/L
NOTE: MW-16 Li concentration is over the GWPS but is not an SSL.
MR-AP-MW-15
0.0177(J) mg/L
MR-AP-MW-14R
0.0196(J) mg/L
MR-AP-MW-37H
0.0588 mg/L
MR-AP-MW-27HR
0.0415 mg/L
MR-AP-MW-13DR
0.031 mg/L
NOTE: Lithium increases significantly under and adjacent to strip-mined areas. Concentrations also show a general increasing trend with distance away from the facility which suggests addition of lithium to the system from elsewhere.
MR-AP-MW-4
0.0575 mg/L
MR-AP-MW-36HR
0.294 mg/L
MR-AP-MW-6
0.0731 mg/L
MR-AP-MW-20HS
0.0594 mg/L
MR-AP-MW-7SR
0.139 mg/L
NOTE: Transition Zone may not always be present at lower elevations in this area.
MR-AP-MW-31H
0.117 mg/L
0.09
0.04
0.06
0.0809
0.1
1.5
0.2
NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Gillespy Coal-Pratt Transition Group does not exist north of MW-4 or west of ash pond due to structural dip and topography.
3. Wells were sampled from March 8 to 17, 2022.
4. Concentrations are in mg/L.
5. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
6. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
Legend
Downgradient Monitoring Well
Horizontal Delineation Well
Lithium GWPS Background Contour (0.0809 mg/L)
MR-AP-MW-4 Well ID
0.0575 Lithium Concentration (mg/L)
Lithium GWPS (RSL) Contour (0.04 mg/L)
Lithium Contour (mg/L)
Extent of Gillespy Coal-Pratt Transition Group
Extent of Strip Mining
Ash Pond Boundary
Property Boundary (Approximate)
N
0
500
1,000
2,000
Feet
SCALE 1:9000
DATE 5/23/2022
DRAWN BY KWR
CHECKED BY GBD
DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
GILLESPY COAL - PRATT TRANSITION ZONE
MARCH 2022
PLANT MILLER ASH POND
FIGURE NO
FIGURE 9E
Southern Company

ISOCONTOURS DRAWN WITH DEEP "D-SERIES" WELLS

MR-AP-MW-13SR
0.0215 mg/L

MR-AP-MW-28H
0.0531 mg/L

MR-AP-MW-12
0.104 mg/L

MR-AP-MW-10
0.0802 mg/L

MR-AP-MW-8D
0.0672 mg/L

MR-AP-MW-9DR
0.0682 mg/L

MR-AP-MW-10
0.174 mg/L

MR-AP-MW-11
0.172 mg/L

MR-AP-MW-30H
0.088 mg/L

0.03
0.06
0.0809
0.17
0.1

ISOCONTOURS DRAWN WITH SHALLOW "S-SERIES" WELLS

MR-AP-MW-13SR
0.0215 mg/L

MR-AP-MW-28H
0.0531 mg/L

MR-AP-MW-12
0.104 mg/L

MR-AP-MW-9S
0.117 mg/L

MR-AP-MW-8S
0.0304 mg/L

0.0806

MR-AP-MW-9SR
0.04 mg/L

MR-AP-MW-10
0.174 mg/L

MR-AP-MW-30H
0.088 mg/L

MR-AP-MW-11
0.172 mg/L

0.03
0.04
0.0809
0.17
0.1

NOTE: Lithium increases significantly under and adjacent to strip-mined areas. Concentrations also show a general increasing trend with distance away from the facility which suggests addition of lithium to the system from elsewhere.

NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Pratt Coal Group does nott exist northwest/west of line from MW-13SR to MW-9SR/DR.
3. Wells were sampled from March 8 to 17, 2022.
4. Concentrations are in mg/L.
5. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
6. MW-11 was not used in contouring due to its anomalous concentration value compared to other locations.
7. Deeper wells are contoured on left-side inset map.
8. Concentrations in MW-8S, -8D, -9S, and -9D are from March 3, 2020 (last date sampled) were used to guide isoconcentration lines.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Abandoned
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Contour (mg/L)
- Extent of Strip Mining
- Pre-mining limit of Pratt Coal Group
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-13SR Well ID
0.0215 Lithium Concentration (mg/L)

N

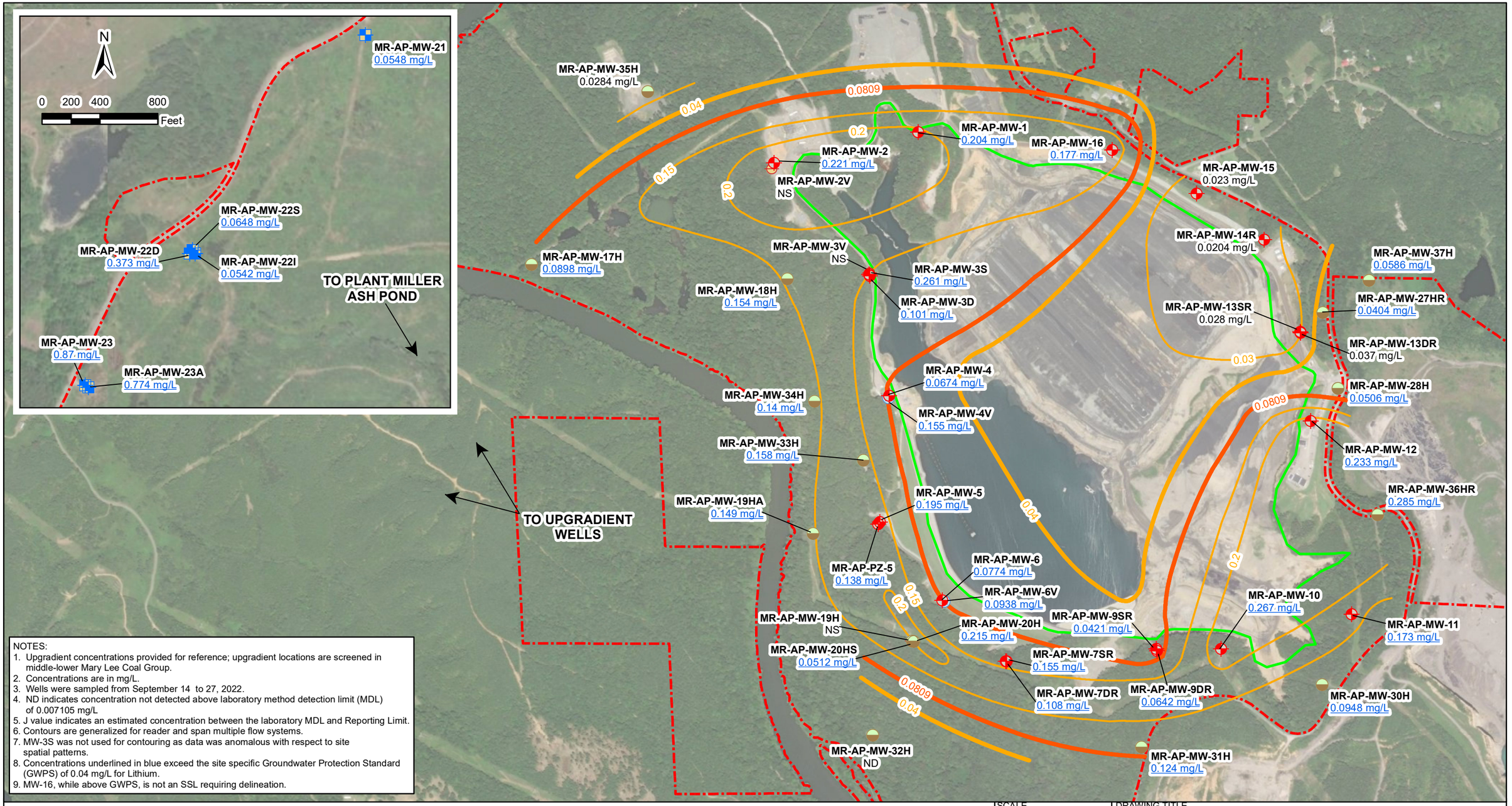
0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	5/23/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
PRATT COAL GROUP (GENERALIZED)
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 9F

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Concentrations are in mg/L.
3. Wells were sampled from September 14 to 27, 2022.
4. ND indicates concentration not detected above laboratory method detection limit (MDL) of 0.007105 mg/L
5. J value indicates an estimated concentration between the laboratory MDL and Reporting Limit.
6. Contours are generalized for reader and span multiple flow systems.
7. MW-3S was not used for contouring as data was anomalous with respect to site spatial patterns.
8. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
9. MW-16, while above GWPS, is not an SSL requiring delineation.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Isoconcentration Contour (mg/L)
- **MR-AP-MW-1** Well ID
  0.204 Lithium Concentration (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

N

0 500 1,000 2,000 3,000 Feet

SCALE	1:12500
DATE	1/12/2023
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE

LITHIUM ISOCONCENTRATION MAP SEPTEMBER 2022 PLANT MILLER ASH POND

FIGURE NO

FIGURE 8A

Southern Company

Western Limit of Mary Lee and Porter Mine Boundary

Strata below Mary Lee Coal

MR-AP-MW-35H
0.0284 mg/L

MR-AP-MW-2
0.221 mg/L

MR-AP-MW-2V
NS

MR-AP-MW-1
0.204 mg/L

MR-AP-MW-17H
0.0898 mg/L

MR-AP-MW-18H
0.154 mg/L

MR-AP-MW-34H
0.14 mg/L

MR-AP-PZ-5
0.138 mg/L

MR-AP-MW-19HA
0.149 mg/L

0.03
0.04
0.05
0.06
0.07
0.08
0.22
0.2
0.18
0.16
0.14

NOTES:
1. Wells were sampled from September 14 to 27, 2022.
2. NS indicates not sampled; MW-2V, installed below the Mary Lee Coal Seam, was effecively dry.
3. *MW-17H, and MW-35H are installed west and down-dip of the limits of the the Mary Lee Coal Seam, but installed within within the first groundwater-yielding zone encountered.
4. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Piezometer

MR-AP-MW-1 Well ID
0.204 Lithium Concentration (mg/L)

- Lithium Isoconcentration Contour (mg/L)
- Inferred Lithium Isoconcentration Contour (mg/L)
- Western Limit of Mary Lee and Porter Mine Boundary
- Ash Pond Boundary
- Property Boundary (Approximate)

N

0 500 1,000 2,000 Feet

SCALE	1:10000
DATE	1/16/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
MARY LEE AQUIFER
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 10B

Southern Company

NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Wells were sampled from September 14 to 27, 2022.
3. Concentrations are in mg/L.
4. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Lithium Contour (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-4V Well ID
0.155 Lithium Concentration (mg/L)

N

0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	1/16/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
GILLESPY LOWER DISCRETE FLOW ZONE
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 10C

Southern Company

MR-AP-MW-6V
0.0938 mg/L

0.1

0.0809

0.04

MR-AP-MW-7DR
0.108 mg/L

MR-AP-MW-32H
ND

NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Wells MW-6V, MW-7DR, and MW-32H monitor parallel-to-bedding-plane fractures within Gillespy Coal Group sandstones.
3. Wells were sampled from September 14 to 27, 2022.
4. Concentrations are in mg/L.
5. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
6. ND indicates concentration not detected above the laboratory Method Detection Limit (MDL).

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Contour (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-6V Well ID
0.0938 Lithium Concentration (mg/L)

N

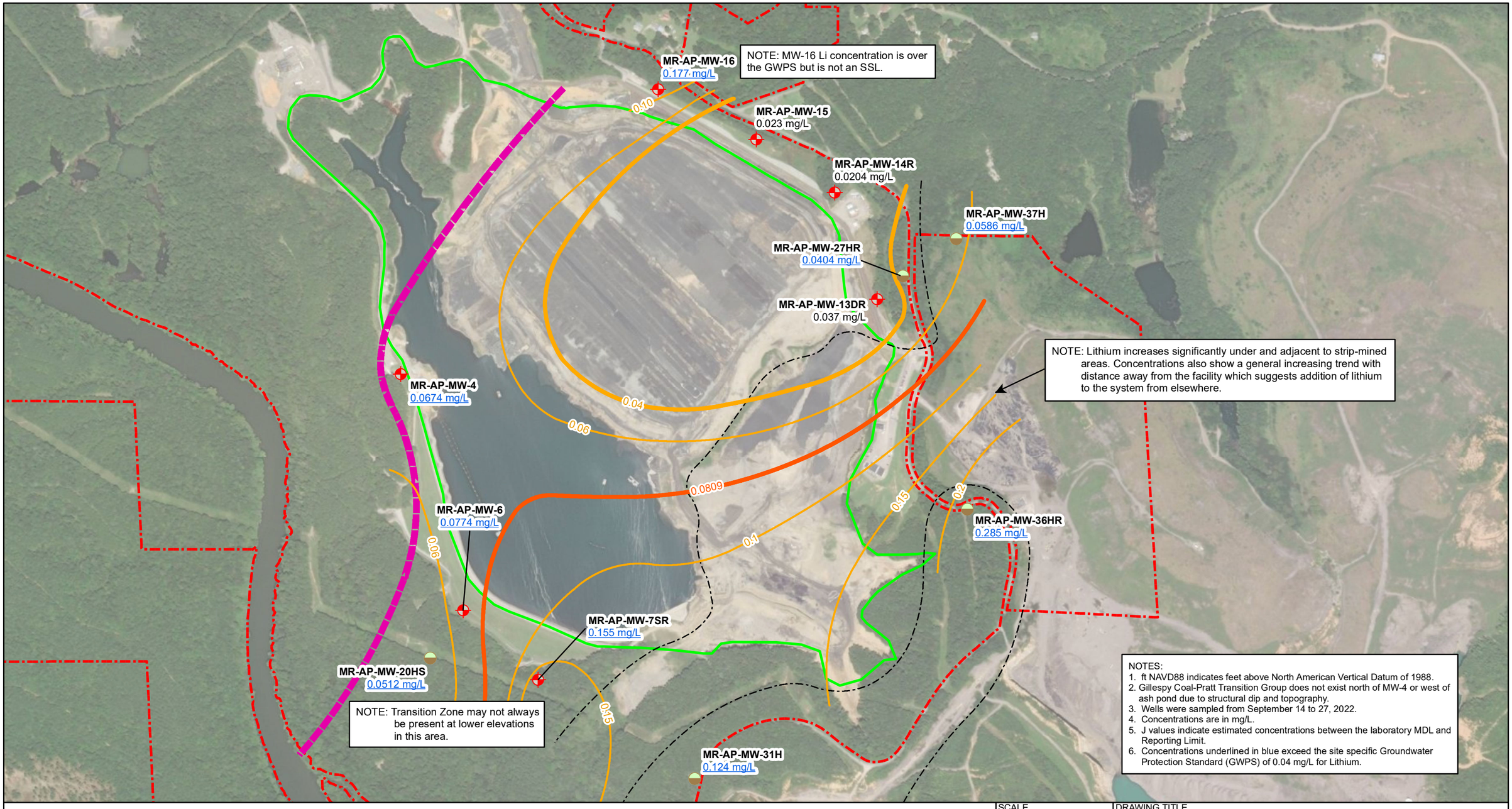
0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	1/16/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
GILLESPY LOWER SANDSTONE UNIT(S)
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 10D

Southern Company



Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Contour (mg/L)
- Extent of Gillespy Coal-Pratt Transition Group
- Extent of Strip Mining
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-4 Well ID
0.0674 Lithium Concentration (mg/L)

N

0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	1/23/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
GILLESPY COAL - PRATT TRANSITION ZONE
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 10E

Southern Company

ISOCONTOURS DRAWN WITH DEEP "D-SERIES" WELLS

MR-AP-MW-13SR
0.0280 mg/L

MR-AP-MW-28H
0.0506 mg/L

MR-AP-MW-12
0.233 mg/L

NOTE: Lithium increases significantly under and adjacent to strip-mined areas. Concentrations also show a general increasing trend with distance away from the facility which suggests addition of lithium to the system from elsewhere.

MR-AP-MW-9D
0.0802 mg/L

MR-AP-MW-8D
0.0672 mg/L

MR-AP-MW-10
0.267 mg/L

MR-AP-MW-11
0.173 mg/L

MR-AP-MW-9DR
0.0642 mg/L

MR-AP-MW-30H
0.0948 mg/L

0.03
0.05
0.07
0.0809
0.2
0.1

NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. Pratt Coal Group does nott exist northwest/west of line from MW-13SR to MW-9SR/DR.
3. Wells were sampled from September 14 to 27, 2022.
4. Concentrations are in mg/L.
5. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.04 mg/L for Lithium.
6. Deeper wells are contoured on left-side inset map.
7. Concentrations in MW-8S, -8D, -9S, and -9D are from March 3, 2020 (last date sampled) were used to guide isoconcentration lines.

Legend

- Downgradient Monitoring Well
- Horizontal Delineation Well
- Abandoned
- Lithium GWPS Background Contour (0.0809 mg/L)
- Lithium GWPS (RSL) Contour (0.04 mg/L)
- Lithium Contour (mg/L)
- Extent of Strip Mining
- Pre-mining limit of Pratt Coal Group
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-13SR Well ID
0.0280 Lithium Concentration (mg/L)

N

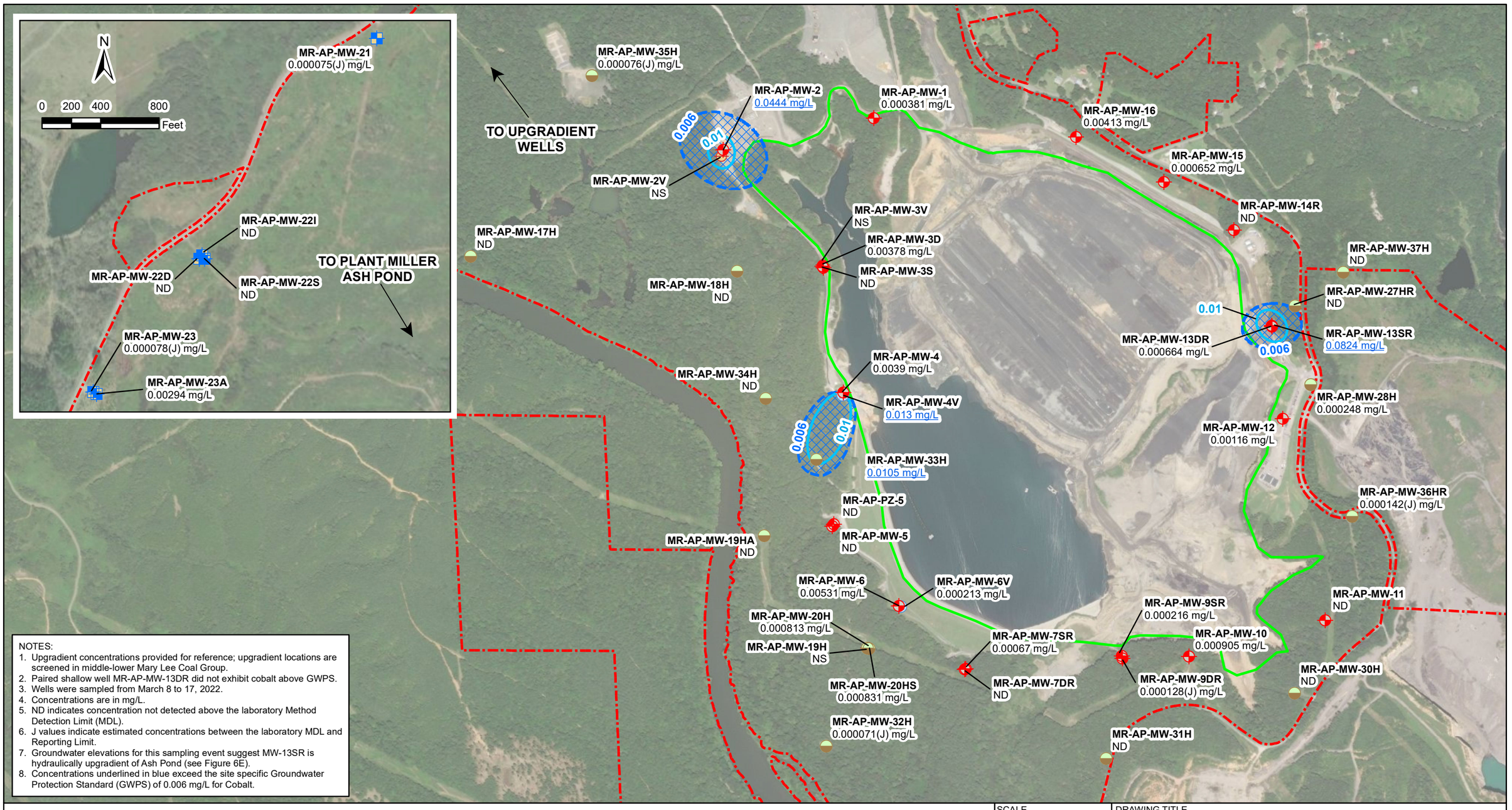
0 500 1,000 2,000 Feet

SCALE	1:9000
DATE	1/24/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
LITHIUM ISOCONCENTRATION MAP
PRATT COAL GROUP (GENERALIZED)
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 10F

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Paired shallow well MR-AP-MW-13DR did not exhibit cobalt above GWPS.
3. Wells were sampled from March 8 to 17, 2022.
4. Concentrations are in mg/L.
5. ND indicates concentration not detected above the laboratory Method Detection Limit (MDL).
6. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
7. Groundwater elevations for this sampling event suggest MW-13SR is hydraulically upgradient of Ash Pond (see Figure 6E).
8. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.006 mg/L for Cobalt.

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Cobalt Isoconcentration Contour (mg/L)
- Cobalt GWPS (0.006 mg/L) and Area of GWPS Exceedance
- **MR-AP-MW-4** Well ID
  0.0039 Cobalt Concentration (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

N

0 500 1,000 2,000 3,000 Feet

SCALE	1:12000
DATE	5/23/2022
DRAWN BY	KWR
CHECKED BY	GBD

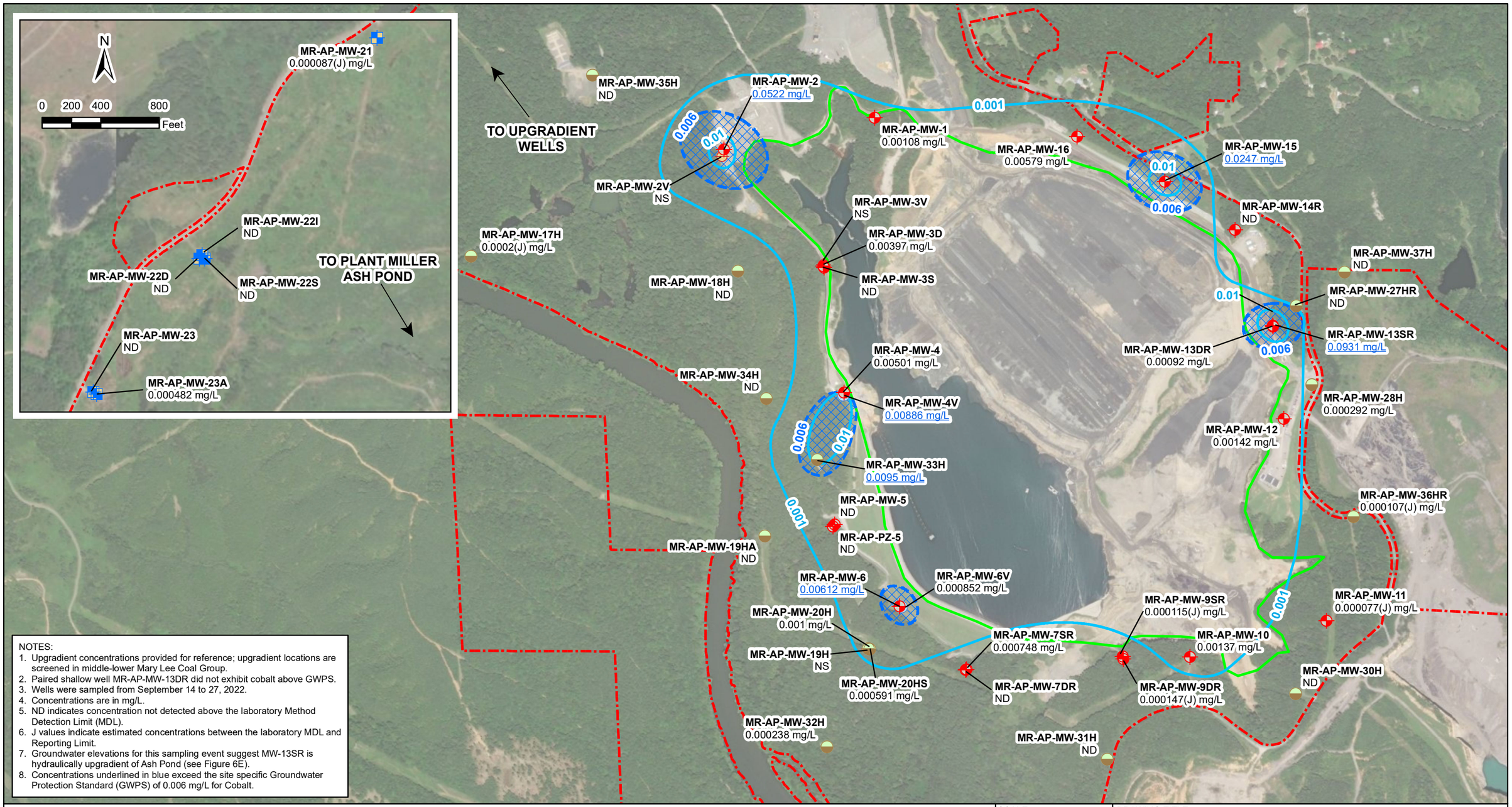
DRAWING TITLE

COBALT ISOCONCENTRATION MAP
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO

FIGURE 11A

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Paired shallow well MR-AP-MW-13DR did not exhibit cobalt above GWPS.
3. Wells were sampled from September 14 to 27, 2022.
4. Concentrations are in mg/L.
5. ND indicates concentration not detected above the laboratory Method Detection Limit (MDL).
6. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
7. Groundwater elevations for this sampling event suggest MW-13SR is hydraulically upgradient of Ash Pond (see Figure 6E).
8. Concentrations underlined in blue exceed the site specific Groundwater Protection Standard (GWPS) of 0.006 mg/L for Cobalt.

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Cobalt Isoconcentration Contour (mg/L)
- Cobalt GWPS (0.006 mg/L) and Area of GWPS Exceedance
- **MR-AP-MW-4** Well ID
  0.00501 Cobalt Concentration (mg/L)
- Ash Pond Boundary
- Property Boundary (Approximate)

N

0 500 1,000 2,000 3,000
Feet

SCALE	1:12000
DATE	1/23/2023
DRAWN BY	KAR
CHECKED BY	GBD

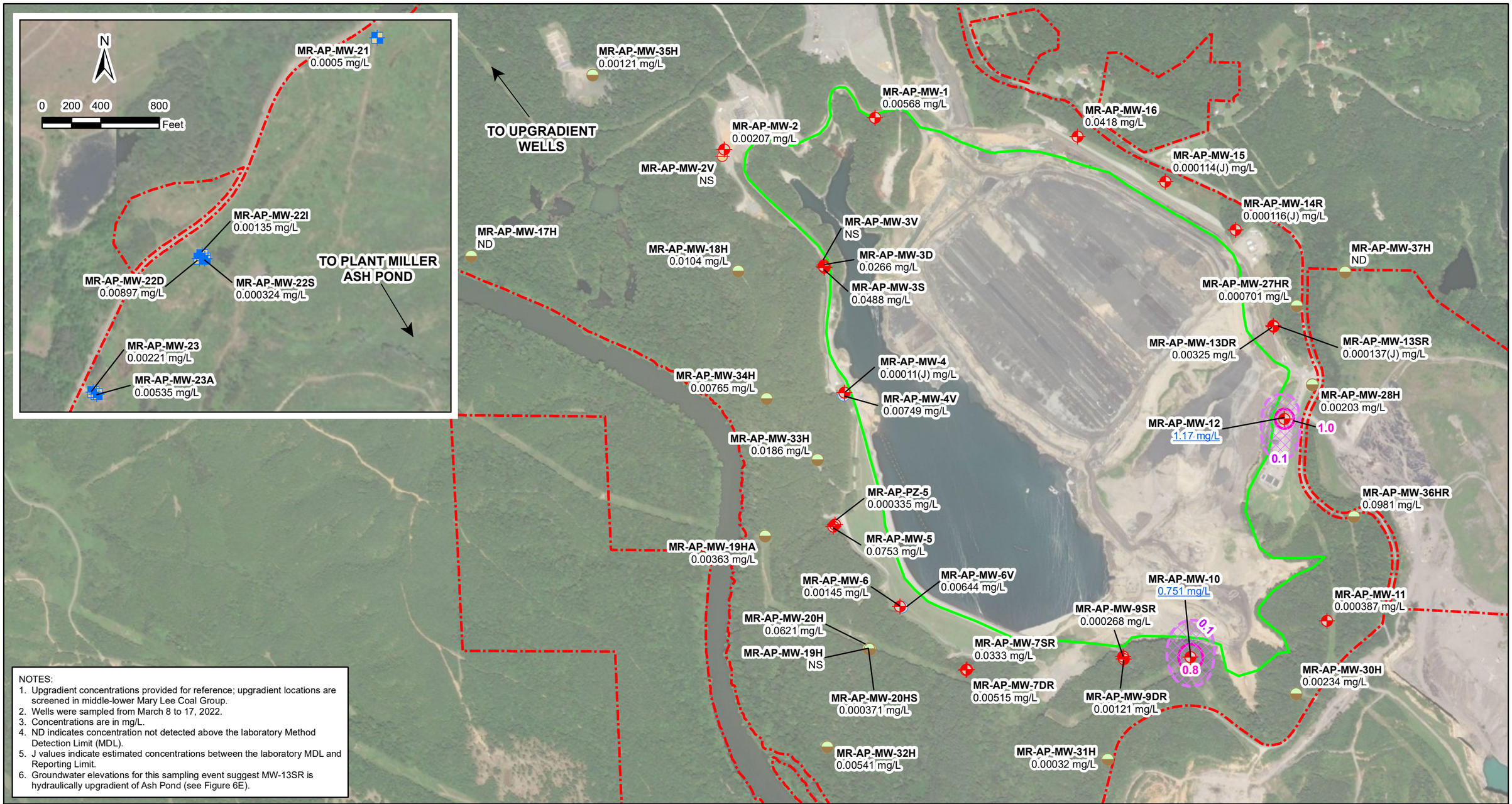
DRAWING TITLE

COBALT ISOCONCENTRATION MAP SEPTEMBER 2022 PLANT MILLER ASH POND

FIGURE NO

FIGURE 11B

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Wells were sampled from March 8 to 17, 2022.
3. Concentrations are in mg/L.
4. ND indicates concentration not detected above the laboratory Method Detection Limit (MDL).
5. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
6. Groundwater elevations for this sampling event suggest MW-13SR is hydraulically upgradient of Ash Pond (see Figure 6E).

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Molybdenum Isoconcentration Contour (mg/L)
- Molybdenum GWPS (0.1 mg/L) and Area of GWPS Exceedance
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-1 Well ID
0.00568 Molybdenum Concentration (mg/L)

N

0 500 1,000 2,000
Feet

SCALE	1:12000
DATE	1/24/2023
DRAWN BY	KWR
CHECKED BY	GBD

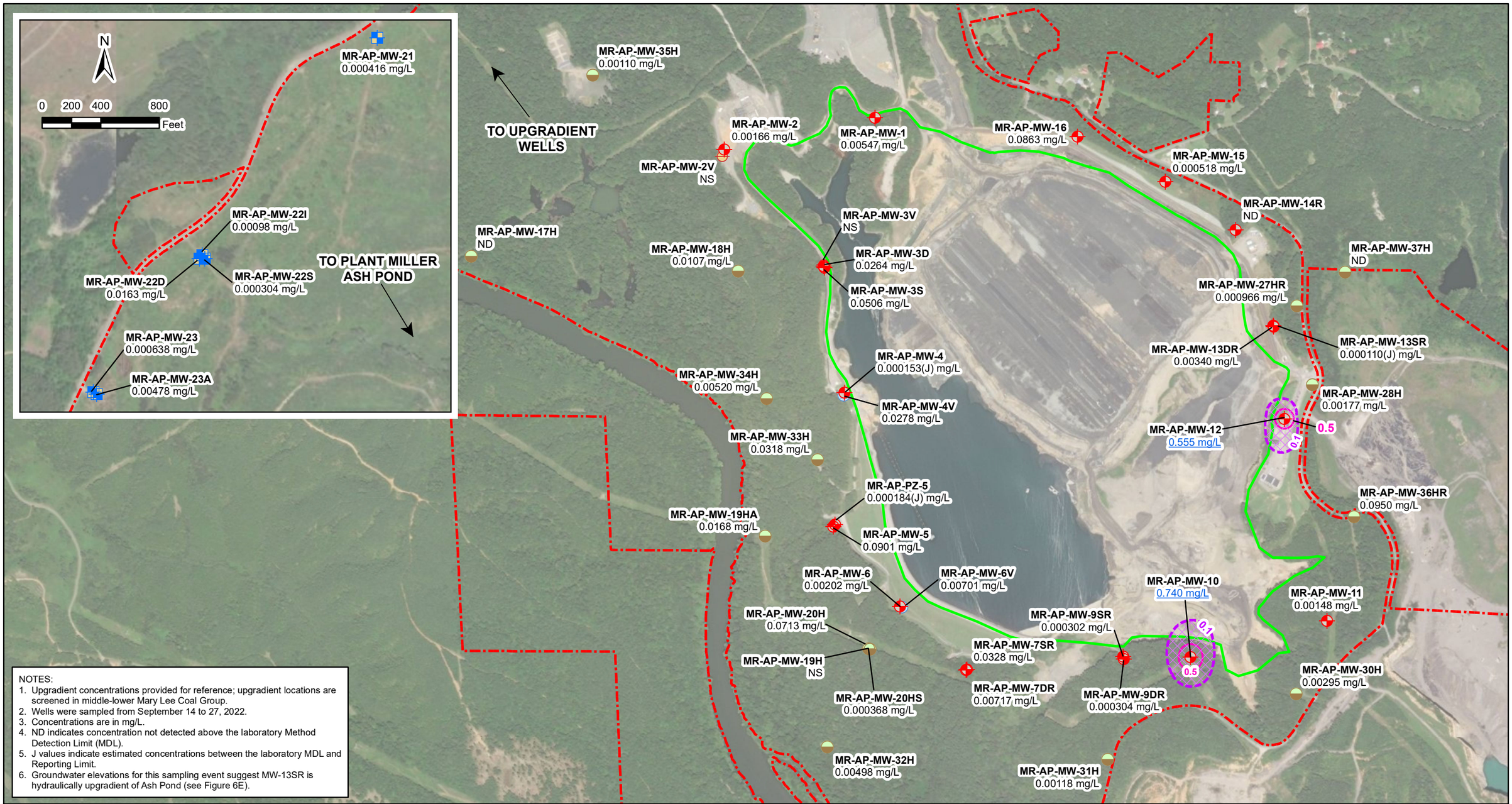
DRAWING TITLE

MOLYBDENUM ISOCONCENTRATION MAP
MARCH 2022
PLANT MILLER ASH POND

FIGURE NO

FIGURE 10

Southern Company



NOTES:
1. Upgradient concentrations provided for reference; upgradient locations are screened in middle-lower Mary Lee Coal Group.
2. Wells were sampled from September 14 to 27, 2022.
3. Concentrations are in mg/L.
4. ND indicates concentration not detected above the laboratory Method Detection Limit (MDL).
5. J values indicate estimated concentrations between the laboratory MDL and Reporting Limit.
6. Groundwater elevations for this sampling event suggest MW-13SR is hydraulically upgradient of Ash Pond (see Figure 6E).

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Molybdenum Isoconcentration Contour (mg/L)
- Molybdenum GWPS (0.1 mg/L) and Area of GWPS Exceedance
- Ash Pond Boundary
- Property Boundary (Approximate)

MR-AP-MW-1 Well ID
0.00547 Molybdenum Concentration (mg/L)

N
0 500 1,000 2,000 3,000
Feet

SCALE	1:12000
DATE	1/23/2023
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
MOLYBDENUM ISOCONCENTRATION MAP
SEPTEMBER 2022
PLANT MILLER ASH POND

FIGURE NO
FIGURE 12B

Southern Company

Appendix A

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-21								GS-AP-MW-8
		03/06/2019	08/28/2019	03/09/2020	10/13/2020	04/28/2021	09/14/2021	03/17/2022	09/26/2022	08/03/2016
Appendix III										
Boron	mg/L	0.0619 J	0.0879 J	0.101	0.0973 J	0.0976 J	0.0892 J	0.089 J	0.0869 J	0.0239 J
Calcium	mg/L	60.1	63.5	52.4	51.7	55.5	56.7	54.8	60.2	6.85
Chloride	mg/L	9.18	9.75	14.6	14.4	14.4	6.93	11.1	10	3.21
Fluoride	mg/L	0.169	0.212	0.285	0.283	0.217	0.182	0.127	0.158	0.125 J
pH_Field	SU	7.26	7.42	7.7	7.68	7.73	7.83	7.72	7.36	5.84
Sulfate	mg/L	116	108	111	135	136	139	137	134	4.2
TDS	mg/L	397	446	496	534	499	440	460	459	113
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006
Arsenic	mg/L	0.00106 J	0.00129 J	0.00472 J	0.00366 J	0.00292	0.00104	0.00112	0.00117	0.00214 J
Barium	mg/L	0.0629	0.314	0.469	0.381	0.25	0.147	0.14	0.133	0.0274
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	0.000708 J	0.000634 J	0.000243 J	0.000247 J	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	0.000291	0.000221	<6.8e-005	8.71e-005 J	0.0026 J
Combined Radium	pCi/L	0.24 U	0.908	0.202 U	0.683	0.683 U	0.833 U	0.7 U	1.23	0.299 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	0.000323	0.000195 J	<6.8e-005	<6.8e-005	<0.001
Lithium	mg/L	0.0484	0.0493	0.0252	0.0379	0.045	0.0657	0.0543	0.0548	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025
Molybdenum	mg/L	0.00411 J	0.00208 J	<0.002	<0.002	0.00251	0.000976	0.000332	0.000416	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-8								
		09/21/2016	10/25/2016	12/13/2016	02/06/2017	03/28/2017	04/24/2017	06/07/2017	08/21/2017	02/19/2018
Appendix III										
Boron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--
Calcium	mg/L	11.7	10.8	5.86	9.76	5.28	6.89	3.58	3.38	--
Chloride	mg/L	2.95	3.03	3.21	3	3.3	3.8	3.5	3.6	--
Fluoride	mg/L	0.098 J	0.025 J	0.045 J	0.1	0.08 J	0.09 J	0.08 J	0.08 J	0.08 J
pH_Field	SU	5.99	5.94	5.84	5.9	5.67	5.79	5.71	5.7	5.78
Sulfate	mg/L	4.27	2.78	3.18	3.74	3.4 J	2.7 J	2.7 J	3.9 J	--
TDS	mg/L	128	121	101	108	91	89.3	84	91.3	--
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	0.00067 J	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Arsenic	mg/L	0.00112 J	<0.001	<0.001	0.00111 J	0.00109 J	<0.001	<0.001	--	<0.001
Barium	mg/L	0.0811	0.0576	0.0241	0.0747	0.0183	0.04	0.00769 J	--	0.00762 J
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003
Chromium	mg/L	0.00266 J	<0.002	<0.002	<0.002	0.00322 J	<0.002	0.00227 J	--	<0.002
Cobalt	mg/L	0.00362 J	0.00305 J	<0.002	0.00308 J	<0.002	<0.002	<0.002	--	<0.002
Combined Radium	pCi/L	0.835	0.0629 U	0.547	0.251 U	-0.109 U	0.293 U	0.529	--	0.497
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-8								
		05/15/2018	10/16/2018	04/16/2019	09/24/2019	03/18/2020	09/21/2020	02/02/2021	08/10/2021	02/16/2022
Appendix III										
Boron	mg/L	<0.02	<0.02	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	4.25	3.21	4.43	7.24	4.51	5.19	4.35	4.47	4.38
Chloride	mg/L	3.3	3.3	3.69	3.21	4.35	3.22	3.85	4.04	4.42
Fluoride	mg/L	0.1	0.09 J	0.143	0.128	0.108	0.125	0.114	0.0924 J	0.0616 J
pH_Field	SU	5.84	5.75	5.76	5.27	5.81	5.75	5.69	5.02	5.8
Sulfate	mg/L	2.5 J	2.4 J	4.53	6.61	4.86	4.69	4.83	3.77	4.68
TDS	mg/L	94.7	76.7	92	109	90.7	94	98.7	101	90.7
Appendix IV										
Antimony	mg/L	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000228	0.00039	0.000278
Barium	mg/L	0.00701 J	0.0094 J	0.00459 J	0.0434	0.00507 J	0.026	0.0068	0.00805	0.00853
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000389 J	0.000579 J	0.000396 J
Cobalt	mg/L	<0.002	<0.002	<0.002	0.00234 J	<0.002	<0.002	0.000384	0.000586	0.000639
Combined Radium	pCi/L	-0.601 U	0.2 U	0.733	0.753	0.465 U	1.25	0.223 U	0.77 U	0.561 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	8.09e-005 J	0.000149 J	<6.8e-005
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00796 J	0.00832 J	0.00763 J
Mercury	mg/L	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	0.000117 J

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-8	MR-AP-MW-22S						MR-AP-MW-22I	
		08/02/2022	10/14/2020	04/20/2021	06/16/2021	09/15/2021	03/16/2022	09/21/2022	10/20/2020	04/20/2021
Appendix III										
Boron	mg/L	<0.03	0.134	0.0628 J	0.0677 J	0.062 J	0.0672 J	0.0663 J	0.173	0.135
Calcium	mg/L	5.28	46.6	79	97.6	97.9	114	127	8.61	3.66
Chloride	mg/L	4.35	163	91.2	128	112	127	127	247	79.8
Fluoride	mg/L	0.0815 J	0.337	0.158	0.231	0.208	0.145	0.124 J	0.311	0.246
pH_Field	SU	5.78	6.84	6.36	6.69	6.88	6.92	6.78	7.68	7.81
Sulfate	mg/L	4.18	184	145	147	146	174	169	36.4	31.4
TDS	mg/L	97.3	730	590	612	662	648	710	780	474
Appendix IV										
Antimony	mg/L	<0.000508	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507
Arsenic	mg/L	0.00016 J	0.00129 J	0.000373	0.000684	0.000381	0.000322	0.000439	0.00319 J	0.00111
Barium	mg/L	0.0116	0.122	0.0638	0.074	0.0635	0.053	0.0493	0.198	0.0624
Beryllium	mg/L	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.000406
Cadmium	mg/L	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005
Chromium	mg/L	0.000629 J	<0.002	<0.000203	0.000281 J	0.00021 J	0.000269 J	0.000228 J	<0.002	<0.000203
Cobalt	mg/L	0.00133	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<6.8e-005
Combined Radium	pCi/L	0.154 U	0.484	0.41 U	0.73 U	0.662 U	0.26 U	1.48	0.679	0.304 U
Lead	mg/L	8.38e-005 J	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<6.8e-005
Lithium	mg/L	0.00769 J	0.172	0.0694	0.0722	0.071	0.0626	0.0657	0.141	0.0728
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.000102	<0.002	0.000515	0.00089	0.0004	0.000243	0.000304	0.00251 J	0.00172

Notes:

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2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-22I				MR-AP-MW-22D				
		06/16/2021	09/15/2021	03/16/2022	09/21/2022	10/26/2020	04/27/2021	06/16/2021	09/14/2021	03/17/2022
Appendix III										
Boron	mg/L	0.134	0.122	0.121	0.114	0.149	0.17	0.171	0.153	0.153
Calcium	mg/L	3.4	2.74	2.73	3.04	49.7	58.1	64.5	64.2	71.2
Chloride	mg/L	85.8	62.1	47.3	96.9	2140	2190	2390	2650	2660
Fluoride	mg/L	0.283	0.28	0.222	0.185	0.142	0.205	0.255	0.156	0.116 J
pH_Field	SU	7.7	8.06	7.94	8.09	7.78	7.88	7.87	8.29	7.96
Sulfate	mg/L	17.1	18.4	24.8	23	7.91	56.7	56.8	30.9	66.2
TDS	mg/L	455	423	391	449	4010	3900	4030	4200	4600
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507	<0.000508	0.000716 J	<0.000508
Arsenic	mg/L	0.000552	0.000474	0.000328	0.000184 J	0.00188 J	0.00645	0.0047	0.00273	0.00354
Barium	mg/L	0.0602	0.0489	0.0387	0.0553	4.33	2.59	2.96	4.49	3.51
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	0.00022 J	0.000268 J	0.000229 J	0.000233 J	<0.002	0.000308 J	0.000678 J	0.000745 J	0.000659 J
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.362 U	0.716 U	1.01 U	1.13	2.3	1.97	2.99	2.3	1.17
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<6.8e-005	7.08e-005 J	<6.8e-005	<6.8e-005
Lithium	mg/L	0.0738	0.0621	0.0469	0.0556	0.344	0.406	0.342	0.46	0.385
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.000887	0.00102	0.00131	0.00098	0.00248 J	0.009	0.0127	0.00811	0.00542

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-	MR-AP-MW-23							GS-AP-MW-
		09/21/2022	03/09/2020	04/09/2020	10/14/2020	05/05/2021	09/15/2021	03/15/2022	09/14/2022	02/20/2019
Appendix III										
Boron	mg/L	0.156	0.756	0.799	0.762	0.765	0.736	0.709	0.734	0.0337 J
Calcium	mg/L	66.9	128	119	123	134	128	117	147	30.6
Chloride	mg/L	2780	2430	2440	2440	2670	2940	2450	2800	3.56
Fluoride	mg/L	0.142	0.419	0.389	0.422	0.409	0.433	0.403	0.41	0.239
pH_Field	SU	7.82	7.6	7.65	7.66	7.7	7.78	7.61	7.59	7.76
Sulfate	mg/L	128	0.908 J	2.01	1.1	1.38	7.45	0.862 J	<0.6	15.2
TDS	mg/L	4470	4720	4670	4840	4620	4630	4680	4870	346
Appendix IV										
Antimony	mg/L	<0.000508	<0.0008	0.00141 J	<0.0008	<0.000507	0.00056 J	0.000896 J	<0.000508	0.00115 J
Arsenic	mg/L	0.00445	<0.001	<0.001	<0.001	0.000426	0.000525	0.000356	0.000125 J	0.0011 J
Barium	mg/L	1.64	11	11.6	12.4	11.9	12.2	11.8	12.3	0.191
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006
Cadmium	mg/L	<6.8e-005	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003
Chromium	mg/L	0.000246 J	<0.002	<0.002	<0.002	0.0011	0.000515 J	<0.000203	<0.000203	<0.002
Cobalt	mg/L	<6.8e-005	<0.002	<0.002	<0.002	0.000185 J	<6.8e-005	<6.8e-005	<6.8e-005	<0.002
Combined Radium	pCi/L	2.06	4.4	--	4.78	6.25	7.07	6.96	6.2	0.398 U
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	0.00019 J	<6.8e-005	<6.8e-005	<6.8e-005	0.00189 J
Lithium	mg/L	0.391	1.18	1.05	1.2	1.13	1.16	0.911	0.924	0.0671
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0132	0.005 J	0.00449 J	0.00351 J	0.00321	0.00282	0.00174	0.000638	0.00577 J

Notes:

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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-17V								MR-AP-MW-
		09/24/2019	03/25/2020	09/23/2020	02/02/2021	08/02/2021	02/14/2022	05/11/2022	08/09/2022	10/14/2020
Appendix III										
Boron	mg/L	0.0532 J	0.0482 J	0.0478 J	0.0396 J	0.0368 J	0.0378 J	--	0.0402 J	0.706
Calcium	mg/L	29.7	31.1	29.3	31.8	33	30.1	--	31.4	118
Chloride	mg/L	3.69	3.72	3.74	3.49	3.12	3.26	--	3.09	2510
Fluoride	mg/L	0.245	0.243	0.278	0.244	0.276	0.237	--	0.245	0.429
pH_Field	SU	7.65	7.63	7.53	7.58	7.65	7.43	--	7.55	7.46
Sulfate	mg/L	11.8	9.69	11.1	8.81	10.2	9.09	--	8.13	5.51
TDS	mg/L	365	364	368	356	333	365	--	344	4620
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	--	<0.000508	<0.0008
Arsenic	mg/L	0.00149 J	<0.001	<0.001	0.000243	0.000135 J	0.000301	--	0.000797	0.0014 J
Barium	mg/L	0.208	0.314	0.299	0.308	0.353	0.278	--	0.292	9.8
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	--	<0.000406	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	--	<6.8e-005	<0.0003
Chromium	mg/L	0.00405 J	<0.002	<0.002	0.000313 J	0.000323 J	0.000231 J	--	0.000272 J	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	--	<6.8e-005	<0.002
Combined Radium	pCi/L	0.373 U	0.0656 U	0.542 U	0.448 U	0.738 U	7.76	0.553 U	0.584 U	4.46
Lead	mg/L	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	--	<6.8e-005	<0.001
Lithium	mg/L	0.0809	0.0646	0.0574	0.0585	0.056	0.0499	--	0.0555	1.17
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	<0.0003	<0.0003
Molybdenum	mg/L	0.00906 J	0.00508 J	0.00664 J	0.00252	0.00206	0.00234	--	0.00298	<0.002

Notes:

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2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-23A					MR-AP-MW-1			
		04/27/2021	06/16/2021	09/15/2021	03/16/2022	09/14/2022	07/25/2016	09/26/2016	11/02/2016	01/11/2017
Appendix III										
Boron	mg/L	0.694	0.697	0.673	0.687	0.633	0.0978 J	0.0625 J	0.067 J	0.0588 J
Calcium	mg/L	125	138	129	131	131	153	122	114	112
Chloride	mg/L	2510	2740	2640	2520	2570	14.1	13.3	12.1	11.6
Fluoride	mg/L	0.363	0.412	0.436	0.394	0.393	0.134 J	0.061 J	0.024 J	<0.01
pH_Field	SU	7.45	7.29	7.53	7.48	7.43	7.52	8.96	8.51	8.5
Sulfate	mg/L	27.9	26.1	26.5	33.5	47	585	480	462	515
TDS	mg/L	4610	4720	4800	4520	4920	1060	852	888	920
Appendix IV										
Antimony	mg/L	0.000758 J	<0.000508	0.000571 J	0.000603 J	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00164	0.0019	0.00416	0.00449	0.00612	0.0046 J	0.00317 J	0.00321 J	0.00286 J
Barium	mg/L	6.89	6.51	6.53	7.21	6.51	0.0656	0.041	0.0578	0.0603
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.000203	0.00065 J	0.0004 J	<0.000203	0.000589 J	0.00711 J	0.0166	0.00481 J	0.00431 J
Cobalt	mg/L	0.000718	0.000678	0.000421	0.00294	0.0004	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	1.21	3.11	2.48	1 U	0.517 U	--	0.499	0.637 U	0.475 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	1.05	0.873	1.04	0.815	0.802	0.187	0.134	0.137	0.137
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.00575	0.00481	0.00349	0.00463	0.00478	0.0108	0.0105	0.0107	0.0101

Notes:

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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-1								
		02/13/2017	03/30/2017	04/03/2017	05/15/2017	06/14/2017	09/19/2017	01/29/2018	05/09/2018	10/09/2018
Appendix III										
Boron	mg/L	0.0561 J	--	0.0631 J	0.0636 J	0.0603 J	0.0559 J	--	0.0437 J	0.0559 J
Calcium	mg/L	132	--	168	104	122	98.6	--	141	94.1
Chloride	mg/L	14	--	11	13	13	13	--	11	12
Fluoride	mg/L	0.13	--	0.15	0.14	0.15	0.17	0.15	0.17	0.19
pH_Field	SU	8.63	8.67	7.63	8.67	8.39	8.78	8.84	8.49	9.04
Sulfate	mg/L	--	470	560	410	450	430	--	460	420
TDS	mg/L	848	--	1000	870	910	824	--	1020	830
Appendix IV										
Antimony	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008
Arsenic	mg/L	0.0024 J	--	0.00232 J	0.00183 J	0.00151 J	--	0.00284 J	0.00109 J	0.00174 J
Barium	mg/L	0.0946	--	0.0996	0.0753	0.0821	--	0.0814	0.116	0.0933
Beryllium	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	--	<0.0002	<0.0002	<0.0002	--	0.000372 J	<0.0003	<0.0003
Chromium	mg/L	0.0061 J	--	0.00215 J	0.0123	0.00558 J	--	0.00287 J	<0.002	0.00248 J
Cobalt	mg/L	<0.002	--	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.0464 U	--	0.335 U	0.409 U	0.261 U	--	0.693	0.413 U	0.338 U
Lead	mg/L	<0.001	--	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Lithium	mg/L	0.187	--	0.225	0.15	0.165	--	0.124	0.166	0.136
Mercury	mg/L	<0.00025	--	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.00994 J	--	0.00788 J	0.00866 J	0.00779 J	--	0.0109	0.00618 J	0.00745 J

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-1								MR-AP-MW-2
		05/01/2019	08/27/2019	03/09/2020	10/19/2020	04/20/2021	09/08/2021	03/15/2022	09/19/2022	07/25/2016
Appendix III										
Boron	mg/L	<0.0609	0.0869 J	0.0747 J	0.0512 J	0.0653 J	0.0505 J	0.0604 J	0.0643 J	0.0922 J
Calcium	mg/L	47.9	165	126	32.6	36.2	78.8	178	182	209
Chloride	mg/L	15	8.75	19.6	16	12.9	10.8	10.4	9.01	5.13
Fluoride	mg/L	0.143	0.159	0.179	0.16	0.165	0.188	0.142	0.164	0.094 J
pH_Field	SU	11.01	7.48	11.95	11.44	9.55	9.19	8.71	8.09	6.03
Sulfate	mg/L	309	639	341	233	305	472	512	548	1340
TDS	mg/L	694	1120	815	530	630	858	897	1060	2040
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006
Arsenic	mg/L	0.00229 J	0.00211 J	0.0058	0.00351 J	0.00225	0.00219	0.0021	0.00247	0.00267 J
Barium	mg/L	0.0672	0.0555	0.0285	0.0295	0.0454	0.101	0.167	0.19	0.0266
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002
Chromium	mg/L	<0.002	0.00336 J	0.0105	0.00527 J	0.00235	0.00143	<0.000203	0.00148	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	0.000113 J	7.8e-005 J	0.000867	0.00108	0.103
Combined Radium	pCi/L	0.312 U	0.696	0.726	0.335 U	0.44 U	0.396 U	0.754 U	0.933 U	0.817
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001
Lithium	mg/L	0.104	0.264	0.123	0.09	0.154	0.179	0.194	0.204	0.163
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025
Molybdenum	mg/L	0.00932 J	0.00563 J	0.0142	0.0116	0.0072	0.00649	0.00568	0.00382	<0.002

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-2								
		09/28/2016	11/01/2016	01/11/2017	02/14/2017	04/04/2017	05/16/2017	06/14/2017	09/20/2017	01/30/2018
Appendix III										
Boron	mg/L	0.126	0.0959 J	0.0976 J	0.147	0.121	0.167	0.159	0.148	--
Calcium	mg/L	240	213	218	244	234	241	241	235	--
Chloride	mg/L	4	4.99	6.72	7.4	8.3	6.6	6	8.3	--
Fluoride	mg/L	0.035 J	<0.01	<0.01	0.05 J	0.07 J	0.07 J	0.06 J	0.12	0.1
pH_Field	SU	5.96	6.02	6.11	6.16	6.1	6.12	6.11	6.16	6.17
Sulfate	mg/L	1680	1430	1550	1500	1700	1500	1700	1400	--
TDS	mg/L	2420	2180	2320	2380	2360	2400	2520	2500	--
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Arsenic	mg/L	0.00163 J	0.00197 J	0.00168 J	0.00175 J	0.00148 J	0.00156 J	0.00154 J	--	0.0013 J
Barium	mg/L	0.0246	0.0186	0.0157	0.0183	0.016	0.0162	0.016	--	0.016
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Cadmium	mg/L	0.000219 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Cobalt	mg/L	0.108	0.0813	0.0669	0.084	0.0829	0.0815	0.077	--	0.0499
Combined Radium	pCi/L	0.336 U	0.00962 U	0.844	0.444 U	0.379 U	0.37 U	0.875	--	1.11
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Lithium	mg/L	0.197	0.172	0.19	0.292	0.292	0.25	0.237	--	0.222
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-2								
		05/09/2018	10/09/2018	05/01/2019	08/27/2019	03/03/2020	10/21/2020	04/26/2021	09/14/2021	03/16/2022
Appendix III										
Boron	mg/L	0.145	0.15	0.24	0.192	0.167	0.316	0.173	0.188	0.165
Calcium	mg/L	246	272	272	251	278	212	252	226	240
Chloride	mg/L	8.7	8	5.04	7.95	8.59	9.47	9.31	5.88	6.88
Fluoride	mg/L	0.13	0.1	0.108	0.19	0.262	0.236	0.406	0.24	0.268
pH_Field	SU	5.92	6.21	6.25	6.25	6.27	6.29	6.33	6.58	6.14
Sulfate	mg/L	1300	1500	1580	1570	1690	1360	1580	1690	1630
TDS	mg/L	2040	2460	2370	2470	2520	2190	2560	2400	2420
Appendix IV										
Antimony	mg/L	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	0.00121 J	0.00156 J	0.0039 J	0.00194 J	0.00238 J	0.00346 J	0.00346	0.0043	0.00381
Barium	mg/L	0.0143	0.0136	0.0164	0.0177	0.0172	0.0185	0.0167	0.0197	0.0153
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00021 J	0.000513 J	<0.000203
Cobalt	mg/L	0.0534	0.0525	0.0642	0.0498	0.0471	0.0368	0.0358	0.0515	0.0444
Combined Radium	pCi/L	0.301 U	1.04	0.29 U	0.615	0.361 U	0.448 U	0.378 U	0.96 U	0.589 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.237	0.25	0.228	0.257	0.269	0.217	0.268	0.27	0.211
Mercury	mg/L	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.00458 J	0.0018	0.0021	0.00207

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-2	MR-AP-MW-3S							
		09/26/2022	07/19/2016	09/26/2016	10/31/2016	01/09/2017	02/13/2017	03/29/2017	04/03/2017	05/16/2017
Appendix III										
Boron	mg/L	0.153	0.195	0.179	0.19	0.196	0.187	--	0.192	0.178
Calcium	mg/L	245	5.63	4.28	4.04	4.15	4.38	--	4.45	4.23
Chloride	mg/L	5.2	25	23.6	24.4	24.3	28	--	31	31
Fluoride	mg/L	0.211	0.217 J	0.192 J	0.157 J	0.115 J	0.27	--	0.25	0.24
pH_Field	SU	6.37	8.95	9.13	9.04	9.62	9.43	9.04	9.18	9.11
Sulfate	mg/L	1570	237	105	94.9	131	--	160	180	160
TDS	mg/L	2350	704	594	572	608	584	--	606	608
Appendix IV										
Antimony	mg/L	<0.000508	0.000787 J	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	0.00401	0.00172 J	0.00246 J	0.00224 J	0.00251 J	0.00179 J	--	0.00128 J	0.00124 J
Barium	mg/L	0.0164	0.083	0.0616	0.073	0.0791	0.101	--	0.109	0.108
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chromium	mg/L	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Cobalt	mg/L	0.0522	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Combined Radium	pCi/L	0.479 U	-0.019 U	0.488 U	0.147 U	0.288 U	0.226 U	--	-0.154 U	0.303 U
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
Lithium	mg/L	0.221	0.186	0.149	0.161	0.156	0.244	--	0.25	0.199
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.00142	0.0307	0.0341	0.028	0.0303	0.0295	--	0.0261	0.0281

Notes:

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2. pCi/L - picocuries per Liter
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3S								
		06/12/2017	09/20/2017	01/29/2018	05/10/2018	10/09/2018	04/22/2019	08/27/2019	03/03/2020	10/13/2020
Appendix III										
Boron	mg/L	0.181	0.188	--	0.183	0.202	0.183 J	0.209	0.217	0.271
Calcium	mg/L	4.14	3.88	--	3.79	3.78	16.8	9.68	9.94	6.81
Chloride	mg/L	32	30	--	34	32	242	145	177	96.3
Fluoride	mg/L	0.26	0.26	0.31	0.31	0.33	0.335	0.294	0.286	0.311
pH_Field	SU	9.54	9.69	9.76	9.44	9.34	9.17	9.23	9.4	9.04
Sulfate	mg/L	160	140	--	120	130	249	248	298	236
TDS	mg/L	644	592	--	606	536	930	837	953	793
Appendix IV										
Antimony	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0008	0.00126 J	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.0018 J	--	0.00264 J	0.00262 J	0.00206 J	0.00275 J	0.00222 J	0.00199 J	<0.001
Barium	mg/L	0.0919	--	0.118	0.133	0.121	0.447	0.395	0.347	0.22
Beryllium	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.645	--	0.627	-0.0676 U	0.571	0.678	1.17	0.821	-0.0678 U
Lead	mg/L	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.188	--	0.164	0.183	0.175	0.243	0.246	0.294	0.347
Mercury	mg/L	<0.00025	--	<0.00025	<0.00025	<0.00025	0.000318 J	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0298	--	0.037	0.0331	0.0377	0.068	0.0557	0.0648	0.0517

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3S				MR-AP-MW-3D				
		05/05/2021	09/07/2021	03/16/2022	09/19/2022	07/19/2016	09/26/2016	10/31/2016	01/09/2017	02/13/2017
Appendix III										
Boron	mg/L	0.281	0.276	0.276	0.265	0.527	0.54	0.586	0.584	0.567
Calcium	mg/L	7.04	6.69	5.25	4.9	296	269	266	282	268
Chloride	mg/L	76.5	78.6	79.4	70.9	52.7	50.6	52.6	51.4	56
Fluoride	mg/L	0.291	0.361	0.309	0.304	0.268 J	0.213 J	0.158 J	0.109 J	0.29
pH_Field	SU	9.1	8.84	9.05	8.73	6.72	6.76	6.72	6.73	6.73
Sulfate	mg/L	224	243	227	159	900	814	800	833	--
TDS	mg/L	748	706	698	644	1530	1480	1430	1500	1380
Appendix IV										
Antimony	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	0.000725 J	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.000735	0.000878	0.000674	0.000783	0.0105	0.0106	0.0111	0.0119	0.0122
Barium	mg/L	0.149	0.17	0.154	0.146	0.032	0.0222	0.0235	0.0229	0.0259
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	0.000646 J	0.000417 J	0.000339 J	0.000343 J	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	0.00796 J	0.00839 J	0.00889 J	0.00787 J	0.00873 J
Combined Radium	pCi/L	0.195 U	0.0456 U	0.207 U	0.714 U	0.251 U	0.638	0.521 U	0.744	-0.0115 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.358	0.347	0.262	0.261	0.128	0.12	0.128	0.124	0.167
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.0449	0.0511	0.0494	0.0497	0.0216	0.0226	0.0209	0.0219	0.0235

Notes:

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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3D								
		03/29/2017	04/03/2017	05/16/2017	06/12/2017	09/20/2017	01/29/2018	05/10/2018	10/09/2018	04/29/2019
Appendix III										
Boron	mg/L	--	0.527	0.477	0.491	0.505	--	0.425	0.471	0.407
Calcium	mg/L	--	282	234	232	211	--	219	242	186
Chloride	mg/L	--	55	55	57	43	--	37	41	40.7
Fluoride	mg/L	--	0.28	0.3	0.29	0.35	0.35	0.37	0.39	0.343
pH_Field	SU	6.68	6.73	6.71	6.79	6.8	6.82	6.79	6.8	6.81
Sulfate	mg/L	760	860	630	710	590	--	540	700	484
TDS	mg/L	--	1370	1300	1300	1180	--	1060	1220	956
Appendix IV										
Antimony	mg/L	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	0.00118 J
Arsenic	mg/L	--	0.0115	0.0103	0.0108	--	0.0119	0.0111	0.01	0.0108
Barium	mg/L	--	0.0244	0.0229	0.0246	--	0.0282	0.0243	0.0234	0.0404
Beryllium	mg/L	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	--	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	--	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	--	0.00861 J	0.00736 J	0.00684 J	--	0.00548 J	0.00529 J	0.00683	0.00555
Combined Radium	pCi/L	--	0.0879 U	0.137 U	0.589	--	0.634	0.147 U	0.693	0.0878 U
Lead	mg/L	--	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	--	0.163	0.12	0.119	--	0.11	0.112	0.123	0.104
Mercury	mg/L	--	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003
Molybdenum	mg/L	--	0.0238	0.0232	0.0226	--	0.0236	0.0219	0.0228	0.0265

Notes:

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2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3D							MR-AP-MW-4	
		08/27/2019	03/03/2020	10/13/2020	05/05/2021	09/07/2021	03/16/2022	09/19/2022	07/19/2016	09/27/2016
Appendix III										
Boron	mg/L	0.443	0.422	0.492	0.451	0.499	0.431	0.381	0.496	0.514
Calcium	mg/L	189	170	162	153	158	116	145	333	320
Chloride	mg/L	34.7	29.1	25.9	21	21.2	15	13.3	40.8	47.1
Fluoride	mg/L	0.361	0.397	0.362	0.351	0.433	0.388	0.341	0.252 J	0.209 J
pH_Field	SU	6.84	6.85	6.9	6.9	6.86	7.04	6.77	5.82	5.85
Sulfate	mg/L	529	488	473	501	513	352	352	981	958
TDS	mg/L	960	840	937	883	924	698	756	1520	1540
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006
Arsenic	mg/L	0.0111	0.0118	0.015	0.0116	0.011	0.0107	0.0128	<0.001	<0.001
Barium	mg/L	0.0334	0.0304	0.0293	0.0247	0.0259	0.0247	0.0339	0.0165	0.0139
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	0.000302 J	0.00021 J
Chromium	mg/L	<0.002	<0.002	<0.002	<0.000203	0.000269 J	0.000327 J	0.000248 J	<0.002	<0.002
Cobalt	mg/L	0.00562	0.00456 J	0.00555	0.00451	0.00455	0.00345	0.0038	0.0427	0.0401
Combined Radium	pCi/L	0.491 U	0.258 U	-0.209 U	1.06 U	0.332 U	0.257 U	0.804 U	0.621	0.529 U
Lead	mg/L	<0.001	<0.001	<0.001	8.4e-005 J	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001
Lithium	mg/L	0.115	0.11	0.121	0.116	0.12	0.0902	0.101	0.105	0.0988
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025
Molybdenum	mg/L	0.026	0.024	0.0265	0.0243	0.0254	0.0266	0.0264	<0.002	<0.002

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4								
		11/01/2016	01/09/2017	02/13/2017	03/30/2017	04/04/2017	05/16/2017	06/12/2017	09/20/2017	01/29/2018
Appendix III										
Boron	mg/L	0.571	0.572	0.565	--	0.536	0.482	0.478	0.506	--
Calcium	mg/L	305	329	291	--	287	279	258	249	--
Chloride	mg/L	49.7	48.8	46	--	50	50	52	45	--
Fluoride	mg/L	0.163 J	0.13 J	0.28	--	0.27	0.28	0.27	0.31	0.28
pH_Field	SU	5.79	5.83	5.78	5.73	5.7	5.72	5.83	5.86	5.86
Sulfate	mg/L	933	896	--	930	870	780	790	710	--
TDS	mg/L	1510	1510	1460	--	1270	1420	1380	1270	--
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006
Arsenic	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	--	<0.001
Barium	mg/L	0.0141	0.0144	0.0145	--	0.013	0.0121	0.0133	--	0.0137
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006
Cadmium	mg/L	0.000239 J	0.000248 J	0.00031 J	--	0.000241 J	0.000266 J	0.000272 J	--	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	--	<0.002
Cobalt	mg/L	0.0374	0.0291	0.0368	--	0.0348	0.0379	0.0376	--	0.0171
Combined Radium	pCi/L	0.142 U	0.54 U	0.764	--	-0.136 U	0.247 U	0.6	--	0.786
Lead	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	--	<0.001
Lithium	mg/L	0.104	0.102	0.136	--	0.134	0.1	0.0992	--	0.0852
Mercury	mg/L	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	--	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	--	<0.002

Notes:

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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4								
		05/09/2018	10/08/2018	04/29/2019	08/27/2019	03/04/2020	10/14/2020	04/26/2021	09/01/2021	03/15/2022
Appendix III										
Boron	mg/L	0.433	0.503	0.45	0.495	0.431	0.46	0.412	0.46	0.423
Calcium	mg/L	212	245	259	252	210	194	193	213	177
Chloride	mg/L	39	41	40.8	42.3	40.1	30.8	24.8	24.6	19
Fluoride	mg/L	0.28	0.32	0.228	0.237	0.221	0.251	0.204	0.281	0.154
pH_Field	SU	5.85	5.86	5.91	6.04	5.96	5.93	5.75	5.76	6.27
Sulfate	mg/L	600	650	770	670	604	527	554	637	475
TDS	mg/L	1040	1180	1150	1120	904	934	930	1050	800
Appendix IV										
Antimony	mg/L	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000368	0.000402	0.000139 J
Barium	mg/L	0.0142	0.0119	0.0148	0.014	0.0137	0.0127	0.0115	0.0129	0.0135
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	7.3e-005 J	7.63e-005 J	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000203	0.000292 J	<0.000203
Cobalt	mg/L	0.0128	0.011	0.0201	0.0157	0.0119	0.0117	0.00667	0.00719	0.0039
Combined Radium	pCi/L	-0.00808 U	0.311 U	0.039 U	0.533	0.31 U	0.434 U	0.394 U	0.238 U	0.285 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.0926	0.0877	0.0738	0.0741	0.0851	0.0651	0.0758	0.0716	0.0553
Mercury	mg/L	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	8.18e-005 J	7.03e-005 J	0.00011 J

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4	MR-AP-MW-5							
		09/26/2022	07/26/2016	09/28/2016	11/02/2016	01/10/2017	02/14/2017	04/03/2017	05/17/2017	06/12/2017
Appendix III										
Boron	mg/L	0.36	0.873	0.857	0.909	0.915	0.932	0.932	0.953	0.854
Calcium	mg/L	179	315	324	305	319	341	329	296	263
Chloride	mg/L	17.3	39.1	40.9	44.1	45.2	44	48	53	53
Fluoride	mg/L	0.22	0.296 J	0.224 J	0.164 J	0.114 J	0.31	0.3	0.29	0.29
pH_Field	SU	6.05	7.01	7.06	7.02	7.17	7.01	7.09	7	7.08
Sulfate	mg/L	393	1040	1020	1000	995	950	1100	930	940
TDS	mg/L	694	1630	1600	1640	1660	1600	1600	1630	1770
Appendix IV										
Antimony	mg/L	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.000331	0.0112	0.00955	0.0129	0.0135	0.0141	0.0141	0.0138	0.0118
Barium	mg/L	0.0149	0.0158	0.0153	0.0154	0.015	0.017	0.0148	0.0149	0.0154
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	0.000278 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	0.00501	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.525 U	0.205 U	0.403 U	0.483 U	0.687	0.5 U	0.637	0.421 U	0.353 U
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0693	0.249	0.223	0.229	0.227	0.315	0.307	0.247	0.237
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.000102	0.0718	0.0638	0.0665	0.067	0.0735	0.0719	0.0733	0.0655

Notes:

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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-5								
		09/18/2017	01/31/2018	05/09/2018	10/08/2018	04/23/2019	08/28/2019	03/02/2020	10/21/2020	05/03/2021
Appendix III										
Boron	mg/L	0.921	--	0.851	0.833	0.846	0.852	0.851	0.847	0.864
Calcium	mg/L	292	--	265	290	329	279	267	242	249
Chloride	mg/L	45	--	45	44	43.8	47.1	42.1	35.8	31.1
Fluoride	mg/L	0.37	0.35	0.36	0.43	0.428	0.385	0.382	0.427	0.388
pH_Field	SU	7.09	7.13	7.03	7.26	7.03	7.08	7.18	7.07	6.96
Sulfate	mg/L	830	--	790	820	898	818	859	669	752
TDS	mg/L	1530	--	1430	1300	1370	1370	1270	1190	1220
Appendix IV										
Antimony	mg/L	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	--	0.0142	0.0114	0.0109	0.0117	0.0107	0.0122	0.0145	0.0111
Barium	mg/L	--	0.0162	0.0144	0.0149	0.0159	0.0158	0.0155	0.0173	0.015
Beryllium	mg/L	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005
Chromium	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000203
Cobalt	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005
Combined Radium	pCi/L	--	0.38 U	0.515 U	0.921	1.12	0.81	0.407 U	-0.12 U	0.646 U
Lead	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005
Lithium	mg/L	--	0.221	0.238	0.232	0.228	0.237	0.237	0.193	0.228
Mercury	mg/L	--	<0.00025	<0.00025	<0.00025	0.0004 J	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	--	0.076	0.061	0.0686	0.0722	0.0709	0.0725	0.0877	0.0726

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-5			MR-AP-PZ-5					
		09/08/2021	03/14/2022	09/20/2022	07/26/2016	09/28/2016	11/02/2016	01/12/2017	02/13/2017	03/30/2017
Appendix III										
Boron	mg/L	0.843	0.891	0.915	0.434	0.454	0.46	0.471	0.473	--
Calcium	mg/L	245	258	265	52.8	246.4	61.3	47.7	54	--
Chloride	mg/L	28.7	26.5	23.1	30.5	31.1	30.2	29.8	33	--
Fluoride	mg/L	0.419	0.405	0.384	1.05	0.799	0.627	0.609	0.88	--
pH_Field	SU	7.08	6.92	7.03	7.88	7.8	7.86	7.9	7.86	8.06
Sulfate	mg/L	757	792	866	487	422	345	281	--	160
TDS	mg/L	1210	1190	1140	1040	1000	920	812	832	--
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	0.000701 J	0.00166 J	--
Arsenic	mg/L	0.0112	0.00988	0.00871	0.00314 J	0.00629	0.00438 J	0.0039 J	0.00443 J	--
Barium	mg/L	0.0174	0.0162	0.0161	0.11	0.0644	0.0781	0.0582	0.0612	--
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chromium	mg/L	0.000274 J	<0.000203	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.002	--
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<0.002	<0.002	--
Combined Radium	pCi/L	0.745 U	0.571 U	0.714 U	0.331 U	0.556 U	0.217 U	0.432 U	0.279 U	--
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	--
Lithium	mg/L	0.229	0.184	0.2	0.228	0.158	0.179	0.166	0.243	--
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--
Molybdenum	mg/L	0.0733	0.0773	0.0844	0.0122	0.00843 J	0.00605 J	0.0049 J	0.00784 J	--

Notes:

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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-PZ-5								
		04/03/2017	05/17/2017	06/12/2017	09/18/2017	01/31/2018	05/09/2018	10/08/2018	04/23/2019	08/29/2019
Appendix III										
Boron	mg/L	0.424	0.462	0.418	0.428	--	0.406	0.42	0.372	0.319
Calcium	mg/L	28.7	26.7	26.3	20.2	--	13.8	11.1	11.9	14.2
Chloride	mg/L	32	37	34	36	--	31	32	24.9	28.5
Fluoride	mg/L	1.1	1	1.1	1.1	1	1.1	1.3	1.33	2.07
pH_Field	SU	8	7.99	7.91	8.04	8.23	8.6	8.31	8.18	8.26
Sulfate	mg/L	190	190	150	86	--	29	4.7 J	8.17	92
TDS	mg/L	710	718	724	616	--	486	464	478	734
Appendix IV										
Antimony	mg/L	0.0008 J	0.000975 J	0.00107 J	--	<0.0006	0.00103 J	<0.0008	0.0009 J	<0.0008
Arsenic	mg/L	0.00206 J	0.00306 J	0.00203 J	--	0.00181 J	0.00291 J	0.00166 J	<0.001	0.00123 J
Barium	mg/L	0.166	0.11	0.127	--	0.144	0.131	0.111	0.176	0.25
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.195 U	0.569 U	0.48 U	--	0.851	0.171 U	0.44 U	0.267 U	0.355 U
Lead	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.216	0.177	0.161	--	0.133	0.139	0.137	0.134	0.164
Mercury	mg/L	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	0.000311 J	<0.0003
Molybdenum	mg/L	0.00474 J	0.00447 J	0.003 J	--	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-PZ-5						MR-AP-MW-6		
		03/02/2020	10/21/2020	05/03/2021	09/08/2021	03/14/2022	09/20/2022	07/26/2016	09/28/2016	11/01/2016
Appendix III										
Boron	mg/L	0.328	0.328	0.271	0.271	0.249	0.243	0.835	0.807	0.838
Calcium	mg/L	10.3	7.36	9.36	7.63	6.95	6.51	135	141	137
Chloride	mg/L	29.5	23.9	17.9	36.7	30.7	22.2	24.8	24.9	26
Fluoride	mg/L	1.9	1.89	2.38	2.27	2.28	2.39	0.108 J	0.054 J	<0.01
pH_Field	SU	8.34	8.16	8.32	8.34	8.47	8.07	5.98	6	6
Sulfate	mg/L	19.8	7.39	48.2	33.4	51.7	34.6	532	540	521
TDS	mg/L	594	594	762	690	748	746	868	884	862
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.0013 J	0.00137 J	0.000109 J	0.000213	8.82e-005 J	0.00031	<0.001	<0.001	<0.001
Barium	mg/L	0.165	0.166	0.248	0.236	0.267	0.227	0.0266	0.0261	0.0265
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.000203	0.000205 J	0.00024 J	<0.000203	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	0.0648	0.0673	0.0605
Combined Radium	pCi/L	0.213 U	0.0492 U	0.328 U	1.16 U	0.253 U	0.47 U	0.459 U	0.0516 U	0.279 U
Lead	mg/L	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001
Lithium	mg/L	0.147	0.127	0.177	0.17	0.133	0.138	0.0874	0.0812	0.0841
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	0.000438	0.000294	0.000308	0.000138 J	0.00707 J	0.00623 J	0.0059 J

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-6								
		01/09/2017	02/13/2017	03/29/2017	04/03/2017	05/16/2017	06/12/2017	09/18/2017	01/31/2018	05/09/2018
Appendix III										
Boron	mg/L	0.848	0.869	--	0.881	0.81	0.832	0.864	--	0.878
Calcium	mg/L	140	141	--	141	145	144	144	--	150
Chloride	mg/L	25.1	28	--	29	30	31	29	--	32
Fluoride	mg/L	<0.01	0.08 J	--	0.07 J	0.09 J	0.1	0.11	0.1	0.09 J
pH_Field	SU	6.04	6.04	6.01	6.02	5.92	5.99	6.04	6.05	6.01
Sulfate	mg/L	543	--	540	550	490	560	510	--	500
TDS	mg/L	918	896	--	852	924	928	908	--	908
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	<0.001	<0.001	--	<0.001	<0.001	<0.001	--	<0.001	<0.001
Barium	mg/L	0.0256	0.0286	--	0.0253	0.0268	0.026	--	0.0264	0.0242
Beryllium	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	--	<0.002	<0.002
Cobalt	mg/L	0.0504	0.065	--	0.0701	0.0725	0.0656	--	0.0564	0.0641
Combined Radium	pCi/L	0.114 U	-0.0383 U	--	0.429 U	0.0754 U	0.506	--	0.433 U	0.106 U
Lead	mg/L	<0.001	<0.001	--	<0.001	<0.001	<0.001	--	<0.001	<0.001
Lithium	mg/L	0.0842	0.101	--	0.102	0.0778	0.0784	--	0.0732	0.079
Mercury	mg/L	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.00476 J	0.00615 J	--	0.00623 J	0.00662 J	0.00613 J	--	0.00656 J	0.00525 J

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-6								
		10/08/2018	04/23/2019	08/28/2019	03/03/2020	10/20/2020	04/28/2021	09/01/2021	03/16/2022	09/21/2022
Appendix III										
Boron	mg/L	0.905	0.862	0.906	0.895	0.947	0.923	0.918	0.887	0.851
Calcium	mg/L	150	167	148	155	148	172	160	160	183
Chloride	mg/L	33	33	32.5	35.3	34	36.7	34	33.2	31.9
Fluoride	mg/L	0.13	0.167	0.105	0.121	0.109	0.183	0.0995 J	0.155	<0.06
pH_Field	SU	6.1	6.06	5.98	6.11	6.15	6.1	6.28	6.07	6.08
Sulfate	mg/L	490	638	609	600	513	551	576	587	535
TDS	mg/L	882	882	903	926	876	937	973	894	914
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.000104 J	7.25e-005 J	0.000107 J	<8.1e-005
Barium	mg/L	0.023	0.0256	0.0269	0.0257	0.0252	0.0241	0.0256	0.024	0.0217
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000203	0.000249 J	<0.000203	0.000246 J
Cobalt	mg/L	0.0616	0.0471	0.0283	0.0186	0.00675	0.00574	0.00477	0.00422	0.00612
Combined Radium	pCi/L	0.612	0.356	0.268 U	0.177 U	0.321 U	0.156 U	0.132 U	0.199 U	0.398 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.077	0.0822	0.0853	0.0877	0.0785	0.0865	0.0864	0.0714	0.0774
Mercury	mg/L	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00565 J	0.00479 J	0.00285 J	0.00282 J	<0.002	0.00135	0.00174	0.00148	0.00202

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7SR					MR-AP-MW-7DR			
		10/20/2020	04/27/2021	09/01/2021	03/08/2022	09/20/2022	10/20/2020	04/27/2021	09/01/2021	03/08/2022
Appendix III										
Boron	mg/L	0.726	0.708	0.72	0.7	0.695	0.745	0.758	0.768	0.759
Calcium	mg/L	92.8	89.7	92.1	93.3	110	121	125	126	124
Chloride	mg/L	22.9	23.1	23.4	24.3	22.9	43.2	51	54.7	54.3
Fluoride	mg/L	0.222	0.242	0.245	0.223	0.177	0.122	0.126	0.16	<0.06
pH_Field	SU	6.54	6.56	6.57	6.61	6.5	6.78	6.8	6.77	6.81
Sulfate	mg/L	268	288	279	279	281	384	390	398	407
TDS	mg/L	588	624	646	598	638	818	798	838	798
Appendix IV										
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	0.00251 J	0.00254	0.0022	0.00174	0.00182	0.00547	0.00188	0.000979	0.000655
Barium	mg/L	0.0466	0.0421	0.043	0.0403	0.0384	0.0331	0.0262	0.028	0.0258
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	0.000219 J	0.000255 J	0.00023 J	0.000211 J	<0.002	<0.000203	0.000296 J	<0.000203
Cobalt	mg/L	<0.002	0.000826	0.000776	0.00071	0.000748	<0.002	<6.8e-005	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.398 U	0.846 U	0.627 U	0.649 U	0.445 U	0.197 U	0.334 U	1.4	0.263 U
Lead	mg/L	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.143	0.156	0.16	0.136	0.155	0.12	0.13	0.13	0.101
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0356	0.0324	0.0351	0.0333	0.0311	0.00424 J	0.00393	0.00458	0.00523

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-	MR-AP-MW-9SR					MR-AP-MW-9DR		
		09/20/2022	10/15/2020	04/27/2021	09/01/2021	03/08/2022	09/21/2022	10/15/2020	04/27/2021	09/01/2021
Appendix III										
Boron	mg/L	0.746	0.11	0.138	0.144	0.124	0.0926 J	<0.03	<0.03	<0.03
Calcium	mg/L	152	99.8	96.5	96.8	99.1	149	98.7	97.8	95.5
Chloride	mg/L	61.6	12.5	9.96	10.9	8.44	5.58	6.21	6.72	6.69
Fluoride	mg/L	<0.06	0.114	0.125	0.162	0.125	0.0775 J	0.129	0.149	0.197
pH_Field	SU	6.69	6.42	6.36	6.33	6.28	6.49	6.67	6.68	6.66
Sulfate	mg/L	414	339	342	335	349	305	303	329	314
TDS	mg/L	824	686	634	658	614	734	654	646	636
Appendix IV										
Antimony	mg/L	<0.000508	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	0.000694	0.0016 J	0.00112	0.000904	0.000786	0.000807	<0.001	0.000587	0.000564
Barium	mg/L	0.0287	0.0274	0.0184	0.0172	0.0169	0.0187	0.0408	0.0368	0.0394
Beryllium	mg/L	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.000203	<0.002	0.000204 J	0.000308 J	0.000204 J	<0.000203	<0.002	0.000284 J	0.000297 J
Cobalt	mg/L	<6.8e-005	<0.002	0.000331	0.000161 J	0.000216	0.000115 J	<0.002	0.000206	0.000107 J
Combined Radium	pCi/L	0.872 U	0.222 U	0.157 U	0.272 U	0.447 U	0.391 U	0.897	0.699 U	0.667 U
Lead	mg/L	<6.8e-005	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.108	0.0413	0.045	0.0464	0.0395	0.0421	0.0815	0.0818	0.0827
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00634	0.00213 J	0.0015	0.000468	0.000268	0.000302	<0.002	0.00031	0.000345

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9DR		MR-AP-MW-13SR					MR-AP-MW-13DR	
		03/08/2022	09/21/2022	10/20/2020	04/21/2021	09/07/2021	03/09/2022	09/19/2022	10/20/2020	04/21/2021
Appendix III										
Boron	mg/L	<0.03	0.213	0.0541 J	0.0404 J	0.0429 J	0.0425 J	0.0394 J	0.0304 J	0.0561 J
Calcium	mg/L	86.5	216	35.9	98.6	105	96.8	81.4	46.7	63.9
Chloride	mg/L	7.08	8.42	10.6	5.3	4.94	4.71	4.02	13.8	40.5
Fluoride	mg/L	0.11 J	0.178	0.434	0.402	0.532	0.573	0.407	0.146	0.134
pH_Field	SU	6.75	6.71	6.28	6.19	5.98	6.05	5.65	6.81	6.87
Sulfate	mg/L	296	665	285	610	871	902	714	65.8	151
TDS	mg/L	594	1230	604	1040	1310	1300	1100	314	518
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507
Arsenic	mg/L	0.000735	0.000632	<0.001	0.00109	0.0013	0.00154	0.00166	<0.001	0.000396
Barium	mg/L	0.0393	0.0188	0.0466	0.0286	0.0277	0.0216	0.019	0.144	0.104
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.000406	0.00166	0.00251	0.00241	<0.0006	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	9.6e-005 J	0.000378	<0.0003	<6.8e-005
Chromium	mg/L	<0.000203	0.000301 J	<0.002	0.000239 J	0.000339 J	0.000675 J	0.000252 J	<0.002	0.000207 J
Cobalt	mg/L	0.000128 J	0.000116 J	0.0112	0.0523	0.0816	0.0824	0.0931	<0.002	0.00086
Combined Radium	pCi/L	0.145 U	1.24	0.479 U	1.13	1.24 U	1.28	1.11 U	0.357 U	0.748 U
Lead	mg/L	<6.8e-005	<6.8e-005	<0.001	<6.8e-005	<6.8e-005	0.000112 J	0.000201 J	<0.001	0.000121 J
Lithium	mg/L	0.0679	0.0642	0.0475	0.0237	0.0258	0.0215	0.0278	0.0343	0.0356
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00106	0.00025	0.00311 J	0.00029	0.000166 J	0.000137 J	0.000105 J	0.00206 J	0.00592

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13DR			MR-AP-MW-14R					MR-AP-MW-15
		09/07/2021	03/09/2022	09/19/2022	10/20/2020	04/21/2021	09/13/2021	03/09/2022	09/26/2022	07/19/2016
Appendix III										
Boron	mg/L	0.0476 J	0.0558 J	0.0486 J	0.0773 J	0.101 J	0.0831 J	0.083 J	0.0747 J	0.15
Calcium	mg/L	64.9	70.3	77.5	36.4	35.7	38	36.6	37.5	37
Chloride	mg/L	40.2	45.8	45	7.55	7.77	7.9	7.96	7.67	16.9
Fluoride	mg/L	0.183	0.179	0.156	0.177	0.166	0.171	0.188	0.215	0.111 J
pH_Field	SU	6.77	6.97	7.07	6.46	6.49	6.3	6.53	6.49	6.55
Sulfate	mg/L	167	210	179	39.3	43.1	48.8	48.7	48.7	69.3
TDS	mg/L	494	574	542	219	232	240	217	227	255
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006
Arsenic	mg/L	0.000413	0.000659	0.000629	<0.001	0.000288	0.000239	0.000186 J	0.000156 J	<0.001
Barium	mg/L	0.0749	0.0575	0.0579	0.116	0.0998	0.104	0.102	0.0968	0.125
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002
Chromium	mg/L	0.000306 J	<0.000203	0.000647 J	<0.002	0.000239 J	0.000377 J	<0.000203	0.000209 J	<0.002
Cobalt	mg/L	0.000719	0.000656	0.00092	<0.002	6.88e-005 J	<6.8e-005	<6.8e-005	<6.8e-005	<0.002
Combined Radium	pCi/L	0.822 U	0.284 U	0.762 U	-0.128 U	0.164 U	0.387 U	0.417 U	1 U	0.191 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	8.49e-005 J	<0.001
Lithium	mg/L	0.0357	0.031	0.0361	0.0207	0.0211	0.0212	0.0193 J	0.0204	0.0199 J
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025
Molybdenum	mg/L	0.00355	0.00325	0.00278	<0.002	0.000157 J	8.93e-005 J	<0.000102	<0.000102	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-15								
		09/26/2016	10/31/2016	01/09/2017	02/14/2017	04/04/2017	05/16/2017	06/12/2017	09/19/2017	01/31/2018
Appendix III										
Boron	mg/L	0.175	0.204	0.192	0.161	0.147	0.168	0.18	0.192	--
Calcium	mg/L	37.5	38.4	37.8	39.2	37.5	40.4	38.4	37.8	--
Chloride	mg/L	17.1	17.3	17.2	20	19	20	21	19	--
Fluoride	mg/L	0.069 J	0.018 J	<0.01	0.1	0.1	0.1	0.1	0.12	0.1
pH_Field	SU	6.55	6.49	6.46	6.47	6.38	6.46	6.41	6.5	6.5
Sulfate	mg/L	74.7	80.6	77.9	68	71	62	77	72	--
TDS	mg/L	259	265	276	246	257	283	266	266	--
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Barium	mg/L	0.131	0.101	0.0952	0.106	0.0962	0.1	0.08	--	0.07
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Combined Radium	pCi/L	0.663	0.608	-0.0687 U	0.459 U	0.327 U	0.232 U	0.123 U	--	0.516
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Lithium	mg/L	0.0206 J	0.021 J	0.0201 J	0.022 J	0.0216 J	0.021 J	0.0181 J	--	0.0169 J
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-15								
		05/07/2018	10/09/2018	04/24/2019	08/28/2019	03/04/2020	10/13/2020	04/26/2021	09/01/2021	03/09/2022
Appendix III										
Boron	mg/L	0.258	0.237	0.243	0.863	0.285	0.375	0.651	0.705	0.445
Calcium	mg/L	38.4	38.2	39	53.8	39.3	41.4	48.3	47.8	40.3
Chloride	mg/L	20	20	18.3	19.3	18.5	17.5	17.9	17.5	17.6
Fluoride	mg/L	0.11	0.13	0.133	0.0974 J	0.111	0.125	0.117	0.118	0.165
pH_Field	SU	6.42	6.46	6.46	6.38	6.43	6.42	6.36	6.16	6.37
Sulfate	mg/L	77	76	91.9	227	93.9	107	157	163	123
TDS	mg/L	264	239	234	397	269	280	352	359	263
Appendix IV										
Antimony	mg/L	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000665	0.000827	0.000376
Barium	mg/L	0.071	0.0588	0.0765	0.0424	0.0544	0.0522	0.0308	0.0298	0.026
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000203	0.000328 J	0.000279 J
Cobalt	mg/L	<0.002	<0.002	<0.002	0.0021 J	<0.002	<0.002	0.000703	0.000661	0.000681
Combined Radium	pCi/L	0.615	0.825	0.373	0.00424 U	0.337 U	0.232 U	0.643 U	0.37 U	0.387 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.0187 J	0.019 J	<0.0203	0.0199 J	0.0195 J	0.0195 J	0.0194 J	0.0196 J	0.0173 J
Mercury	mg/L	<0.00025	<0.00025	0.000316 J	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	8.49e-005 J	0.000114 J

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-15	MR-AP-MW-16							
		09/20/2022	07/19/2016	09/26/2016	10/31/2016	01/09/2017	02/14/2017	04/03/2017	05/16/2017	06/12/2017
Appendix III										
Boron	mg/L	1.74	2.86	2.86	3.25	2.71	2.39	1.86	2.67	2.81
Calcium	mg/L	87.1	185	189	163	214	237	159	154	146
Chloride	mg/L	17.7	24.9	29.2	25.9	31.7	43	25	21	23
Fluoride	mg/L	<0.06	0.194 J	0.158 J	0.068 J	<0.01	0.14	0.13	0.13	0.14
pH_Field	SU	6.32	6.07	5.91	6.19	6.03	6.13	5.97	5.97	6.1
Sulfate	mg/L	331	683	707	610	707	670	520	470	510
TDS	mg/L	594	1080	1140	1010	1250	1180	846	880	872
Appendix IV										
Antimony	mg/L	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	0.000801 J	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00126	0.00159 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.041	0.044	0.0367	0.0277	0.0323	0.0391	0.0245	0.0276	0.0242
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	0.000222 J	0.000208 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	0.0231	0.0507	0.0389	0.0152	0.00298 J	0.00507 J	0.00228 J	0.00418 J	<0.002
Combined Radium	pCi/L	0.359 U	0.456 U	0.854	0.268 U	0.118 U	0.264 U	0.00348 U	0.229 U	0.226 U
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0224	0.0816	0.0636	0.0759	0.0254 J	0.0859	0.0487 J	0.0297 J	0.0429 J
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.000494	0.0204	0.00799 J	0.0458	0.00431 J	0.0255	0.0119	0.00405 J	0.0216

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-16								
		09/19/2017	01/30/2018	05/07/2018	10/09/2018	04/24/2019	08/28/2019	03/03/2020	10/13/2020	04/21/2021
Appendix III										
Boron	mg/L	3	--	2.83	2.85	2.41	3.18	1.29	2.62	2.63
Calcium	mg/L	136	--	129	211	127	99.5	66.8	96.9	99.3
Chloride	mg/L	19	--	16	24	12	10.8	5.33	10	10.3
Fluoride	mg/L	0.16	0.12	0.16	0.18	0.236	0.29	0.179	0.145	0.173
pH_Field	SU	6.03	5.95	6.01	6	6.01	6.34	6.19	6.31	6.39
Sulfate	mg/L	460	--	430	580	406	384	198	366	392
TDS	mg/L	848	--	742	982	618	642	378	738	688
Appendix IV										
Antimony	mg/L	--	<0.0006	<0.0006	<0.0008	0.00101 J	<0.0008	<0.0008	<0.0008	0.000768 J
Arsenic	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000891
Barium	mg/L	--	0.0289	0.0264	0.0271	0.0243	0.0208	0.03	0.0322	0.02
Beryllium	mg/L	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005
Chromium	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000203
Cobalt	mg/L	--	<0.002	<0.002	<0.002	<0.002	0.00216 J	<0.002	0.00352 J	0.00213
Combined Radium	pCi/L	--	1.05	0.444 U	1.15	0.317 U	0.372 U	-0.0538 U	0.209 U	0.319 U
Lead	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005
Lithium	mg/L	--	0.026 J	0.0538	0.0285	0.0294 J	0.0555	0.0278	0.132	0.128
Mercury	mg/L	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	--	0.00829 J	0.0256	0.0114	0.0142	0.107	0.025	0.0494	0.0515

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-16			MR-AP-MW-4V					
		09/01/2021	03/08/2022	09/20/2022	03/05/2019	08/27/2019	03/04/2020	10/14/2020	04/26/2021	09/01/2021
Appendix III										
Boron	mg/L	2.16	2.23	2.69	0.357	0.51	0.303	0.483	0.382	0.452
Calcium	mg/L	130	154	146	224	252	146	193	178	205
Chloride	mg/L	6.87	7.81	11.4	26.5	44.5	24.3	35.2	23.6	24.9
Fluoride	mg/L	0.14	0.155	0.145	0.135	0.181	0.0996 J	0.125	0.106	0.143
pH_Field	SU	6.31	6.15	6.66	6.5	6.38	6.34	6.38	6.34	5.85
Sulfate	mg/L	427	530	503	565	706	498	554	512	619
TDS	mg/L	702	738	826	852	1190	736	963	916	1050
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.000508	0.000839 J	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	0.000895	0.000728	0.00293	0.00175 J	0.00149 J	<0.001	<0.001	0.000554	0.000815
Barium	mg/L	0.0243	0.0211	0.024	0.0223	0.0187	0.019	0.0179	0.0182	0.0177
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	0.000666 J	<0.000203	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.000203	0.000268 J
Cobalt	mg/L	0.00646	0.00413	0.00572	0.00865	0.0104	0.00216 J	0.00364 J	0.00507	0.00741
Combined Radium	pCi/L	0.231 U	0.455 U	0.392 U	0.244 U	0.948	0.16 U	0.505	0.233 U	0 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.104	0.0873	0.177	0.0575	0.0788	0.0341	0.0601	0.0371	0.0507
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0336	0.0431	0.0863	0.00463 J	0.00763 J	<0.002	<0.002	0.00109	0.00134

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4V		MR-AP-MW-6V						
		03/15/2022	09/26/2022	03/05/2019	08/28/2019	12/19/2019	03/03/2020	10/19/2020	04/28/2021	09/08/2021
Appendix III										
Boron	mg/L	0.642	0.855	0.753	0.379	0.565	0.431	0.437	0.472	0.561
Calcium	mg/L	251	290	181	89.2	114	103	96.4	97.3	110
Chloride	mg/L	23.7	25.3	27.8	18.9	27.3	23.6	25	24.3	34.3
Fluoride	mg/L	0.255	0.347	0.14	0.155	0.132	0.141	0.16	0.142	0.178
pH_Field	SU	6.68	6.75	7.24	7.34	7.03	7.14	7.28	7.15	6.98
Sulfate	mg/L	702	749	526	228	341	309	238	268	332
TDS	mg/L	1070	1150	840	560	748	622	594	614	708
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	0.00136	0.00343	0.00146 J	0.0171	0.0149	0.0236	0.00307 J	0.00239	0.0016
Barium	mg/L	0.0181	0.0181	0.0355	0.0614	0.0432	0.0275	0.0597	0.0259	0.0331
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	0.000322 J	0.000218 J	<0.002	0.00361 J	<0.002	<0.002	<0.002	0.00026 J	0.000215 J
Cobalt	mg/L	0.0134	0.00907	<0.002	<0.002	<0.002	<0.002	<0.002	0.000466	0.000225
Combined Radium	pCi/L	0.496 U	1.04 U	0.66	0.389 U	--	-0.0545 U	0.106 U	0.0421 U	0.891 U
Lead	mg/L	<6.8e-005	7.41e-005 J	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.11	0.153	0.145	0.1	0.12	0.104	0.0971	0.109	0.121
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00791	0.0279	0.0065 J	0.00782 J	0.00862 J	0.00777 J	0.00562 J	0.00578	0.0061

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-6V		MR-AP-MW-17H						
		03/16/2022	09/26/2022	03/06/2019	08/27/2019	03/10/2020	10/13/2020	05/05/2021	09/07/2021	03/08/2022
Appendix III										
Boron	mg/L	0.497	0.455	0.0571 J	0.0898 J	0.0538 J	0.0857 J	0.145	0.0842 J	0.0797 J
Calcium	mg/L	99.9	112	47	48.3	50.6	44.6	43.7	43.2	45
Chloride	mg/L	27.7	25	6.27	6.42	4.72	6.09	9.16	6.45	6.06
Fluoride	mg/L	0.145	0.152	0.133	0.16	0.166	0.171	0.159	0.213	0.158
pH_Field	SU	7.17	7.76	6.98	6.98	7.04	7	6.99	6.82	7.07
Sulfate	mg/L	266	240	60.4	83.6	51.9	81.6	93.2	65.8	62.1
TDS	mg/L	592	576	389	436	370	433	514	417	376
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	0.00161	0.000842	<0.001	<0.001	<0.001	<0.001	0.00115	0.000107 J	<8.1e-005
Barium	mg/L	0.0281	0.0343	0.65	0.495	0.425	0.444	1.68	0.511	0.614
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	0.000633 J	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	0.000222 J	<0.000203	<0.002	<0.002	<0.002	<0.002	0.00119	0.000293 J	<0.000203
Cobalt	mg/L	0.00018 J	0.000852	<0.002	<0.002	<0.002	<0.002	0.00342	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.493 U	0.85 U	0.732	0.701	1.18	0.298 U	2.37	1.32 U	0.896 U
Lead	mg/L	<6.8e-005	0.000416	<0.001	<0.001	<0.001	<0.001	0.00116	<6.8e-005	<6.8e-005
Lithium	mg/L	0.0943	0.0938	0.0597	0.0831	0.0566	0.0845	0.116	0.0826	0.0653
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00644	0.00654	<0.002	<0.002	<0.002	<0.002	0.000351	<6.8e-005	<0.000102

Notes:

1. mg/L - Milligrams per Liter
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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-	MR-AP-MW-18H							
		09/14/2022	03/06/2019	08/27/2019	03/10/2020	10/13/2020	05/05/2021	09/14/2021	03/08/2022	09/21/2022
Appendix III										
Boron	mg/L	0.108	0.178	0.299	0.151	0.302	0.237	0.289	0.193	0.257
Calcium	mg/L	38.8	4.86	16	2.15	17.7	12.5	15.1	3.72	8.04
Chloride	mg/L	7.92	8.61	58.9	5.53	22.7	14.9	14.1	5.42	12.1
Fluoride	mg/L	0.206	0.256	0.26	0.261	0.272	0.242	0.273	0.294	0.213
pH_Field	SU	6.55	7.39	7.28	7.28	7.23	7.31	7.39	7.5	7.21
Sulfate	mg/L	78.3	158	427	98.1	362	270	291	125	242
TDS	mg/L	497	398	937	328	823	646	682	360	658
Appendix IV										
Antimony	mg/L	<0.000508	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	<8.1e-005	<0.001	<0.001	<0.001	<0.001	0.000269	0.000241	0.000244	0.000182 J
Barium	mg/L	0.196	0.0293	0.0361	0.0261	0.0379	0.0484	0.0301	0.0245	0.0452
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.000203	<0.002	<0.002	<0.002	<0.002	0.0003 J	0.000328 J	<0.000203	<0.000203
Cobalt	mg/L	<6.8e-005	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.73 U	0.229 U	0.344 U	0.95	0.0821 U	0.183 U	0.686 U	0.528 U	1.46
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.0898	0.1	0.23	0.0875	0.215	0.167	0.188	0.0926	0.164
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.000102	0.00498 J	0.0131	0.00972 J	0.00832 J	0.00733	0.00851	0.0104	0.0105

Notes:

1. mg/L - Milligrams per Liter
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-19HA						MR-AP-MW-20H		
		03/09/2020	10/14/2020	04/20/2021	09/13/2021	03/09/2022	09/14/2022	03/06/2019	09/03/2019	03/10/2020
Appendix III										
Boron	mg/L	0.132	0.167	0.193	0.159	0.158	0.161	0.699	0.751	0.759
Calcium	mg/L	5.28	8	10.1	6	8.95	20.6	266	240	226
Chloride	mg/L	26.3	120	250	138	165	288	44.5	43.8	44.2
Fluoride	mg/L	2.41	2.32	2.51	2.59	2.4	1.9	0.234	0.279	0.297
pH_Field	SU	8.05	8.25	7.97	8.63	8.07	7.79	7.14	7.49	7.35
Sulfate	mg/L	35	83.1	167	58.8	110	225	904	820	793
TDS	mg/L	900	1300	1500	1020	1020	1410	1260	1320	1290
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00384 J	0.00247 J	0.000986	0.000423	0.00061	0.00101	<0.001	0.00104 J	<0.001
Barium	mg/L	0.0752	0.0769	0.0976	0.0673	0.0636	0.129	0.0486	0.0361	0.0267
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.000203	0.000289 J	<0.000203	<0.000203	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.684	0.362	0.93 U	0.231 U	0.425 U	0.294 U	0.995	0.144 U	0.276 U
Lead	mg/L	0.0023 J	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001
Lithium	mg/L	0.138	0.173	0.183	0.169	0.126	0.149	0.235	0.278	0.277
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	0.000945	0.000577	0.00056	0.0168	0.0391	0.055	0.0593

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-20H					MR-AP-MW-20HS			
		10/19/2020	04/28/2021	09/08/2021	03/09/2022	09/21/2022	03/06/2019	09/03/2019	03/10/2020	10/19/2020
Appendix III										
Boron	mg/L	0.724	0.735	0.741	0.759	0.756	0.641	0.61	0.633	0.615
Calcium	mg/L	201	191	207	191	241	179	161	157	145
Chloride	mg/L	38.6	34	33.4	27.6	25.8	38.1	36.8	38.9	35.4
Fluoride	mg/L	0.311	0.303	0.347	0.329	0.289	<0.05	<0.05	0.0631 J	<0.06
pH_Field	SU	7.33	7.29	7.37	7.38	7.26	6.32	6.34	6.47	6.51
Sulfate	mg/L	634	645	718	785	685	619	529	550	475
TDS	mg/L	1130	1140	1180	1120	1130	894	929	944	862
Appendix IV										
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00105 J	0.00106	0.000941	0.000874	0.00089	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0276	0.025	0.028	0.0245	0.0273	0.0711	0.0425	0.0292	0.0283
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	0.000229 J	0.000241 J	<0.000203	0.000306 J	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	0.000658	0.000784	0.000813	0.001	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.154 U	0.46 U	0.265 U	0.408 U	2.05	0.23 U	0.37 U	0.374 U	0.0854 U
Lead	mg/L	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.245	0.267	0.269	0.217	0.215	0.0987	0.0973	0.094	0.0797
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0683	0.0606	0.0609	0.0608	0.0713	<0.002	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-20HS				MR-AP-MW-27HR				
		05/03/2021	09/08/2021	03/09/2022	09/21/2022	10/26/2020	05/03/2021	09/14/2021	03/14/2022	09/21/2022
Appendix III										
Boron	mg/L	0.562	0.557	0.491	0.4	<0.03	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	133	130	122	111	47.2	48.8	47.2	44.5	63
Chloride	mg/L	34.4	35.4	32.6	32.4	14.1	16	15.6	15.5	16.5
Fluoride	mg/L	0.0639 J	<0.06	<0.06	<0.06	0.161	0.171	0.175	0.116 J	0.0743 J
pH_Field	SU	6.29	6.33	6.71	6.33	7.2	7.16	7.21	7.17	7.15
Sulfate	mg/L	438	479	402	297	61.6	69.2	66.2	65.4	62.9
TDS	mg/L	774	778	692	586	321	314	315	314	323
Appendix IV										
Antimony	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	0.00022	0.000275	0.000204	0.000276	<0.001	0.00031	0.000272	0.00021	0.000147 J
Barium	mg/L	0.027	0.0283	0.0262	0.029	0.101	0.0893	0.091	0.0854	0.0774
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.000203	0.000268 J	<0.000203	<0.000203	<0.002	0.000203 J	0.000388 J	<0.000203	<0.000203
Cobalt	mg/L	0.00089	0.000812	0.000904	0.000591	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.286 U	0.505 U	0.327 U	0.618 U	0.0991 U	0.455 U	0.417 U	0.336 U	0.992 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	0.000258	<6.8e-005	0.000101 J	<6.8e-005
Lithium	mg/L	0.0783	0.0783	0.0573	0.0512	0.0427	0.0441	0.0441	0.0415	0.0406
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.000249	0.000407	0.000301	0.000414	<0.002	0.00103	0.000808	0.000666	0.000955

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-28H						MR-AP-MW-30H		
		03/09/2020	10/19/2020	04/20/2021	09/13/2021	03/14/2022	09/20/2022	03/10/2020	10/20/2020	04/21/2021
Appendix III										
Boron	mg/L	0.119	0.608	0.212	0.289	0.309	0.261	0.0912 J	0.0673 J	0.0481 J
Calcium	mg/L	56.9	63.6	49.8	58.3	56.6	60.9	207	228	229
Chloride	mg/L	5.26	5.22	5.58	6.4	5.91	7.21	117	149	131
Fluoride	mg/L	0.117	0.154	0.123	0.145	0.111 J	0.132	0.172	0.158	0.141
pH_Field	SU	6.8	6.79	6.64	6.62	6.82	6.72	6.91	6.84	6.83
Sulfate	mg/L	105	173	96.2	133	105	78.3	820	850	796
TDS	mg/L	375	458	370	428	377	331	1720	1840	1700
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	0.00423 J	0.00281 J	0.00173	0.00164	0.00134	0.00201	0.00737	0.00242 J	0.000974
Barium	mg/L	0.0658	0.0429	0.0447	0.0484	0.0452	0.055	0.0503	0.0468	0.0266
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.000203	0.000265 J	<0.000203	<0.000203	<0.002	<0.002	<0.000203
Cobalt	mg/L	0.00226 J	<0.002	0.000397	0.000266	0.000248	0.000244	<0.002	<0.002	<6.8e-005
Combined Radium	pCi/L	0.641	0.155 U	0.0931 U	0.173 U	0.219 U	0.876 U	0.829	0.598	1.09
Lead	mg/L	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<6.8e-005
Lithium	mg/L	0.0593	0.058	0.0576	0.0606	0.0531	0.0506	0.0821	0.0918	0.108
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	0.00517 J	0.0017	0.00156	0.00203	0.00301	0.00436 J	0.00856 J	0.00576

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-30H			MR-AP-MW-32H					
		09/13/2021	03/16/2022	09/19/2022	03/10/2020	10/15/2020	04/28/2021	09/14/2021	03/09/2022	09/21/2022
Appendix III										
Boron	mg/L	0.0312 J	0.0394 J	0.0334 J	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	223	201	241	51.1	49.5	58.5	58.7	53.6	71.4
Chloride	mg/L	81.7	99.5	90	5.73	4.47	7.94	7.41	8.5	7.96
Fluoride	mg/L	0.171	0.142	0.12 J	0.132	0.151	0.133	0.275	0.138	0.0663 J
pH_Field	SU	6.79	6.72	6.78	7.27	7.32	7.18	7.36	7.35	7.2
Sulfate	mg/L	764	761	721	16.3	7.29	21.8	16.2	18.2	16.5
TDS	mg/L	1440	1380	1410	216	232	252	239	234	246
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	0.000493	0.0011	0.000763	0.00312 J	0.00527	0.000881	0.000924	0.000712	0.000948
Barium	mg/L	0.0207	0.0222	0.0209	0.367	0.584	0.522	0.585	0.49	0.516
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	0.000324 J	<0.000203	0.000331 J	<0.002	<0.002	0.000309 J	0.000365 J	<0.000203	0.000373 J
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	0.000134 J	<6.8e-005	<6.8e-005	0.000185 J
Combined Radium	pCi/L	0.361 U	0.539 U	0.756 U	0.4 U	0.826	0.352 U	0.784 U	0.497 U	1.1 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.0967	0.088	0.0944	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00103	0.00117	0.00295	0.0129	0.00939 J	0.00777	0.00617	0.00536	0.00498

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-33H						MR-AP-MW-34H		
		03/05/2020	10/14/2020	05/03/2021	09/08/2021	03/14/2022	09/20/2022	03/09/2020	10/21/2020	04/21/2021
Appendix III										
Boron	mg/L	0.608	0.738	0.695	0.776	0.729	0.895	0.148	0.16	0.178
Calcium	mg/L	214	244	248	258	225	280	21.1	24.6	28.1
Chloride	mg/L	33.9	38.7	33.4	30.3	24.3	24.1	159	199	273
Fluoride	mg/L	0.173	0.223	0.185	0.204	0.186	0.193	0.361	0.429	0.4
pH_Field	SU	6.51	6.45	6.48	6.37	6.5	6.29	7.76	7.79	7.81
Sulfate	mg/L	679	700	710	818	730	752	220	279	372
TDS	mg/L	1020	1170	1160	1220	1080	1180	1100	1540	1690
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	0.00362 J	0.0047 J	0.00436	0.00429	0.00358	0.0048	0.00719	<0.001	0.0013
Barium	mg/L	0.0326	0.0381	0.0324	0.0369	0.0286	0.0341	0.088	0.0952	0.0853
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<6.8e-005
Chromium	mg/L	<0.002	<0.002	0.000276 J	0.000252 J	<0.000203	0.000241 J	<0.002	<0.002	<0.000203
Cobalt	mg/L	0.00965	0.0121	0.0112	0.0123	0.0104	0.00938	<0.002	<0.002	<6.8e-005
Combined Radium	pCi/L	0.636 U	0.0343 U	0.5 U	0.711 U	0.655 U	0.61 U	0.875	0.53	0.745 U
Lead	mg/L	<0.001	<0.001	6.88e-005 J	9.5e-005 J	<6.8e-005	<6.8e-005	<0.001	<0.001	<6.8e-005
Lithium	mg/L	0.145	0.155	0.153	0.175	0.125	0.158	0.164	0.156	0.218
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0139	0.0223	0.0166	0.0184	0.0186	0.0297	0.00255 J	0.00201 J	0.00534

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-34H			MR-AP-MW-35H					
		09/13/2021	03/09/2022	09/19/2022	03/10/2020	10/13/2020	05/05/2021	09/07/2021	03/08/2022	09/19/2022
Appendix III										
Boron	mg/L	0.144	0.106	0.111	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	20.2	13	13.1	57.5	64.9	61.5	63.3	61.6	71.8
Chloride	mg/L	216	161	143	2.26	1.91	2.57	2.13	2.2	2.2
Fluoride	mg/L	0.42	0.302	0.33	0.16	0.16	0.139	0.155	0.129	0.0646 J
pH_Field	SU	8.2	8.09	8.05	6.69	6.64	6.72	6.58	6.77	6.23
Sulfate	mg/L	257	185	158	182	196	184	211	199	197
TDS	mg/L	1270	909	976	438	455	444	451	432	442
Appendix IV										
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	0.000865	0.000674	0.000428	0.0139	0.0146	0.0117	0.0129	0.0118	0.0131
Barium	mg/L	0.0692	0.0647	0.0558	0.0349	0.0315	0.0317	0.0289	0.0276	0.0285
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	0.000318 J	<0.000203	0.000238 J	<0.002	<0.002	<0.000203	0.000334 J	0.000233 J	0.000229 J
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<6.8e-005	<6.8e-005	7.58e-005 J	<6.8e-005
Combined Radium	pCi/L	0.761 U	0.822 U	1.18 U	0.943	0.0328 U	0.466 U	0.878 U	1.37	0.386 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.188	0.13	0.141	0.0306	0.0305	0.0298	0.0298	0.026	0.0286
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00634	0.00765	0.00307	0.00217 J	<0.002	0.0017	0.000963	0.00124	0.00113

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-36HR					MR-AP-MW-37H			
		10/27/2020	04/21/2021	09/13/2021	03/16/2022	09/14/2022	03/09/2020	10/19/2020	05/03/2021	09/15/2021
Appendix III										
Boron	mg/L	0.0966 J	0.115	0.122	0.132	0.108	0.0385 J	<0.03	<0.03	<0.03
Calcium	mg/L	10.9	23.8	31.2	30.2	32.1	41.7	38.9	40.1	39.6
Chloride	mg/L	66.6	274	406	471	439	10.7	10.3	10.7	10.6
Fluoride	mg/L	0.272	0.412	0.49	0.4	0.342	0.173	0.178	0.167	0.201
pH_Field	SU	7.54	7.72	7.8	7.51	7.48	7.33	7.32	7.41	7.22
Sulfate	mg/L	285	559	628	746	572	31.5	32.4	34.8	36.4
TDS	mg/L	913	1660	1790	2080	1860	312	295	310	301
Appendix IV										
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	0.00201 J	0.0015 J	0.00123	0.000979 J
Arsenic	mg/L	0.00333 J	0.00666	0.00601	0.00537	0.00426	0.0113	0.00192 J	0.00127	0.00127
Barium	mg/L	0.0347	0.0467	0.0518	0.0536	0.0335	0.112	0.11	0.101	0.11
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.000203	0.00041 J	<0.000203	<0.000203	<0.002	<0.002	0.000234 J	0.000255 J
Cobalt	mg/L	<0.002	0.000116 J	8.8e-005 J	0.000142 J	0.000107 J	<0.002	<0.002	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.0202 U	0.74 U	0.572 U	0.417 U	0.748 U	0.418 U	-0.0717 U	0.651 U	0.886 U
Lead	mg/L	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.161	0.247	0.297	0.272	0.285	0.0662	0.0635	0.0663	0.066
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0195	0.0505	0.0711	0.0981	0.091	<0.002	<0.002	<6.8e-005	9.74e-005 J

Notes:

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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-37H		MR-AP-MW-31H					MR-AP-MW-7S	
		03/17/2022	09/27/2022	10/27/2020	04/27/2021	09/13/2021	03/16/2022	09/20/2022	07/21/2016	09/27/2016
Appendix III										
Boron	mg/L	<0.03	<0.03	0.0341 J	0.0315 J	0.0315 J	0.0319 J	0.0373 J	0.69	0.669
Calcium	mg/L	38.2	36.6	130	131	130	129	155	88.2	79.1
Chloride	mg/L	10.9	10.8	12.5	11.5	13.1	14.1	43.2	20.6	20.7
Fluoride	mg/L	0.132	0.178	0.14	0.144	0.164	<0.06	0.0929 J	0.203 J	0.138 J
pH_Field	SU	7.12	7.39	6.95	7.01	7.04	6.94	7	6.51	6.51
Sulfate	mg/L	36	33.8	410	404	416	414	403	277	258
TDS	mg/L	305	314	886	880	842	856	915	640	612
Appendix IV										
Antimony	mg/L	0.000705 J	0.00054 J	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006
Arsenic	mg/L	0.00148	0.000844	0.00133 J	0.000721	0.000485	0.000321	0.000521	0.00237 J	0.00249 J
Barium	mg/L	0.105	0.105	0.0585	0.045	0.0443	0.0376	0.0403	0.0415	0.0355
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	<6.8e-005	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002
Chromium	mg/L	0.000204 J	<0.000203	<0.002	<0.000203	0.000332 J	0.000219 J	0.000261 J	<0.002	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002
Combined Radium	pCi/L	0.173 U	0.253 U	-0.0134 U	0.446 U	0.605 U	0.701 U	0.684 U	0.209 U	0.515 U
Lead	mg/L	<6.8e-005	0.00011 J	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001
Lithium	mg/L	0.0581	0.0586	0.135	0.145	0.147	0.117	0.122	0.148	0.146
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025
Molybdenum	mg/L	<0.000102	<0.000102	<0.002	0.00057	0.000361	0.00032	0.00163	0.0283	0.029

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7S								
		11/01/2016	01/10/2017	02/14/2017	04/04/2017	05/16/2017	06/13/2017	09/18/2017	01/30/2018	05/09/2018
Appendix III										
Boron	mg/L	0.697	0.705	0.722	0.727	0.647	0.673	0.697	--	0.692
Calcium	mg/L	78	85.3	82.7	81.6	78.6	82.3	81.6	--	81.1
Chloride	mg/L	21.1	21.3	24	24	25	26	24	--	25
Fluoride	mg/L	0.08 J	0.034 J	0.17	0.2	0.18	0.18	0.22	0.21	0.21
pH_Field	SU	6.51	6.52	6.5	6.4	6.45	6.49	6.56	6.54	6.52
Sulfate	mg/L	251	257	250	260	250	260	240	--	210
TDS	mg/L	626	610	608	582	630	636	618	--	542
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	0.00239 J	0.00267 J	0.00272 J	0.00253 J	0.0023 J	0.00222 J	--	0.00254 J	0.0025 J
Barium	mg/L	0.038	0.0369	0.0414	0.0349	0.0384	0.034	--	0.0381	0.0365
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	0.00207 J	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Combined Radium	pCi/L	0.315 U	0.207 U	0.315 U	0.316 U	0.177 U	0.48	--	0.53	0.248 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
Lithium	mg/L	0.15	0.141	0.18	0.183	0.146	0.147	--	0.14	0.15
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.0262	0.028	0.0293	0.0284	0.0281	0.0255	--	0.032	0.0278

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7S				MR-AP-MW-7D				
		10/09/2018	04/24/2019	08/28/2019	03/03/2020	07/21/2016	09/27/2016	11/01/2016	01/10/2017	02/14/2017
Appendix III										
Boron	mg/L	0.737	0.73	0.743	0.74	0.744	0.711	0.745	0.733	0.753
Calcium	mg/L	82	103	83.7	83.5	115	109	106	107	114
Chloride	mg/L	25	22.9	22.7	23.2	21.8	22.1	22.4	22.2	26
Fluoride	mg/L	0.25	0.296	0.221	0.219	0.125 J	0.068 J	0.014 J	<0.01	0.07 J
pH_Field	SU	6.56	6.43	6.56	6.55	6.71	6.71	6.74	6.77	6.74
Sulfate	mg/L	220	239	258	295	367	347	342	333	320
TDS	mg/L	558	574	568	600	756	778	746	714	744
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00202 J	0.00245 J	0.0021 J	0.00237 J	0.00186 J	0.00193 J	0.00177 J	0.00185 J	0.00174 J
Barium	mg/L	0.0333	0.0402	0.0451	0.0383	0.0343	0.0294	0.0316	0.0304	0.0359
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.695	0.148 U	0.864	0.351 U	0.514	0.798	0.657	0.427 U	0.437 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.153	0.148	0.158	0.158	0.124	0.115	0.117	0.107	0.142
Mercury	mg/L	<0.00025	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.0302	0.0325	0.0349	0.0344	0.0155	0.0133	0.012	0.0108	0.0102

Notes:

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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7D								
		04/04/2017	05/16/2017	06/13/2017	09/18/2017	01/29/2018	05/09/2018	10/09/2018	04/24/2019	08/28/2019
Appendix III										
Boron	mg/L	0.755	0.691	0.715	0.734	--	0.727	0.769	0.756	0.764
Calcium	mg/L	105	105	110	108	--	110	114	140	113
Chloride	mg/L	26	26	27	25	--	27	29	28	27.2
Fluoride	mg/L	0.09 J	0.1	0.1	0.11	0.1	0.1	0.12	0.156	0.106
pH_Field	SU	6.66	6.69	6.71	6.77	6.75	6.7	6.74	6.63	6.58
Sulfate	mg/L	350	340	360	340	--	340	360	364	371
TDS	mg/L	746	772	780	770	--	730	764	748	660
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00157 J	0.0015 J	0.00144 J	--	0.00185 J	0.00148 J	0.00211 J	0.00189 J	0.00197 J
Barium	mg/L	0.0295	0.0319	0.0307	--	0.0331	0.032	0.0296	0.0326	0.0361
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.343 U	0.625	0.152 U	--	0.218 U	0.395 U	0.44 U	0.423 U	0.327 U
Lead	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.137	0.109	0.108	--	0.1	0.107	0.103	0.0996	0.111
Mercury	mg/L	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	0.000318 J	<0.0003
Molybdenum	mg/L	0.0089 J	0.00836 J	0.00732 J	--	0.00815 J	0.00604 J	0.00618 J	0.00612 J	0.00531 J

Notes:

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2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7D	MR-AP-MW-8S							
		03/03/2020	07/25/2016	09/27/2016	11/01/2016	01/10/2017	02/14/2017	04/04/2017	05/16/2017	06/13/2017
Appendix III										
Boron	mg/L	0.752	1.56	1.55	1.47	1.52	1.46	1.58	1.45	1.59
Calcium	mg/L	117	58.5	71.1	77.2	110	89.3	62.2	57.3	56.6
Chloride	mg/L	28.6	4.64	8.74	16.2	21.7	14	6.5	4.6	4.6
Fluoride	mg/L	0.105	0.471	0.375	0.259 J	0.215 J	0.36	0.43	0.43	0.43
pH_Field	SU	6.74	6.7	6.71	6.71	6.66	6.66	6.66	6.68	6.72
Sulfate	mg/L	419	363	446	471	604	460	370	320	330
TDS	mg/L	736	686	828	888	1120	844	726	698	710
Appendix IV										
Antimony	mg/L	<0.0008	<0.0006	0.00062 J	<0.0006	<0.0006	<0.0006	<0.0006	0.000683 J	<0.0006
Arsenic	mg/L	0.00224 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.034	0.0233	0.0245	0.0285	0.0368	0.0337	0.0212	0.0202	0.0179
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.194 U	0.323 U	0.0932 U	0.0619 U	0.291 U	0.837	0.143 U	0.213 U	0.248 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.109	0.0338 J	0.0369 J	0.0413 J	0.0487 J	0.0574	0.0483 J	0.0329 J	0.0338 J
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.00727 J	0.0453	0.0485	0.0393	0.0393	0.0422	0.0535	0.05	0.0454

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-8S							MR-AP-MW-8D	
		09/19/2017	01/30/2018	05/09/2018	10/09/2018	04/24/2019	08/28/2019	03/03/2020	07/25/2016	09/28/2016
Appendix III										
Boron	mg/L	1.76	--	1.05	2.05	1.53	2.06	0.692	0.916	1.03
Calcium	mg/L	52.5	--	48.6	55.2	53.6	56.9	49.3	46.8	52.4
Chloride	mg/L	4.5	--	3.2	4.7	4.06	4.08	13.6	6.35	8.42
Fluoride	mg/L	0.57	0.55	0.48	0.64	0.531	0.565	0.303	0.26 J	0.225 J
pH_Field	SU	6.76	6.79	6.69	6.82	6.62	6.78	6.34	6.27	6.4
Sulfate	mg/L	310	--	240	330	315	366	309	321	368
TDS	mg/L	698	--	496	716	596	712	504	592	698
Appendix IV										
Antimony	mg/L	--	<0.0006	0.000744 J	<0.0008	0.000999 J	<0.0008	0.0012 J	<0.0006	<0.0006
Arsenic	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00116 J	0.00144 J
Barium	mg/L	--	0.0201	0.0195	0.0169	0.0202	0.0217	0.0262	0.0547	0.0478
Beryllium	mg/L	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0002	<0.0002
Chromium	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0051 J	0.00389 J
Combined Radium	pCi/L	--	0.289 U	0.047 U	0.385 U	0.175 U	0.367 U	-0.142 U	0.305 U	0.205 U
Lead	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	--	0.0314 J	0.0282 J	0.0295	0.0268 J	0.0292	0.0304	0.0373 J	0.0356 J
Mercury	mg/L	--	<0.00025	<0.00025	<0.00025	0.000334 J	<0.0003	<0.0003	<0.00025	<0.00025
Molybdenum	mg/L	--	0.0681	0.0259	0.0532	0.0298	0.0592	0.00692 J	0.0173	0.0242

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-8D								
		11/01/2016	01/10/2017	02/15/2017	04/04/2017	05/17/2017	06/13/2017	09/19/2017	01/30/2018	05/09/2018
Appendix III										
Boron	mg/L	1.04	1.01	1.05	1.15	1.13	1.13	1.13	--	0.76
Calcium	mg/L	58	81.2	72.1	55.7	53.7	51.6	51.5	--	50
Chloride	mg/L	13.1	16.8	14	8.2	7.1	7	9.1	--	10
Fluoride	mg/L	0.151 J	0.095 J	0.24	0.3	0.29	0.3	0.35	0.35	0.26
pH_Field	SU	6.41	6.36	6.34	6.41	6.36	6.43	6.32	6.46	6.11
Sulfate	mg/L	389	483	420	320	300	300	350	--	370
TDS	mg/L	738	772	772	662	664	632	700	--	672
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	0.00132 J	0.00127 J	<0.001	<0.001	<0.001	<0.001	--	0.00161 J	0.00168 J
Barium	mg/L	0.0521	0.0452	0.0408	0.0311	0.0367	0.0344	--	0.0379	0.0311
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Cobalt	mg/L	0.00318 J	0.00311 J	0.00327 J	0.00279 J	0.0036 J	0.00333 J	--	0.00272 J	0.00503 J
Combined Radium	pCi/L	1.13	0.0076 U	0.665	0.278 U	0.798 U	0.544	--	0.325 U	-0.113 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
Lithium	mg/L	0.0389 J	0.0472 J	0.0531	0.0461 J	0.0402 J	0.0355 J	--	0.0419 J	0.0535
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.0228	0.0195	0.0197	0.0236	0.027	0.026	--	0.033	0.00842 J

Notes:

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2. pCi/L - picocuries per Liter
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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-8D				MR-AP-MW-9S				
		10/09/2018	04/24/2019	08/28/2019	03/03/2020	07/20/2016	09/27/2016	11/02/2016	01/12/2017	02/15/2017
Appendix III										
Boron	mg/L	1.16	0.893	1.05	0.742	0.295	0.282	0.293	0.358	0.398
Calcium	mg/L	51.3	54.1	55.2	52.7	91.9	79.9	83.8	62.5	20.9
Chloride	mg/L	9	11.2	10.8	15.1	9.28	9.44	10.2	8.44	2.7
Fluoride	mg/L	0.36	0.258	0.214	0.151	0.139 J	0.086 J	0.047 J	<0.01	0.17
pH_Field	SU	6.26	5.91	6.09	5.83	5.45	5.46	5.37	5.46	5.96
Sulfate	mg/L	400	461	439	500	793	674	794	555	86
TDS	mg/L	694	724	764	742	1250	1120	1150	866	221
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.0012 J	0.00146 J	0.00146 J	0.00166 J	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0302	0.0295	0.0323	0.025	0.0201	0.0175	0.0175	0.0224	0.0153
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	0.00555	0.00723	0.00697	0.007	0.00995 J	0.00686 J	0.0076 J	0.00419 J	<0.002
Combined Radium	pCi/L	0.222 U	-0.104 U	0.53 U	0.311 U	0.291 U	0.639	0.851	0.658 U	0.76
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0494	0.0568	0.0615	0.0672	0.188	0.167	0.181	0.151	0.0385 J
Mercury	mg/L	<0.00025	0.000303 J	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.0168	0.00699 J	0.0104	0.00259 J	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9S								
		04/06/2017	05/17/2017	06/14/2017	09/19/2017	01/30/2018	05/08/2018	10/09/2018	04/24/2019	08/27/2019
Appendix III										
Boron	mg/L	0.367	0.358	0.406	0.409	--	0.399	0.437	0.757	0.438
Calcium	mg/L	18.6	57.1	50.7	50.7	--	57.8	51.7	325	77.6
Chloride	mg/L	5.6	8.3	6.6	7.1	--	4.2	7.5	5.42	7.56
Fluoride	mg/L	0.2	0.14	0.16	0.19	0.19	0.22	0.22	0.277	0.173
pH_Field	SU	6.07	5.59	5.71	5.73	5.88	5.86	5.76	5.82	5.53
Sulfate	mg/L	65	410	410	380	--	360	340	513	553
TDS	mg/L	195	782	646	664	--	646	616	838	892
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0132	0.0314	0.0316	--	0.0188	0.0408	0.0241	0.0458	0.0332
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003	0.000319 J	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	0.00264 J
Combined Radium	pCi/L	0.122 U	0.781 U	0.285 U	--	0.162 U	0.583	0.67	0.471 U	0.477 U
Lead	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0343 J	0.132	0.103	--	0.0577	0.1	0.119	0.142	0.138
Mercury	mg/L	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	0.000345 J	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9S	MR-AP-MW-9D							
		03/03/2020	07/20/2016	09/28/2016	11/01/2016	01/10/2017	02/15/2017	04/04/2017	05/17/2017	06/13/2017
Appendix III										
Boron	mg/L	1.41	0.644	0.641	0.671	0.696	0.708	0.716	0.735	0.695
Calcium	mg/L	66	60.6	61.2	58	62.6	68.2	65.4	67.3	65.8
Chloride	mg/L	4.18	8.7	8.99	9.34	9.94	13	13	14	14
Fluoride	mg/L	0.287	0.155 J	0.1 J	0.046 J	<0.01	0.11	0.11	0.13	0.14
pH_Field	SU	5.99	5.76	5.75	5.71	5.76	5.69	5.72	5.64	5.69
Sulfate	mg/L	425	475	474	470	480	460	530	450	510
TDS	mg/L	650	792	780	800	832	804	808	822	856
Appendix IV										
Antimony	mg/L	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	<0.001	0.00202 J	0.00176 J	0.0021 J	0.0022 J	0.00232 J	0.00218 J	0.00207 J	0.00197 J
Barium	mg/L	0.0268	0.0144	0.0141	0.0132	0.0125	0.0129	0.0117	0.011	0.0108
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	0.0163	0.0155	0.0168	0.0164	0.0192	0.0222	0.0194	0.0193
Combined Radium	pCi/L	0.192 U	0.466 U	0.0728 U	0.16 U	0.747	0.0228 U	0.358 U	-0.25 U	0.828
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.117	0.0779	0.0709	0.0733	0.0743	0.0896	0.089	0.0783	0.0723
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9D							MR-AP-MW-10	
		09/19/2017	01/30/2018	05/08/2018	10/09/2018	04/24/2019	08/27/2019	03/03/2020	07/25/2016	09/27/2016
Appendix III										
Boron	mg/L	0.716	--	0.722	0.752	0.758	0.75	0.769	3.36	3.18
Calcium	mg/L	66	--	64.6	63.8	66	67.7	70.8	132	127
Chloride	mg/L	13	--	12	11	11.2	10.2	10.3	6.41	6.3
Fluoride	mg/L	0.16	0.09 J	0.05 J	0.17	0.205	0.173	0.158	0.439	0.336
pH_Field	SU	5.75	5.79	5.71	5.71	5.62	5.44	5.71	6.73	6.82
Sulfate	mg/L	470	--	440	340	486	490	585	787	714
TDS	mg/L	824	--	810	776	802	774	816	1440	1310
Appendix IV										
Antimony	mg/L	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0006	<0.0006
Arsenic	mg/L	--	0.0023 J	0.00211 J	0.00182 J	0.00194 J	0.00188 J	0.00191 J	0.00272 J	0.00246 J
Barium	mg/L	--	0.0148	0.0124	0.0108	0.0128	0.014	0.0122	0.0185	0.0131
Beryllium	mg/L	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0002	<0.0002
Chromium	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0112	<0.002
Cobalt	mg/L	--	0.0157	0.0179	0.0182	0.0207	0.0198	0.0203	0.00273 J	0.00263 J
Combined Radium	pCi/L	--	0.0739 U	0.313 U	0.419 U	0.25 U	0.74	0.874	0.233 U	0.82
Lead	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	--	0.0693	0.0738	0.0736	0.0724	0.0801	0.0802	0.189	0.171
Mercury	mg/L	--	<0.00025	<0.00025	<0.00025	0.000331 J	<0.0003	<0.0003	<0.00025	<0.00025
Molybdenum	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.115	0.0985

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-10								
		10/31/2016	01/11/2017	02/14/2017	04/06/2017	05/17/2017	06/13/2017	09/21/2017	01/31/2018	05/10/2018
Appendix III										
Boron	mg/L	3.32	3.05	2.87	2.87	2.71	2.67	3.08	--	3.04
Calcium	mg/L	122	124	125	125	124	129	133	--	132
Chloride	mg/L	6.36	6.65	9.2	8	8.1	8.1	7.7	--	7.4
Fluoride	mg/L	0.26 J	0.21 J	0.34	0.38	0.33	0.34	0.43	0.42	0.42
pH_Field	SU	6.78	6.8	6.74	6.73	6.73	6.71	6.8	6.81	6.77
Sulfate	mg/L	741	731	670	640	620	950	660	--	680
TDS	mg/L	1360	1310	1270	1320	1280	1310	1350	--	1310
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	0.00261 J	0.00291 J	0.00272 J	0.00235 J	0.00213 J	0.00218 J	--	0.00229 J	0.00215 J
Barium	mg/L	0.0124	0.0122	0.0151	0.0116	0.0132	0.0131	--	0.0138	0.0142
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Cobalt	mg/L	0.00289 J	0.00244 J	0.00209 J	0.00226 J	0.0021 J	<0.002	--	<0.002	<0.002
Combined Radium	pCi/L	0.37 U	0.668	0.36 U	0.519	-0.497 U	0.147 U	--	0.82	0.383 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
Lithium	mg/L	0.181	0.172	0.209	0.203	0.163	0.155	--	0.163	0.178
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.0971	0.0866	0.0895	0.0812	0.0741	0.0719	--	0.0943	0.069

Notes:

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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-10								
		10/08/2018	04/24/2019	08/29/2019	03/09/2020	10/19/2020	05/03/2021	09/15/2021	03/17/2022	05/19/2022
Appendix III										
Boron	mg/L	3.46	3.61	4.1	4.7	4.44	4.45	4.8	5.87	6.12
Calcium	mg/L	164	201	178	222	149	165	152	76.4	145
Chloride	mg/L	7.4	7.66	6.65	7.47	6.03	6.38	6.39	4.75	8.19
Fluoride	mg/L	0.49	0.433	0.445	0.517	0.608	0.599	0.727	1.86	1.24
pH_Field	SU	6.86	6.91	6.93	7.03	7.05	7.01	7.04	7.24	6.99
Sulfate	mg/L	750	950	847	1010	781	917	910	735	1460
TDS	mg/L	1430	1460	1550	1720	1430	1510	1490	1230	2060
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	0.00184 J	0.00193 J	0.00177 J	0.0018 J	0.00186 J	0.00142	0.0016	0.0621	0.0428
Barium	mg/L	0.0126	0.0154	0.0185	0.0175	0.0168	0.0147	0.017	0.00983	0.0185
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	7.67e-005 J	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000203	0.000473 J	0.000217 J	<0.000203
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.0003	0.000301	0.000905	0.00143
Combined Radium	pCi/L	0.193 U	0.601	0.437 U	0.906	0.387 U	0.821 U	1.43 U	0.232 U	--
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.184	0.186	0.197	0.225	0.166	0.19	0.187	0.175	0.24
Mercury	mg/L	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0951	0.121	0.158	0.223	0.305	0.296	0.352	0.751	0.675

Notes:

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4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-10	MR-AP-MW-11							
		09/26/2022	07/25/2016	09/27/2016	11/01/2016	01/12/2017	02/13/2017	03/30/2017	04/04/2017	05/16/2017
Appendix III										
Boron	mg/L	7.39	0.0282 J	0.0253 J	0.0266 J	0.0268 J	0.0263 J	--	0.0252 J	0.0319 J
Calcium	mg/L	132	164	164	158	163	166	--	166	160
Chloride	mg/L	8.6	8.3	7.94	7.32	6.29	9.1	--	7	7.1
Fluoride	mg/L	1.12	0.155 J	0.097 J	0.038 J	<0.01	0.13	--	0.14	0.14
pH_Field	SU	7.16	6.74	6.74	6.71	6.61	6.58	6.57	6.56	6.56
Sulfate	mg/L	1560	637	612	619	654	--	650	690	590
TDS	mg/L	2550	456	1170	1160	1180	1130	--	1140	1080
Appendix IV										
Antimony	mg/L	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	0.0323	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
Barium	mg/L	0.0169	0.052	0.0398	0.0375	0.0291	0.0329	--	0.0292	0.0247
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Cadmium	mg/L	9.82e-005 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
Chromium	mg/L	0.000436 J	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Cobalt	mg/L	0.00139	<0.002	<0.002	<0.002	0.00316 J	0.00227 J	--	<0.002	<0.002
Combined Radium	pCi/L	0.502 U	0.604 U	0.65	0.458 U	0.308 U	-0.0581 U	--	0.288 U	0.119 U
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001
Lithium	mg/L	0.263	0.119	0.108	0.116	0.12	0.149	--	0.154	0.128
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.745	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-11								
		06/14/2017	09/19/2017	01/30/2018	05/08/2018	10/09/2018	05/01/2019	08/28/2019	03/03/2020	10/20/2020
Appendix III										
Boron	mg/L	0.026 J	0.0253 J	--	<0.02	0.0262 J	<0.0609	<0.03	0.0308 J	0.0357 J
Calcium	mg/L	166	165	--	132	121	136	138	179	151
Chloride	mg/L	7.9	6.8	--	7.3	6.5	6.46	6.4	6.2	6.33
Fluoride	mg/L	0.14	0.16	0.12	0.13	0.15	0.118	0.13	0.134	0.126
pH_Field	SU	6.5	6.55	7.09	7.04	7.3	6.64	7.22	6.6	7.26
Sulfate	mg/L	620	630	--	550	450	549	605	618	575
TDS	mg/L	1220	1140	--	1070	1010	996	1050	1070	1050
Appendix IV										
Antimony	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0263	--	0.0366	0.0347	0.0322	0.04	0.0387	0.029	0.0414
Beryllium	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.129 U	--	0.31 U	0.0757 U	0.5	0.295 U	0.358 U	0.227 U	0.0474 U
Lead	mg/L	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.118	--	0.229	0.246	0.307	0.327	0.318	0.255	0.297
Mercury	mg/L	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-11				MR-AP-MW-12				
		04/21/2021	09/14/2021	03/16/2022	09/20/2022	07/20/2016	09/27/2016	11/01/2016	01/11/2017	02/15/2017
Appendix III										
Boron	mg/L	<0.03	<0.03	0.0358 J	0.0457 J	2.36	2.14	2.21	2.04	2.12
Calcium	mg/L	148	147	173	192	178	165	160	170	173
Chloride	mg/L	5.99	6.33	7.08	7.52	8.05	8.37	8.62	8.33	9.9
Fluoride	mg/L	0.111	0.136	0.107 J	0.0923 J	0.701	0.597	0.502	0.472	0.59
pH_Field	SU	6.54	6.67	6.94	6.7	6.63	6.59	6.6	6.59	6.59
Sulfate	mg/L	559	588	707	678	895	841	829	855	860
TDS	mg/L	1060	1000	1120	1140	1620	1560	1580	1570	1470
Appendix IV										
Antimony	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	0.00069 J	0.000757 J	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	8.14e-005 J	8.05e-005 J	0.000117 J	0.00012 J	0.00169 J	0.00187 J	0.00203 J	0.00196 J	0.00189 J
Barium	mg/L	0.0401	0.0392	0.0233	0.0249	0.0243	0.0273	0.0211	0.0208	0.0227
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.000203	0.000374 J	<0.000203	0.000272 J	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	7.68e-005 J	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.309 U	0.279 U	0.579 U	0.441 U	0.271 U	0.858	0.456 U	0.624 U	0.821
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.421	0.374	0.153	0.173	0.229	0.198	0.204	0.205	0.274
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.000741	0.000746	0.000387	0.00148	0.0267	0.0362	0.0329	0.0322	0.0374

Notes:

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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-12								
		04/04/2017	05/15/2017	06/14/2017	09/21/2017	01/30/2018	05/08/2018	10/08/2018	08/28/2019	03/10/2020
Appendix III										
Boron	mg/L	2.51	2.54	2.83	3.76	--	5.61	6.35	7.06	7.52
Calcium	mg/L	167	169	177	171	--	173	174	152	138
Chloride	mg/L	9.5	8.1	8	7.7	--	6.8	6.9	7.27	7.52
Fluoride	mg/L	0.67	0.63	0.63	0.66	0.69	0.65	0.85	0.916	0.929
pH_Field	SU	6.54	6.56	6.55	6.53	6.59	6.49	6.51	6.63	6.52
Sulfate	mg/L	1100	900	1100	1100	--	1400	1500	1780	1580
TDS	mg/L	1840	1660	1960	2030	--	2400	2630	2850	2420
Appendix IV										
Antimony	mg/L	0.000652 J	0.000849 J	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00186 J	0.00167 J	0.00161 J	--	0.00189 J	0.00222 J	0.0024 J	0.00297 J	0.00353 J
Barium	mg/L	0.021	0.0229	0.0221	--	0.0224	0.0194	0.0167	0.0177	0.015
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	--	<0.002	0.00211 J	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.258 U	0.382 U	0.746	--	0.366 U	0.854 U	0.717	0.577 U	1.57
Lead	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.279	0.206	0.205	--	0.178	0.199	0.19	0.158	0.146
Mercury	mg/L	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003
Molybdenum	mg/L	0.036	0.0365	0.0368	--	0.113	0.119	0.31	0.646	0.49

Notes:

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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-12						MR-AP-MW-13D		
		10/19/2020	05/05/2021	09/07/2021	03/17/2022	05/19/2022	09/26/2022	07/20/2016	09/27/2016	11/01/2016
Appendix III										
Boron	mg/L	7.42	8.01	7.19	7.07	6.39	4.99	0.0601 J	0.0979 J	0.108
Calcium	mg/L	115	107	128	94.6	94.2	80.7	49.9	66.5	51.8
Chloride	mg/L	7.33	8.01	8.14	8.05	7.92	7.51	10.4	13.8	12
Fluoride	mg/L	0.978	0.958	0.843	1.21	1.23	0.989	0.149 J	0.076 J	0.028 J
pH_Field	SU	6.5	6.5	6.46	6.65	6.42	6.71	6.75	6.49	6.5
Sulfate	mg/L	1630	1510	1850	1730	1510	845	58.9	115	87.8
TDS	mg/L	2540	2530	2940	2580	2360	1560	307	446	398
Appendix IV										
Antimony	mg/L	<0.0008	<0.000507	0.000558 J	<0.000508	0.000656 J	<0.000508	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00463 J	0.00514	0.00507	0.0078	0.00814	0.00709	0.00239 J	0.00241 J	0.00315 J
Barium	mg/L	0.0157	0.0136	0.0191	0.0149	0.0162	0.0178	0.0827	0.0955	0.0744
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	9.27e-005 J	0.000123 J	0.000133 J	9.14e-005 J	<6.8e-005	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.000203	0.000836 J	0.00048 J	0.000772 J	0.00139	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	0.00141	0.00165	0.00113	0.00114	0.00142	<0.002	0.0021 J	0.00214 J
Combined Radium	pCi/L	0.17 U	0.446 U	0.521 U	0.656 U	--	0.62 U	0.324 U	0.385 U	0.119 U
Lead	mg/L	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001
Lithium	mg/L	0.12	0.124	0.176	0.104	0.127	0.233	0.0382 J	0.0434 J	0.0442 J
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.858	0.662	0.821	1.17	1.06	0.56	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13D								
		01/11/2017	02/15/2017	04/04/2017	05/17/2017	06/13/2017	09/19/2017	01/31/2018	05/08/2018	10/09/2018
Appendix III										
Boron	mg/L	0.0719 J	0.0714 J	0.0553 J	0.0781 J	0.0675 J	0.0732 J	--	0.083 J	0.102
Calcium	mg/L	47.2	50.7	48.9	48.7	49.2	47.3	--	47.3	44.6
Chloride	mg/L	11.7	15	13	14	14	13	--	14	14
Fluoride	mg/L	<0.01	0.1	0.12	0.13	0.13	0.11	0.13	0.14	0.18
pH_Field	SU	6.64	6.61	6.66	6.7	6.69	6.76	6.81	6.72	6.72
Sulfate	mg/L	87.1	82	82	66	79	69	--	70	54
TDS	mg/L	338	342	328	336	319	315	--	326	283
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008
Arsenic	mg/L	0.00197 J	0.00253 J	0.00179 J	0.0015 J	0.00157 J	--	0.00196 J	0.00227 J	0.00272 J
Barium	mg/L	0.0614	0.0741	0.0668	0.0725	0.0812	--	0.0843	0.078	0.0712
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.324 U	0.393 U	0.263 U	0.555 U	0.305 U	--	0.461	0.441 U	0.683
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001
Lithium	mg/L	0.041 J	0.0474 J	0.0453 J	0.0403 J	0.0362 J	--	0.0343 J	0.0391 J	0.0404
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13D			MR-AP-MW-13S					
		04/24/2019	08/29/2019	03/09/2020	07/20/2016	09/27/2016	11/01/2016	01/11/2017	02/15/2017	04/06/2017
Appendix III										
Boron	mg/L	0.0987 J	0.0961 J	0.0929 J	0.0816 J	0.0837 J	0.0837 J	0.0795 J	0.0889 J	0.0777 J
Calcium	mg/L	46	47.3	43.2	15.5	14.3	14.3	15.1	15.7	15.1
Chloride	mg/L	14.7	13.4	11.7	8.49	7.85	7.7	6.9	9.4	7.5
Fluoride	mg/L	0.199	0.144	0.159	0.106 J	0.058 J	0.078 J	<0.01	0.06 J	0.07 J
pH_Field	SU	6.67	6.8	6.68	5.63	5.63	5.58	5.56	5.58	5.53
Sulfate	mg/L	92.4	82.7	62.1	125	116	108	128	110	120
TDS	mg/L	323	307	288	319	306	305	308	305	315
Appendix IV										
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00439 J	0.00296 J	0.00866	0.00346 J	0.00306 J	0.00333 J	0.00331 J	0.00367 J	0.00321 J
Barium	mg/L	0.0726	0.0876	0.088	0.021	0.0252	0.0201	0.0183	0.0212	0.0175
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	0.00264 J	0.0247	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	0.0214	0.0211	0.0203	0.0198	0.0205	0.0216
Combined Radium	pCi/L	0.482	0.287 U	0.865	0.0664 U	0.237 U	0.724	0.172 U	1.22	-0.143 U
Lead	mg/L	<0.001	<0.001	0.00129 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0404 J	0.0432	0.0429	0.0825	0.0801	0.0825	0.0834	0.0908	0.0906
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13S								
		05/17/2017	06/13/2017	09/19/2017	01/31/2018	05/08/2018	10/09/2018	04/24/2019	08/29/2019	03/09/2020
Appendix III										
Boron	mg/L	0.095 J	0.0938 J	0.108	--	0.101	0.106	0.137 J	0.11	0.1
Calcium	mg/L	16.1	16.2	15.9	--	16.7	15.8	16	17.6	16.6
Chloride	mg/L	8.9	9.1	10	--	11	10	9.4	9.33	7.17
Fluoride	mg/L	0.09 J	0.09 J	0.11	0.09 J	0.09 J	0.12	0.161	0.103	0.119
pH_Field	SU	5.53	5.57	5.65	5.67	5.6	5.64	5.65	5.67	5.58
Sulfate	mg/L	110	120	120	--	120	120	131	137	129
TDS	mg/L	335	331	328	--	326	304	306	323	329
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00306 J	0.00337 J	--	0.00394 J	0.00384 J	0.00362 J	0.00362 J	0.00453 J	0.00403 J
Barium	mg/L	0.0182	0.0195	--	0.0207	0.0202	0.018	0.0217	0.0247	0.0198
Beryllium	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0002	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	0.0209	0.0214	--	0.0186	0.0208	0.0209	0.0237	0.0228	0.0244
Combined Radium	pCi/L	-0.25 U	0.412	--	0.175 U	0.592	0.657	0.289 U	0.1 U	0.444 U
Lead	mg/L	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0841	0.0789	--	0.0725	0.0805	0.0777	0.0788	0.0845	0.0871
Mercury	mg/L	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
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5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-14								
		07/20/2016	09/26/2016	10/31/2016	01/09/2017	02/14/2017	04/04/2017	05/17/2017	06/13/2017	09/19/2017
Appendix III										
Boron	mg/L	0.115	0.135	0.153	0.19	0.148	0.129	0.157	0.14	0.115
Calcium	mg/L	30.5	29.3	28.6	30.3	31.1	31.7	32.8	33.4	33.6
Chloride	mg/L	6.47	6.48	6.5	6.4	7.8	7.6	7.8	7.5	7.5
Fluoride	mg/L	0.182 J	0.124 J	0.074 J	0.028 J	0.17	0.17	0.17	0.17	<0.032
pH_Field	SU	6.35	6.36	6.31	6.28	6.27	6.25	6.33	6.3	6.43
Sulfate	mg/L	39.9	42.2	42.7	45.5	39	41	37	43	41
TDS	mg/L	207	211	213	219	199	209	213	217	230
Appendix IV										
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Barium	mg/L	0.0847	0.0926	0.076	0.0727	0.0796	0.0663	0.0762	0.0671	--
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Combined Radium	pCi/L	0.386 U	0.226 U	0.321 U	-0.00596 U	0.202 U	0.314 U	0.359 U	0.096 U	--
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Lithium	mg/L	0.0206 J	0.0212 J	0.0221 J	0.0226 J	0.0225 J	0.0221 J	0.0213 J	0.0203 J	--
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--

Notes:

1. mg/L - Milligrams per Liter
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3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS					
		MR-AP-MW-14					
		01/30/2018	05/08/2018	10/09/2018	04/24/2019	08/28/2019	03/04/2020
Appendix III							
Boron	mg/L	--	0.102	0.118	0.121 J	0.126	0.122
Calcium	mg/L	--	34	32.8	33.6	36.5	34.2
Chloride	mg/L	--	7.6	7.6	7.29	7.3	7.6
Fluoride	mg/L	0.17	0.18	0.21	0.22	0.192	0.184
pH_Field	SU	6.4	6.38	6.41	6.44	6.31	6.38
Sulfate	mg/L	--	42	41	47.2	51.8	45.2
TDS	mg/L	--	224	213	218	213	232
Appendix IV							
Antimony	mg/L	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0772	0.0753	0.0623	0.0723	0.0784	0.0632
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.774	0.65	0.631	0.252 U	-0.0208 U	0.637
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0183 J	0.0205 J	0.0195 J	<0.0203	0.0213	0.0204
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-21								GS-AP-MW-8
		03/06/2019	08/28/2019	03/09/2020	10/13/2020	04/28/2021	09/14/2021	03/17/2022	09/26/2022	08/03/2016
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-8								
		09/21/2016	10/25/2016	12/13/2016	02/06/2017	03/28/2017	04/24/2017	06/07/2017	08/21/2017	02/19/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-8								
		05/15/2018	10/16/2018	04/16/2019	09/24/2019	03/18/2020	09/21/2020	02/02/2021	08/10/2021	02/16/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-8	MR-AP-MW-22S						MR-AP-MW-22I	
		08/02/2022	10/14/2020	04/20/2021	06/16/2021	09/15/2021	03/16/2022	09/21/2022	10/20/2020	04/20/2021
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.000508	<0.002	<0.000507
Thallium	mg/L	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-22I				MR-AP-MW-22D				
		06/16/2021	09/15/2021	03/16/2022	09/21/2022	10/26/2020	04/27/2021	06/16/2021	09/14/2021	03/17/2022
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.000508	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-	MR-AP-MW-23							GS-AP-MW-
		09/21/2022	03/09/2020	04/09/2020	10/14/2020	05/05/2021	09/15/2021	03/15/2022	09/14/2022	02/20/2019
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002
Thallium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GS-AP-MW-17V								MR-AP-MW-
		09/24/2019	03/25/2020	09/23/2020	02/02/2021	08/02/2021	02/14/2022	05/11/2022	08/09/2022	10/14/2020
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.000507	<0.000508	0.000995 J	--	<0.000508	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	--	<6.8e-005	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-23A					MR-AP-MW-1			
		04/27/2021	06/16/2021	09/15/2021	03/16/2022	09/14/2022	07/25/2016	09/26/2016	11/02/2016	01/11/2017
Appendix IV										
Selenium	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-1								
		02/13/2017	03/30/2017	04/03/2017	05/15/2017	06/14/2017	09/19/2017	01/29/2018	05/09/2018	10/09/2018
Appendix IV										
Selenium	mg/L	<0.002	--	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-1								MR-AP-MW-2
		05/01/2019	08/27/2019	03/09/2020	10/19/2020	04/20/2021	09/08/2021	03/15/2022	09/19/2022	07/25/2016
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	0.000566 J	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-2								
		09/28/2016	11/01/2016	01/11/2017	02/14/2017	04/04/2017	05/16/2017	06/14/2017	09/20/2017	01/30/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Thallium	mg/L	0.000214 J	<0.0002	<0.0002	0.000219 J	0.000202 J	<0.0002	0.000266 J	--	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-2								
		05/09/2018	10/09/2018	05/01/2019	08/27/2019	03/03/2020	10/21/2020	04/26/2021	09/14/2021	03/16/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-2	MR-AP-MW-3S							
		09/26/2022	07/19/2016	09/26/2016	10/31/2016	01/09/2017	02/13/2017	03/29/2017	04/03/2017	05/16/2017
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3S								
		06/12/2017	09/20/2017	01/29/2018	05/10/2018	10/09/2018	04/22/2019	08/27/2019	03/03/2020	10/13/2020
Appendix IV										
Selenium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3S				MR-AP-MW-3D				
		05/05/2021	09/07/2021	03/16/2022	09/19/2022	07/19/2016	09/26/2016	10/31/2016	01/09/2017	02/13/2017
Appendix IV										
Selenium	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3D								
		03/29/2017	04/03/2017	05/16/2017	06/12/2017	09/20/2017	01/29/2018	05/10/2018	10/09/2018	04/29/2019
Appendix IV										
Selenium	mg/L	--	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	--	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-3D							MR-AP-MW-4	
		08/27/2019	03/03/2020	10/13/2020	05/05/2021	09/07/2021	03/16/2022	09/19/2022	07/19/2016	09/27/2016
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	0.0023 J
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4								
		11/01/2016	01/09/2017	02/13/2017	03/30/2017	04/04/2017	05/16/2017	06/12/2017	09/20/2017	01/29/2018
Appendix IV										
Selenium	mg/L	<0.002	0.00278 J	0.00291 J	--	0.00343 J	0.003 J	0.00255 J	--	0.00273 J
Thallium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4								
		05/09/2018	10/08/2018	04/29/2019	08/27/2019	03/04/2020	10/14/2020	04/26/2021	09/01/2021	03/15/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00112	0.000772 J	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	7.23e-005 J

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4	MR-AP-MW-5							
		09/26/2022	07/26/2016	09/28/2016	11/02/2016	01/10/2017	02/14/2017	04/03/2017	05/17/2017	06/12/2017
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-5								
		09/18/2017	01/31/2018	05/09/2018	10/08/2018	04/23/2019	08/28/2019	03/02/2020	10/21/2020	05/03/2021
Appendix IV										
Selenium	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507
Thallium	mg/L	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-5			MR-AP-PZ-5					
		09/08/2021	03/14/2022	09/20/2022	07/26/2016	09/28/2016	11/02/2016	01/12/2017	02/13/2017	03/30/2017
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	0.00243	<0.002	<0.002	<0.002	<0.002	<0.002	--
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-PZ-5								
		04/03/2017	05/17/2017	06/12/2017	09/18/2017	01/31/2018	05/09/2018	10/08/2018	04/23/2019	08/29/2019
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-PZ-5						MR-AP-MW-6		
		03/02/2020	10/21/2020	05/03/2021	09/08/2021	03/14/2022	09/20/2022	07/26/2016	09/28/2016	11/01/2016
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	0.0351	0.0259	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-6								
		01/09/2017	02/13/2017	03/29/2017	04/03/2017	05/16/2017	06/12/2017	09/18/2017	01/31/2018	05/09/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-6								
		10/08/2018	04/23/2019	08/28/2019	03/03/2020	10/20/2020	04/28/2021	09/01/2021	03/16/2022	09/21/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7SR					MR-AP-MW-7DR			
		10/20/2020	04/27/2021	09/01/2021	03/08/2022	09/20/2022	10/20/2020	04/27/2021	09/01/2021	03/08/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.000507	<0.000508	<0.000508
Thallium	mg/L	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-	MR-AP-MW-9SR					MR-AP-MW-9DR		
		09/20/2022	10/15/2020	04/27/2021	09/01/2021	03/08/2022	09/21/2022	10/15/2020	04/27/2021	09/01/2021
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.000507	<0.000508
Thallium	mg/L	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9DR		MR-AP-MW-13SR					MR-AP-MW-13DR	
		03/08/2022	09/21/2022	10/20/2020	04/21/2021	09/07/2021	03/09/2022	09/19/2022	10/20/2020	04/21/2021
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.000507	<0.000508	<0.000508	0.000598 J	<0.002	<0.000507
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	7.01e-005 J	7.55e-005 J	0.000133 J	0.000159 J	<0.0002	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13DR			MR-AP-MW-14R					MR-AP-MW-15
		09/07/2021	03/09/2022	09/19/2022	10/20/2020	04/21/2021	09/13/2021	03/09/2022	09/26/2022	07/19/2016
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-15								
		09/26/2016	10/31/2016	01/09/2017	02/14/2017	04/04/2017	05/16/2017	06/12/2017	09/19/2017	01/31/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-15								
		05/07/2018	10/09/2018	04/24/2019	08/28/2019	03/04/2020	10/13/2020	04/26/2021	09/01/2021	03/09/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-15	MR-AP-MW-16							
		09/20/2022	07/19/2016	09/26/2016	10/31/2016	01/09/2017	02/14/2017	04/03/2017	05/16/2017	06/12/2017
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	0.00341 J	<0.002	0.00273 J	0.00281 J	0.00262 J	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	0.000242 J	<0.0002	0.000226 J	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-16								
		09/19/2017	01/30/2018	05/07/2018	10/09/2018	04/24/2019	08/28/2019	03/03/2020	10/13/2020	04/21/2021
Appendix IV										
Selenium	mg/L	--	<0.002	0.00204 J	<0.002	<0.002	<0.002	0.00271 J	0.00351 J	0.000975 J
Thallium	mg/L	--	<0.0002	0.0003 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	7.18e-005 J

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-16			MR-AP-MW-4V					
		09/01/2021	03/08/2022	09/20/2022	03/05/2019	08/27/2019	03/04/2020	10/14/2020	04/26/2021	09/01/2021
Appendix IV										
Selenium	mg/L	0.00629	0.00207	0.000632 J	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	<6.8e-005	7.15e-005 J	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-4V		MR-AP-MW-6V						
		03/15/2022	09/26/2022	03/05/2019	08/28/2019	12/19/2019	03/03/2020	10/19/2020	04/28/2021	09/08/2021
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-6V		MR-AP-MW-17H						
		03/16/2022	09/26/2022	03/06/2019	08/27/2019	03/10/2020	10/13/2020	05/05/2021	09/07/2021	03/08/2022
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-	MR-AP-MW-18H							
		09/14/2022	03/06/2019	08/27/2019	03/10/2020	10/13/2020	05/05/2021	09/14/2021	03/08/2022	09/21/2022
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-19HA						MR-AP-MW-20H		
		03/09/2020	10/14/2020	04/20/2021	09/13/2021	03/09/2022	09/14/2022	03/06/2019	09/03/2019	03/10/2020
Appendix IV										
Selenium	mg/L	0.00512 J	<0.002	<0.000507	<0.000508	0.00251	<0.000508	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-20H					MR-AP-MW-20HS			
		10/19/2020	04/28/2021	09/08/2021	03/09/2022	09/21/2022	03/06/2019	09/03/2019	03/10/2020	10/19/2020
Appendix IV										
Selenium	mg/L	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-20HS				MR-AP-MW-27HR				
		05/03/2021	09/08/2021	03/09/2022	09/21/2022	10/26/2020	05/03/2021	09/14/2021	03/14/2022	09/21/2022
Appendix IV										
Selenium	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.000507	<0.000508	0.000529 J	<0.000508
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-28H						MR-AP-MW-30H		
		03/09/2020	10/19/2020	04/20/2021	09/13/2021	03/14/2022	09/20/2022	03/10/2020	10/20/2020	04/21/2021
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	0.00228 J	<0.002	<0.000507
Thallium	mg/L	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-30H			MR-AP-MW-32H					
		09/13/2021	03/16/2022	09/19/2022	03/10/2020	10/15/2020	04/28/2021	09/14/2021	03/09/2022	09/21/2022
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	0.000982 J	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-33H						MR-AP-MW-34H		
		03/05/2020	10/14/2020	05/03/2021	09/08/2021	03/14/2022	09/20/2022	03/09/2020	10/21/2020	04/21/2021
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	0.0461	<0.002	<0.000507
Thallium	mg/L	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-34H			MR-AP-MW-35H					
		09/13/2021	03/09/2022	09/19/2022	03/10/2020	10/13/2020	05/05/2021	09/07/2021	03/08/2022	09/19/2022
Appendix IV										
Selenium	mg/L	<0.000508	0.00131	<0.000508	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-36HR					MR-AP-MW-37H			
		10/27/2020	04/21/2021	09/13/2021	03/16/2022	09/14/2022	03/09/2020	10/19/2020	05/03/2021	09/15/2021
Appendix IV										
Selenium	mg/L	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-37H		MR-AP-MW-31H					MR-AP-MW-7S	
		03/17/2022	09/27/2022	10/27/2020	04/27/2021	09/13/2021	03/16/2022	09/20/2022	07/21/2016	09/27/2016
Appendix IV										
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.000507	<0.000508	<0.000508	0.000513 J	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7S								
		11/01/2016	01/10/2017	02/14/2017	04/04/2017	05/16/2017	06/13/2017	09/18/2017	01/30/2018	05/09/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7S				MR-AP-MW-7D				
		10/09/2018	04/24/2019	08/28/2019	03/03/2020	07/21/2016	09/27/2016	11/01/2016	01/10/2017	02/14/2017
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7D								
		04/04/2017	05/16/2017	06/13/2017	09/18/2017	01/29/2018	05/09/2018	10/09/2018	04/24/2019	08/28/2019
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-7D	MR-AP-MW-8S							
		03/03/2020	07/25/2016	09/27/2016	11/01/2016	01/10/2017	02/14/2017	04/04/2017	05/16/2017	06/13/2017
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-8S							MR-AP-MW-8D	
		09/19/2017	01/30/2018	05/09/2018	10/09/2018	04/24/2019	08/28/2019	03/03/2020	07/25/2016	09/28/2016
Appendix IV										
Selenium	mg/L	--	<0.002	0.00359 J	<0.002	<0.002	<0.002	0.00202 J	<0.002	<0.002
Thallium	mg/L	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-8D								
		11/01/2016	01/10/2017	02/15/2017	04/04/2017	05/17/2017	06/13/2017	09/19/2017	01/30/2018	05/09/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-8D				MR-AP-MW-9S				
		10/09/2018	04/24/2019	08/28/2019	03/03/2020	07/20/2016	09/27/2016	11/02/2016	01/12/2017	02/15/2017
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00211 J
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9S								
		04/06/2017	05/17/2017	06/14/2017	09/19/2017	01/30/2018	05/08/2018	10/09/2018	04/24/2019	08/27/2019
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	--	0.00357 J	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9S	MR-AP-MW-9D							
		03/03/2020	07/20/2016	09/28/2016	11/01/2016	01/10/2017	02/15/2017	04/04/2017	05/17/2017	06/13/2017
Appendix IV										
Selenium	mg/L	0.00584 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-9D							MR-AP-MW-10	
		09/19/2017	01/30/2018	05/08/2018	10/09/2018	04/24/2019	08/27/2019	03/03/2020	07/25/2016	09/27/2016
Appendix IV										
Selenium	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-10								
		10/31/2016	01/11/2017	02/14/2017	04/06/2017	05/17/2017	06/13/2017	09/21/2017	01/31/2018	05/10/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-10								
		10/08/2018	04/24/2019	08/29/2019	03/09/2020	10/19/2020	05/03/2021	09/15/2021	03/17/2022	05/19/2022
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-10	MR-AP-MW-11							
		09/26/2022	07/25/2016	09/27/2016	11/01/2016	01/12/2017	02/13/2017	03/30/2017	04/04/2017	05/16/2017
Appendix IV										
Selenium	mg/L	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-11								
		06/14/2017	09/19/2017	01/30/2018	05/08/2018	10/09/2018	05/01/2019	08/28/2019	03/03/2020	10/20/2020
Appendix IV										
Selenium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-11				MR-AP-MW-12				
		04/21/2021	09/14/2021	03/16/2022	09/20/2022	07/20/2016	09/27/2016	11/01/2016	01/11/2017	02/15/2017
Appendix IV										
Selenium	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-12								
		04/04/2017	05/15/2017	06/14/2017	09/21/2017	01/30/2018	05/08/2018	10/08/2018	08/28/2019	03/10/2020
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-12						MR-AP-MW-13D		
		10/19/2020	05/05/2021	09/07/2021	03/17/2022	05/19/2022	09/26/2022	07/20/2016	09/27/2016	11/01/2016
Appendix IV										
Selenium	mg/L	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13D								
		01/11/2017	02/15/2017	04/04/2017	05/17/2017	06/13/2017	09/19/2017	01/31/2018	05/08/2018	10/09/2018
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13D			MR-AP-MW-13S					
		04/24/2019	08/29/2019	03/09/2020	07/20/2016	09/27/2016	11/01/2016	01/11/2017	02/15/2017	04/06/2017
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-13S								
		05/17/2017	06/13/2017	09/19/2017	01/31/2018	05/08/2018	10/09/2018	04/24/2019	08/29/2019	03/09/2020
Appendix IV										
Selenium	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		MR-AP-MW-14								
		07/20/2016	09/26/2016	10/31/2016	01/09/2017	02/14/2017	04/04/2017	05/17/2017	06/13/2017	09/19/2017
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS					
		MR-AP-MW-14					
		01/30/2018	05/08/2018	10/09/2018	04/24/2019	08/28/2019	03/04/2020
Appendix IV							
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Southern Company

ANALYTICAL DATA SUMMARY
Ash Pond (07/19/2016 - 09/27/2022)
APC Plant Miller
Jefferson County Alabama

Notes:

1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
3. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL). Values are displayed as less that the PQL with a J.
4. < - Constituent was analyzed for, but was not detected above the MDL and is considered a non-detect. Value is displayed as less than the PQL.
5. Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
6. Annual sampling for Appendix IV constituents only was completed following initiation of assessment monitoring. Appendix III constituents were not required during this monitoring event.

Appendix B

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
08/01/2016 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date															
			08/01/16	10/24/16	12/12/16	02/06/17	03/27/17	04/24/17	06/05/17	08/21/17	02/19/18	04/02/18	05/14/18	10/15/18	03/13/19	04/15/19	08/26/19	09/23/19	03/02/20
MR-AP-MW-21	Upgradient	Pottsville Fm - Lower Mary Lee Group													353.66		347.51		353.64
GS-AP-MW-8	Upgradient	Pottsville Fm - Pratt Strata	388.05	386.81	387.48	388.46	388.59	389.32	389.28	389.87	391.02	390.73	391.08	389.43	391.66	391.88		387.52	
MR-AP-MW-22S	Upgradient	Pottsville Fm - Lower Mary Lee Group																	
MR-AP-MW-22I	Upgradient	Pottsville Fm - Lower Mary Lee Group																	
MR-AP-MW-22D	Upgradient	Pottsville Fm - Lower Mary Lee Group																	
MR-AP-MW-23	Upgradient	Pottsville Fm - Lower Mary Lee Group																	341.79
GS-AP-MW-17V	Upgradient	Pottsville Fm - Shallow Water Table													424.68			419.40	
MR-AP-MW-23A	Upgradient	Pottsville Fm - Lower Mary Lee Group																	

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
08/01/2016 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date												
			03/16/20	09/14/20	10/12/20	02/01/21	04/19/21	06/09/21	06/15/21	07/26/21	09/01/21	02/07/22	03/07/22	07/18/22	09/13/22
MR-AP-MW-21	Upgradient	Pottsville Fm - Lower Mary Lee Group					352.84		351.83		351.25		353.24		349.46
GS-AP-MW-8	Upgradient	Pottsville Fm - Pratt Strata	390.10	389.42		390.61		390.32		390.70		391.47		391.20	
MR-AP-MW-22S	Upgradient	Pottsville Fm - Lower Mary Lee Group					350.24		350.42		349.87		350.27		349.22
MR-AP-MW-22I	Upgradient	Pottsville Fm - Lower Mary Lee Group					335.52		335.15		335.21		336.16		334.85
MR-AP-MW-22D	Upgradient	Pottsville Fm - Lower Mary Lee Group			333.27		335.52		335.08		335.19		335.98		334.78
MR-AP-MW-23	Upgradient	Pottsville Fm - Lower Mary Lee Group			341.07		341.79		341.39		341.08		342.07		340.65
GS-AP-MW-17V	Upgradient	Pottsville Fm - Shallow Water Table	425.61	423.83		426.50		425.16		426.11		425.19		422.40	
MR-AP-MW-23A	Upgradient	Pottsville Fm - Lower Mary Lee Group			341.10		341.88		341.43		341.17		342.12		340.73

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.

Southern Company

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
06/28/2016 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date															
			06/28/16	07/18/16	09/26/16	10/31/16	01/09/17	02/13/17	04/04/17	05/15/17	06/12/17	09/18/17	01/29/18	03/27/18	05/07/18	10/08/18	03/13/19	04/22/19	08/26/19
MR-AP-MW-1	Downgradient	Pottsville Fm - Mary Lee Coal	279.34	278.77	277.96	277.54	278.01	280.54	282.04	280.13	280.46	279.72	280.25	280.60	280.84	279.10	280.60	280.76	278.27
MR-AP-MW-2	Downgradient	Pottsville Fm - Mary Lee Coal	279.24	278.69	277.88	277.37	277.92	280.47	281.84	280.06	280.32	279.62	280.23	280.52	280.74	278.99	280.51	280.68	278.20
MR-AP-MW-3S	Downgradient	Pottsville Formation - Gillespy Sandstone	346.43	346.22	346.74	346.38	346.44	347.45	348.13	346.90	347.17	347.07	347.21	347.99	348.94	325.30	349.22	348.63	347.60
MR-AP-MW-3D	Downgradient	Pottsville Formation - Sandstone	326.51	326.34	326.06	325.96	327.05	328.58	333.38	326.12	327.47	326.69	325.42	326.56	326.79	348.61	327.82	329.33	325.26
MR-AP-MW-4	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	381.21	381.14	381.11	381.02	380.99	381.05	381.61	380.90	381.07	381.03	380.79	380.89	380.92	380.81	381.03	381.04	380.58
MR-AP-MW-5	Downgradient	Pottsville Fm - Gillespy Lower Discrete		Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian
MR-AP-PZ-5	Downgradient	Pottsville Fm - Mary Lee Coal		Artesian	278.39	277.47	277.88	Artesian	Artesian	279.13	279.45	Artesian	Artesian	Artesian	279.22	Artesian	Artesian	Artesian	Artesian
MR-AP-MW-6	Downgradient	Pottsville Fm - Gillespy to Pratt Transition		Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian
MR-AP-MW-7SR	Downgradient	Pottsville Fm - Gillespy to Pratt Transition																	
MR-AP-MW-7DR	Downgradient	Pottsville Fm - Lower Gillespy SS																	
MR-AP-MW-9SR	Downgradient	Pottsville Fm - Pratt Group																	
MR-AP-MW-9DR	Downgradient	Pottsville Fm - Pratt Group																	
MR-AP-MW-13SR	Downgradient	Pottsville Fm - Pratt Group																	
MR-AP-MW-13DR	Downgradient	Pottsville Fm - Gillespy to Pratt Transition																	
MR-AP-MW-14R	Downgradient	Pottsville Fm - Gillespy to Pratt Transition																	
MR-AP-MW-15	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	401.00	400.81	400.81	400.35	401.08	402.06	402.14	401.48	401.80	402.01	401.50	402.11	402.17	400.04	400.80	400.77	399.50
MR-AP-MW-16	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	388.20	388.27	388.35	387.53	389.29	390.37	394.37	388.43	389.21	389.37	388.34	389.61	389.69	388.90	392.06	391.31	387.14
MR-AP-MW-10	Downgradient	Pottsville Fm - Pratt Group	412.63	412.63	412.98	413.04	413.36	413.76	414.64	413.76	414.21	414.39	414.62	414.94	415.20	415.14	416.57	415.90	414.24

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.
(2) NM = Not Measured

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
06/28/2016 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date						
			03/02/20	10/12/20	04/19/21	06/15/21	09/01/21	03/07/22	09/13/22
MR-AP-MW-1	Downgradient	Pottsville Fm - Mary Lee Coal	280.36		280.26	280.06	280.20	280.20	279.10
MR-AP-MW-2	Downgradient	Pottsville Fm - Mary Lee Coal	280.29		280.21	280.00	280.18	280.13	279.02
MR-AP-MW-3S	Downgradient	Pottsville Formation - Gillespy Sandstone	350.33		349.06	349.16	347.96	348.45	338.66
MR-AP-MW-3D	Downgradient	Pottsville Formation - Sandstone	327.69		328.13	329.02	329.48	325.10	319.46
MR-AP-MW-4	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	381.42		380.56	380.26	378.82	373.87	361.96
MR-AP-MW-5	Downgradient	Pottsville Fm - Gillespy Lower Discrete	Artesian		Artesian	Artesian	Artesian	Artesian	Artesian
MR-AP-PZ-5	Downgradient	Pottsville Fm - Mary Lee Coal	Artesian		Artesian	Artesian	Artesian	Artesian	Artesian
MR-AP-MW-6	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	Artesian		Artesian	Artesian	Artesian	Artesian	365.28
MR-AP-MW-7SR	Downgradient	Pottsville Fm - Gillespy to Pratt Transition			329.37	329.31	328.34	327.06	323.33
MR-AP-MW-7DR	Downgradient	Pottsville Fm - Lower Gillespy SS			258.65	258.52	258.69	259.04	258.16
MR-AP-MW-9SR	Downgradient	Pottsville Fm - Pratt Group			410.62	410.01	406.16	397.41	388.88
MR-AP-MW-9DR	Downgradient	Pottsville Fm - Pratt Group			402.47	402.48	399.23	395.18	386.01
MR-AP-MW-13SR	Downgradient	Pottsville Fm - Pratt Group			428.63	428.73	428.84	429.38	424.01
MR-AP-MW-13DR	Downgradient	Pottsville Fm - Gillespy to Pratt Transition			382.83	382.15	381.06	380.12	376.12
MR-AP-MW-14R	Downgradient	Pottsville Fm - Gillespy to Pratt Transition			410.74	410.34	410.48	411.09	407.93
MR-AP-MW-15	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	401.10		399.41	399.74	399.94	399.35	397.16
MR-AP-MW-16	Downgradient	Pottsville Fm - Gillespy to Pratt Transition	392.46		387.95	389.23	392.06	387.36	385.69
MR-AP-MW-10	Downgradient	Pottsville Fm - Pratt Group	417.29		416.78	416.60	412.07	399.33	390.84

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.
(2) NM = Not Measured

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
06/28/2016 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date															
			06/28/16	07/18/16	09/26/16	10/31/16	01/09/17	02/13/17	04/04/17	05/15/17	06/12/17	09/18/17	01/29/18	03/27/18	05/07/18	10/08/18	03/13/19	04/22/19	08/26/19
MR-AP-MW-11	Downgradient	Pottsville Fm - Pratt Group	361.29	361.79	362.55	362.52	362.98	364.17	364.89	365.70	366.35	366.69	365.43	367.16	367.88	366.28	371.32	369.09	365.39
MR-AP-MW-12	Downgradient	Pottsville Fm - Pratt Group	415.88	415.85	415.85	382.87	416.05	416.29	416.97	416.11	416.40	416.43	416.45	416.55	416.59	416.32	NM	416.17	415.14
MR-AP-MW-7S	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	324.95	324.88	324.54	324.30	324.78	325.67	326.76	325.91	326.27	326.96	326.62	327.02	327.60	327.43	328.97	328.41	327.62
MR-AP-MW-7D	Abandoned	Pottsville Fm - Lower Gillespy SS	257.69	257.35	257.78	257.24	257.86	258.41	261.57	258.05	257.96	258.05	258.03	258.29	258.41	257.77	257.97	258.63	257.91
MR-AP-MW-8S	Abandoned	Pottsville Fm - Pratt Group	419.42	419.31	419.25	419.28	419.32	419.64	420.70	419.25	419.55	419.42	419.35	419.63	419.67	419.28	420.28	419.92	418.23
MR-AP-MW-8D	Abandoned	Pottsville Fm - Pratt Group	412.26	412.29	412.72	412.78	412.88	413.16	414.10	413.13	413.49	413.51	413.37	413.68	413.79	413.50	414.70	414.34	412.78
MR-AP-MW-9S	Abandoned	Pottsville Fm - Pratt Group	418.54	418.44	418.88	418.83	420.68	422.70	424.68	420.27	421.96	421.12	423.90	421.96	422.17	420.54	423.25	422.40	419.21
MR-AP-MW-9D	Abandoned	Pottsville Fm - Pratt Group	412.46	412.38	412.51	412.64	412.81	412.94	413.51	412.67	412.85	412.88	412.81	412.90	412.88	412.74	413.43	412.87	411.60
MR-AP-MW-13D	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	420.62	420.26	420.32	419.74	418.93	419.15	416.22	411.49	411.06	407.34	403.54	402.89	400.75	395.85	397.65	396.79	397.06
MR-AP-MW-13S	Abandoned	Pottsville Fm - Pratt Group	422.89	422.60	422.74	422.42	423.21	423.93	424.63	423.33	423.62	423.79	423.60	424.29	424.43	423.44	425.30	424.23	420.93
MR-AP-MW-14	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	409.71	409.29	409.27	408.92	409.67	411.24	412.38	410.61	411.25	410.93	410.82	411.24	411.32	410.02	412.05	411.58	407.99
MR-AP-MW-27H	Abandoned	Pottsville Fm - Unassigned																	
MR-AP-MW-29H	Abandoned	Pottsville Fm - Unassigned																	
MR-AP-MW-36H	Abandoned	Pottsville Fm - Unassigned																	

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.
(2) NM = Not Measured

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
06/28/2016 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date						
			03/02/20	10/12/20	04/19/21	06/15/21	09/01/21	03/07/22	09/13/22
MR-AP-MW-11	Downgradient	Pottsville Fm - Pratt Group	371.89		370.58	368.76	367.13	364.21	358.37
MR-AP-MW-12	Downgradient	Pottsville Fm - Pratt Group	417.49		416.17	415.71	411.69	406.44	395.25
MR-AP-MW-7S	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	329.53						
MR-AP-MW-7D	Abandoned	Pottsville Fm - Lower Gillespy SS	258.40						
MR-AP-MW-8S	Abandoned	Pottsville Fm - Pratt Group	420.53						
MR-AP-MW-8D	Abandoned	Pottsville Fm - Pratt Group	415.54						
MR-AP-MW-9S	Abandoned	Pottsville Fm - Pratt Group	423.24						
MR-AP-MW-9D	Abandoned	Pottsville Fm - Pratt Group	413.73						
MR-AP-MW-13D	Abandoned	Pottsville Fm - Gillespy to Pratt Transition	401.30						
MR-AP-MW-13S	Abandoned	Pottsville Fm - Pratt Group	425.40						
MR-AP-MW-14	Abandoned	Pottsville Fm - Gillespy to Pratt Transition							
MR-AP-MW-27H	Abandoned	Pottsville Fm - Unassigned	174.02						
MR-AP-MW-29H	Abandoned	Pottsville Fm - Unassigned	353.07	NM	NM	NM			
MR-AP-MW-36H	Abandoned	Pottsville Fm - Unassigned	327.59						

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.
(2) NM = Not Measured

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
03/13/2019 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date								
			03/13/19	08/26/19	03/02/20	10/12/20	04/19/21	06/15/21	09/01/21	03/07/22	09/13/22
MR-AP-MW-4V	Vertical Delineation	Pottsville Fm - Gillespy Lower Discrete	336.60	335.70	336.99		336.68	336.82	336.60	331.68	325.79
MR-AP-MW-6V	Vertical Delineation	Pottsville Fm - Lower Gillespy SS	258.91	259.34	259.64		259.76	259.81	259.99	260.47	259.56
MR-AP-MW-17H	Horizontal Delineation	Pottsville Fm - Lower Mary Lee Group	255.34	254.92	257.49		255.47	255.16	255.71	255.42	234.29
MR-AP-MW-18H	Horizontal Delineation	Pottsville Fm - Upper Mary Lee Group	291.24	286.33	286.03		284.06	283.85	284.32	284.41	281.36
MR-AP-MW-19HA	Horizontal Delineation	Pottsville Fm - Mary Lee Coal			286.58		280.91	280.64	280.86	281.06	279.82
MR-AP-MW-20H	Horizontal Delineation	Pottsville Fm - Lower Gillespy SS	259.20	259.78	261.36		261.56	261.49	261.65	261.42	260.57
MR-AP-MW-20HS	Horizontal Delineation	Pottsville Fm - Gillespy Lower Discrete	333.33	333.44	335.20		335.07	334.04	333.43	330.46	326.30
MR-AP-MW-27HR	Horizontal Delineation	Pottsville Fm - Gillespy to Pratt Transition				382.53	382.60	381.63	380.29	377.39	372.40
MR-AP-MW-28H	Horizontal Delineation	Pottsville Fm - Pratt Group			409.70	408.31	409.43	408.88	407.03	405.45	400.08
MR-AP-MW-30H	Horizontal Delineation	Pottsville Fm - Pratt Group			364.53	361.56	360.88	358.78	358.01	348.37	344.10
MR-AP-MW-32H	Horizontal Delineation	Pottsville Fm - Lower Gillespy SS			260.03	259.28	259.98	259.81	260.03	261.18	259.91
MR-AP-MW-33H	Horizontal Delineation	Pottsville Fm - Gillespy Lower Discrete			310.15	306.41	306.95	307.11	306.73	304.02	300.77
MR-AP-MW-34H	Horizontal Delineation	Pottsville Fm - Mary Lee Coal			284.00	278.75	280.38	280.12	280.27	280.26	279.24
MR-AP-MW-35H	Horizontal Delineation	Pottsville Fm - Mary Lee Coal			296.01	291.72	295.16	293.81	294.01	295.95	292.71
MR-AP-MW-36HR	Horizontal Delineation	Pottsville Fm - Pratt Group				380.81	347.61	346.62	345.39	341.99	338.52
MR-AP-MW-37H	Horizontal Delineation	Pottsville Fm - Gillespy to Pratt Transition			335.14	332.82	334.68	333.20	333.92	314.84	332.02
MR-AP-MW-31H	Horizontal Delineation	Pottsville Fm - Gillespy to Pratt Transition			321.78	318.50	321.48	320.08	319.42	306.75	306.10
MR-AP-MW-2V	Piezometer	Pottsville Fm - Lower Mary Lee Group			213.67		215.55	229.41	232.96	215.74	241.97
MR-AP-MW-3V	Piezometer	Pottsville Fm - Upper Mary Lee Group			282.30		281.18	280.91	280.93	281.00	279.65

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.

Appendix B. Historical Groundwater Elevations Summary

Plant Miller Ash Pond
03/13/2019 - 09/13/2022

Well	Hydraulic Location	Geologic Unit	Measure Date								
			03/13/19	08/26/19	03/02/20	10/12/20	04/19/21	06/15/21	09/01/21	03/07/22	09/13/22
MR-AP-MW-19H	Piezometer	Pottsville Fm - Unassigned			144.04		155.51	156.99	158.96	163.03	168.49

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.

Appendix C

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

2022 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).

Rainy conditions were present when pumping and sampling wells MW-6V, MW-4V, MW-1, MW-4, MW-31H, MW-9DR, MW-32H, MW-16, MW-23A, MW-18H, MW-7SR & MW-7DR.

Suspected iron bacteria was initially present when pumping wells MW-7SR, MW-15 & MW-33H.

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.

Water Level Record/Well Inspection

Groundwater

APC General Testing Laboratory
General Service Complex Building 8

Y

User Name: bwvick
PIN: 122378
Reason: resubmit

Submit

Date: 03/07/2022
Location: Miller Ash Pond
Collector: TJ Daugherty

Weather: cloudy 50

			In Good Condition					
Well	Time	Water Level (ft)	Locks	Bollards	Pad	Protective Casing	Name Plate	Comment
MW-1	1134	193.48	✔	✔	✔	✔	✔	DFG
MW-2	1033	202.20	✔	✔	✔	✔	✔	DFG
MW-2V	1036	264.72	✔	✔	✔	✔	✔	DFG
MW-3V	1118	157.04	✔	✔	✔	✔	✔	DFG
MW-3D	1117	111.96	✔	✔	✔	✔	✔	DFG
MW-3S	1114	87.82	✔	✔	✔	✔	✔	DFG
MW-4	1121	48.60	✔	✔	✔	✔	✔	DFG
MW-4V	1123	90.54	✔	✔	✔	✔	✔	DFG
MW-5	1118	0	✔	✔	✔	✔	✔	
PZ-5	1120	0	✔	✔	✔	✔	✔	
MW-6	1103	0	✔	✔	✔	✔	✔	Water at top of case but not outflowing
MW-6V	1100	115.48	✔	✔	✔	✔	✔	
MW-7DR	1054	76.40	✔	✔	✔	✔	✔	
MW-7SR	1052	8.59	✔	✔	✔	✔	✔	
MW-9DR	1028	70.94	✔	✔	✔	✔	✔	
MW-9SR	1025	68.19	✔	✔	✔	✔	✔	
MW-10	1140	142.41	✔	✔	✔	✔	✔	
MW-11	1156	229.81	✔	✔	✔	✔	✔	
MW-12	1140	98.09	✔	✔	✔	✔	✔	
MW-13DR	1015	77.42	✔	✔	✔	✔	✔	
MW-13SR	1013	27.96	✔	✔	✔	✔	✔	
MW-14R	1010	14.96	✔	✔	✔	✔	✔	
MW-15	1004	14.30	✔	✔	✔	✔	✔	TJ
MW-16	0959	31.19	✔	✔	✔	✔	✔	TJ
MW-17H	1016	20.90	✔	✔	✔	✔	✔	DFG
MW-18H	1105	164.57	✔	✔	✔	✔	✔	DFG
MW-19H	1046	221.20	✔	✔	✔	✔	✔	DFG
MW-19HA	1049	118.87	✔	✔	✔	✔	✔	DFG
MW-20H	1109	122.81	✔	✔	✔	✔	✔	
MW-20HS	1106	42.72	✔	✔	✔	✔	✔	
MW-21	0930	19.94	✔	✔	✔	✔	✔	
MW-22S	0939	14.37	✔	✔	✔	✔	✔	
MW-22I	0937	28.11	✔	✔	✔	✔	✔	

Water Level Record/Well Inspection

Groundwater

APC General Testing Laboratory
General Service Complex Building 8

Y

User Name: bwvick
PIN: 122378
Reason: resubmit

Submit

Date: 03/07/2022
Location: Miller Ash Pond
Collector: TJ Daugherty
Weather: cloudy 50

			In Good Condition					
Well	Time	Water Level (ft)	Locks	Bollards	Pad	Protective Casing	Name Plate	Comment
MW-1	1134	193.48	✔	✔	✔	✔	✔	DFG
MW-2	1033	202.20	✔	✔	✔	✔	✔	DFG
MW-2V	1036	264.72	✔	✔	✔	✔	✔	DFG
MW-3V	1118	157.04	✔	✔	✔	✔	✔	DFG
MW-3D	1117	111.96	✔	✔	✔	✔	✔	DFG
MW-3S	1114	87.82	✔	✔	✔	✔	✔	DFG
MW-4	1121	48.60	✔	✔	✔	✔	✔	DFG
MW-4V	1123	90.54	✔	✔	✔	✔	✔	DFG
MW-5	1118	0	✔	✔	✔	✔	✔	
PZ-5	1120	0	✔	✔	✔	✔	✔	
MW-6	1103	0	✔	✔	✔	✔	✔	Water at top of case but not outflowing
MW-6V	1100	115.48	✔	✔	✔	✔	✔	
MW-7DR	1054	76.40	✔	✔	✔	✔	✔	
MW-7SR	1052	8.59						
MW-9DR	1028	70.94						
MW-9SR	1025	68.19						
MW-10	1140	142.41						
MW-11	1156	229.81						
MW-12	1140	98.09						
MW-13DR	1015	77.42						
MW-13SR	1013	27.96						
MW-14R	1010	14.96						
MW-15	1004	14.30						TJ
MW-16	0959	31.19						TJ
MW-17H	1016	20.90						DFG
MW-18H	1105	164.57						DFG
MW-19H	1046	221.20						DFG
MW-19HA	1049	118.87						DFG
MW-20H	1109	122.81						
MW-20HS	1106	42.72						
MW-21	0930	19.94						
MW-22S	0939	14.37						
MW-22I	0937	28.11						

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-7DR	Conductivity	3/8/2022 13:18	1585.27	uS/cm
MR-AP-MW-7DR	DO	3/8/2022 13:18	0.74	mg/L
MR-AP-MW-7DR	Depth to Water Detail	3/8/2022 13:18	76.64	ft
MR-AP-MW-7DR	Oxidation Reduction Potention	3/8/2022 13:18	-48.01	mv
MR-AP-MW-7DR	pH	3/8/2022 13:18	6.92	SU
MR-AP-MW-7DR	Temperature	3/8/2022 13:18	15.48	C
MR-AP-MW-7DR	Turbidity	3/8/2022 13:18	0.88	NTU
MR-AP-MW-7DR	Conductivity	3/8/2022 13:23	1509.76	uS/cm
MR-AP-MW-7DR	DO	3/8/2022 13:23	0.62	mg/L
MR-AP-MW-7DR	Depth to Water Detail	3/8/2022 13:23	76.64	ft
MR-AP-MW-7DR	Oxidation Reduction Potention	3/8/2022 13:23	-51.83	mv
MR-AP-MW-7DR	pH	3/8/2022 13:23	6.9	SU
MR-AP-MW-7DR	Temperature	3/8/2022 13:23	15.53	C
MR-AP-MW-7DR	Turbidity	3/8/2022 13:23	0.37	NTU
MR-AP-MW-7DR	Conductivity	3/8/2022 13:28	1399.41	uS/cm
MR-AP-MW-7DR	DO	3/8/2022 13:28	0.58	mg/L
MR-AP-MW-7DR	Depth to Water Detail	3/8/2022 13:28	76.64	ft
MR-AP-MW-7DR	Oxidation Reduction Potention	3/8/2022 13:28	-52.38	mv
MR-AP-MW-7DR	pH	3/8/2022 13:28	6.9	SU
MR-AP-MW-7DR	Temperature	3/8/2022 13:28	15.66	C
MR-AP-MW-7DR	Turbidity	3/8/2022 13:28	0.32	NTU
MR-AP-MW-7DR	Conductivity	3/8/2022 13:33	1276.7	uS/cm
MR-AP-MW-7DR	DO	3/8/2022 13:33	0.57	mg/L
MR-AP-MW-7DR	Depth to Water Detail	3/8/2022 13:33	76.64	ft
MR-AP-MW-7DR	Oxidation Reduction Potention	3/8/2022 13:33	-49.81	mv
MR-AP-MW-7DR	pH	3/8/2022 13:33	6.85	SU
MR-AP-MW-7DR	Temperature	3/8/2022 13:33	15.72	C
MR-AP-MW-7DR	Turbidity	3/8/2022 13:33	0.27	NTU
MR-AP-MW-7DR	Conductivity	3/8/2022 13:38	1233.88	uS/cm
MR-AP-MW-7DR	DO	3/8/2022 13:38	0.56	mg/L
MR-AP-MW-7DR	Depth to Water Detail	3/8/2022 13:38	76.64	ft
MR-AP-MW-7DR	Oxidation Reduction Potention	3/8/2022 13:38	-48.14	mv
MR-AP-MW-7DR	pH	3/8/2022 13:38	6.83	SU
MR-AP-MW-7DR	Temperature	3/8/2022 13:38	15.69	C
MR-AP-MW-7DR	Turbidity	3/8/2022 13:38	0.28	NTU
MR-AP-MW-7DR	Conductivity	3/8/2022 13:43	1223.41	uS/cm
MR-AP-MW-7DR	DO	3/8/2022 13:43	0.55	mg/L
MR-AP-MW-7DR	Depth to Water Detail	3/8/2022 13:43	76.64	ft
MR-AP-MW-7DR	Oxidation Reduction Potention	3/8/2022 13:43	-45.61	mv
MR-AP-MW-7DR	pH	3/8/2022 13:43	6.81	SU
MR-AP-MW-7DR	Temperature	3/8/2022 13:43	15.72	C
MR-AP-MW-7DR	Turbidity	3/8/2022 13:43	0.21	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-7SR	Conductivity	3/8/2022 12:15	903.08	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:15	1.7	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:15	10.76	ft
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:15	-39.27	mv
MR-AP-MW-7SR	pH	3/8/2022 12:15	6.74	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:15	14.61	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:15	13.5	NTU
MR-AP-MW-7SR	Conductivity	3/8/2022 12:20	904.54	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:20	1.24	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:20	10.78	ft
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:20	-36.36	mv
MR-AP-MW-7SR	pH	3/8/2022 12:20	6.7	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:20	14.6	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:20	4.08	NTU
MR-AP-MW-7SR	Conductivity	3/8/2022 12:25	906.4	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:25	0.89	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:25	10.82	ft
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:25	-36.78	mv
MR-AP-MW-7SR	pH	3/8/2022 12:25	6.69	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:25	14.79	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:25	4.32	NTU
MR-AP-MW-7SR	Conductivity	3/8/2022 12:30	906.22	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:30	0.76	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:30	10.84	ft
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:30	-36.3	mv
MR-AP-MW-7SR	pH	3/8/2022 12:30	6.67	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:30	14.87	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:30	3.85	NTU
MR-AP-MW-7SR	Conductivity	3/8/2022 12:35	906.74	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:35	0.62	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:35	10.87	ft
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:35	-37.68	mv
MR-AP-MW-7SR	pH	3/8/2022 12:35	6.62	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:35	14.77	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:35	3.36	NTU
MR-AP-MW-7SR	Conductivity	3/8/2022 12:40	907.58	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:40	0.55	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:40	10.88	ft
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:40	-38.42	mv
MR-AP-MW-7SR	pH	3/8/2022 12:40	6.63	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:40	14.78	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:40	3.05	NTU
MR-AP-MW-7SR	Conductivity	3/8/2022 12:45	908.38	uS/cm
MR-AP-MW-7SR	DO	3/8/2022 12:45	0.49	mg/L
MR-AP-MW-7SR	Depth to Water Detail	3/8/2022 12:45	10.9	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-7SR	Oxidation Reduction Potention	3/8/2022 12:45	-37.94	mv
MR-AP-MW-7SR	pH	3/8/2022 12:45	6.61	SU
MR-AP-MW-7SR	Temperature	3/8/2022 12:45	14.8	C
MR-AP-MW-7SR	Turbidity	3/8/2022 12:45	3.08	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-17H	Conductivity	3/8/2022 8:36	432.76	uS/cm
MR-AP-MW-17H	DO	3/8/2022 8:36	0.4	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 8:36	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 8:36	-49.79	mv
MR-AP-MW-17H	pH	3/8/2022 8:36	7.1	SU
MR-AP-MW-17H	Temperature	3/8/2022 8:36	16.22	C
MR-AP-MW-17H	Turbidity	3/8/2022 8:36	8.64	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 8:41	432.8	uS/cm
MR-AP-MW-17H	DO	3/8/2022 8:41	0.35	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 8:41	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 8:41	-53.88	mv
MR-AP-MW-17H	pH	3/8/2022 8:41	7.13	SU
MR-AP-MW-17H	Temperature	3/8/2022 8:41	16.18	C
MR-AP-MW-17H	Turbidity	3/8/2022 8:41	3.64	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 8:46	445.49	uS/cm
MR-AP-MW-17H	DO	3/8/2022 8:46	0.33	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 8:46	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 8:46	-54	mv
MR-AP-MW-17H	pH	3/8/2022 8:46	7.09	SU
MR-AP-MW-17H	Temperature	3/8/2022 8:46	16.2	C
MR-AP-MW-17H	Turbidity	3/8/2022 8:46	3.71	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 8:51	481.3	uS/cm
MR-AP-MW-17H	DO	3/8/2022 8:51	0.33	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 8:51	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 8:51	-53.08	mv
MR-AP-MW-17H	pH	3/8/2022 8:51	7.1	SU
MR-AP-MW-17H	Temperature	3/8/2022 8:51	16.12	C
MR-AP-MW-17H	Turbidity	3/8/2022 8:51	2.5	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 8:56	548.45	uS/cm
MR-AP-MW-17H	DO	3/8/2022 8:56	0.34	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 8:56	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 8:56	-49.48	mv
MR-AP-MW-17H	pH	3/8/2022 8:56	7.05	SU
MR-AP-MW-17H	Temperature	3/8/2022 8:56	16.23	C
MR-AP-MW-17H	Turbidity	3/8/2022 8:56	2.72	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 9:01	609.91	uS/cm
MR-AP-MW-17H	DO	3/8/2022 9:01	0.32	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 9:01	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 9:01	-50.52	mv
MR-AP-MW-17H	pH	3/8/2022 9:01	7.05	SU
MR-AP-MW-17H	Temperature	3/8/2022 9:01	16.13	C
MR-AP-MW-17H	Turbidity	3/8/2022 9:01	2.6	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 9:06	628.01	uS/cm
MR-AP-MW-17H	DO	3/8/2022 9:06	0.33	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 9:06	21.73	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 9:06	-52.08	mv
MR-AP-MW-17H	pH	3/8/2022 9:06	7.04	SU
MR-AP-MW-17H	Temperature	3/8/2022 9:06	16.18	C
MR-AP-MW-17H	Turbidity	3/8/2022 9:06	2.07	NTU
MR-AP-MW-17H	Conductivity	3/8/2022 9:11	632.18	uS/cm
MR-AP-MW-17H	DO	3/8/2022 9:11	0.32	mg/L
MR-AP-MW-17H	Depth to Water Detail	3/8/2022 9:11	21.73	ft
MR-AP-MW-17H	Oxidation Reduction Potention	3/8/2022 9:11	-54.84	mv
MR-AP-MW-17H	pH	3/8/2022 9:11	7.07	SU
MR-AP-MW-17H	Temperature	3/8/2022 9:11	16.22	C
MR-AP-MW-17H	Turbidity	3/8/2022 9:11	1.89	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-18H	Conductivity	3/8/2022 10:10	936.86	uS/cm
MR-AP-MW-18H	DO	3/8/2022 10:10	4.87	mg/L
MR-AP-MW-18H	Depth to Water Detail	3/8/2022 10:10	166.01	ft
MR-AP-MW-18H	Oxidation Reduction Potention	3/8/2022 10:10	-73.24	mv
MR-AP-MW-18H	pH	3/8/2022 10:10	7.46	SU
MR-AP-MW-18H	Temperature	3/8/2022 10:10	14.34	C
MR-AP-MW-18H	Turbidity	3/8/2022 10:10	0.86	NTU
MR-AP-MW-18H	Conductivity	3/8/2022 10:15	727.35	uS/cm
MR-AP-MW-18H	DO	3/8/2022 10:15	2.7	mg/L
MR-AP-MW-18H	Depth to Water Detail	3/8/2022 10:15	166.31	ft
MR-AP-MW-18H	Oxidation Reduction Potention	3/8/2022 10:15	-78.19	mv
MR-AP-MW-18H	pH	3/8/2022 10:15	7.52	SU
MR-AP-MW-18H	Temperature	3/8/2022 10:15	14.54	C
MR-AP-MW-18H	Turbidity	3/8/2022 10:15	0.74	NTU
MR-AP-MW-18H	Conductivity	3/8/2022 10:20	648.24	uS/cm
MR-AP-MW-18H	DO	3/8/2022 10:20	1.95	mg/L
MR-AP-MW-18H	Depth to Water Detail	3/8/2022 10:20	166.58	ft
MR-AP-MW-18H	Oxidation Reduction Potention	3/8/2022 10:20	-72.66	mv
MR-AP-MW-18H	pH	3/8/2022 10:20	7.51	SU
MR-AP-MW-18H	Temperature	3/8/2022 10:20	14.66	C
MR-AP-MW-18H	Turbidity	3/8/2022 10:20	0.56	NTU
MR-AP-MW-18H	Conductivity	3/8/2022 10:25	625.78	uS/cm
MR-AP-MW-18H	DO	3/8/2022 10:25	1.91	mg/L
MR-AP-MW-18H	Depth to Water Detail	3/8/2022 10:25	166.81	ft
MR-AP-MW-18H	Oxidation Reduction Potention	3/8/2022 10:25	-67.73	mv
MR-AP-MW-18H	pH	3/8/2022 10:25	7.49	SU
MR-AP-MW-18H	Temperature	3/8/2022 10:25	14.38	C
MR-AP-MW-18H	Turbidity	3/8/2022 10:25	0.52	NTU
MR-AP-MW-18H	Conductivity	3/8/2022 10:30	620.47	uS/cm
MR-AP-MW-18H	DO	3/8/2022 10:30	1.85	mg/L
MR-AP-MW-18H	Depth to Water Detail	3/8/2022 10:30	166.9	ft
MR-AP-MW-18H	Oxidation Reduction Potention	3/8/2022 10:30	-65.47	mv
MR-AP-MW-18H	pH	3/8/2022 10:30	7.52	SU
MR-AP-MW-18H	Temperature	3/8/2022 10:30	14.22	C
MR-AP-MW-18H	Turbidity	3/8/2022 10:30	0.87	NTU
MR-AP-MW-18H	Conductivity	3/8/2022 10:35	618.64	uS/cm
MR-AP-MW-18H	DO	3/8/2022 10:35	1.79	mg/L
MR-AP-MW-18H	Depth to Water Detail	3/8/2022 10:35	166.98	ft
MR-AP-MW-18H	Oxidation Reduction Potention	3/8/2022 10:35	-63.56	mv
MR-AP-MW-18H	pH	3/8/2022 10:35	7.5	SU
MR-AP-MW-18H	Temperature	3/8/2022 10:35	14.42	C
MR-AP-MW-18H	Turbidity	3/8/2022 10:35	0.47	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-20H	Conductivity	3/9/2022 12:00	1499.66	uS/cm
MR-AP-MW-20H	DO	3/9/2022 12:00	2.63	mg/L
MR-AP-MW-20H	Depth to Water Detail	3/9/2022 12:00	122.54	ft
MR-AP-MW-20H	Oxidation Reduction Potention	3/9/2022 12:00	-101.8	mv
MR-AP-MW-20H	pH	3/9/2022 12:00	7.2	SU
MR-AP-MW-20H	Temperature	3/9/2022 12:00	15.29	C
MR-AP-MW-20H	Turbidity	3/9/2022 12:00	1.26	NTU
MR-AP-MW-20H	Conductivity	3/9/2022 12:05	1531.14	uS/cm
MR-AP-MW-20H	DO	3/9/2022 12:05	1.26	mg/L
MR-AP-MW-20H	Depth to Water Detail	3/9/2022 12:05	122.54	ft
MR-AP-MW-20H	Oxidation Reduction Potention	3/9/2022 12:05	-93.32	mv
MR-AP-MW-20H	pH	3/9/2022 12:05	7.29	SU
MR-AP-MW-20H	Temperature	3/9/2022 12:05	15.33	C
MR-AP-MW-20H	Turbidity	3/9/2022 12:05	1.08	NTU
MR-AP-MW-20H	Conductivity	3/9/2022 12:10	1524.4	uS/cm
MR-AP-MW-20H	DO	3/9/2022 12:10	1.05	mg/L
MR-AP-MW-20H	Depth to Water Detail	3/9/2022 12:10	122.54	ft
MR-AP-MW-20H	Oxidation Reduction Potention	3/9/2022 12:10	-91.63	mv
MR-AP-MW-20H	pH	3/9/2022 12:10	7.34	SU
MR-AP-MW-20H	Temperature	3/9/2022 12:10	15.47	C
MR-AP-MW-20H	Turbidity	3/9/2022 12:10	1.39	NTU
MR-AP-MW-20H	Conductivity	3/9/2022 12:15	1519.82	uS/cm
MR-AP-MW-20H	DO	3/9/2022 12:15	0.97	mg/L
MR-AP-MW-20H	Depth to Water Detail	3/9/2022 12:15	122.54	ft
MR-AP-MW-20H	Oxidation Reduction Potention	3/9/2022 12:15	-91.07	mv
MR-AP-MW-20H	pH	3/9/2022 12:15	7.34	SU
MR-AP-MW-20H	Temperature	3/9/2022 12:15	15.67	C
MR-AP-MW-20H	Turbidity	3/9/2022 12:15	0.97	NTU
MR-AP-MW-20H	Conductivity	3/9/2022 12:20	1514.71	uS/cm
MR-AP-MW-20H	DO	3/9/2022 12:20	0.94	mg/L
MR-AP-MW-20H	Depth to Water Detail	3/9/2022 12:20	122.54	ft
MR-AP-MW-20H	Oxidation Reduction Potention	3/9/2022 12:20	-92.09	mv
MR-AP-MW-20H	pH	3/9/2022 12:20	7.38	SU
MR-AP-MW-20H	Temperature	3/9/2022 12:20	15.65	C
MR-AP-MW-20H	Turbidity	3/9/2022 12:20	0.87	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-20HS	Conductivity	3/9/2022 9:52	691.46	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 9:52	0.41	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 9:52	46.2	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 9:52	-77.83	mv
MR-AP-MW-20HS	pH	3/9/2022 9:52	6.78	SU
MR-AP-MW-20HS	Temperature	3/9/2022 9:52	16.48	C
MR-AP-MW-20HS	Turbidity	3/9/2022 9:52	0.76	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 9:57	686.02	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 9:57	0.35	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 9:57	48.68	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 9:57	-72.33	mv
MR-AP-MW-20HS	pH	3/9/2022 9:57	6.71	SU
MR-AP-MW-20HS	Temperature	3/9/2022 9:57	16.39	C
MR-AP-MW-20HS	Turbidity	3/9/2022 9:57	0.91	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 10:02	702.16	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 10:02	0.33	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 10:02	50.08	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 10:02	-67.74	mv
MR-AP-MW-20HS	pH	3/9/2022 10:02	6.65	SU
MR-AP-MW-20HS	Temperature	3/9/2022 10:02	16.47	C
MR-AP-MW-20HS	Turbidity	3/9/2022 10:02	0.75	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 10:07	720.22	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 10:07	0.33	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 10:07	50.71	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 10:07	-66.93	mv
MR-AP-MW-20HS	pH	3/9/2022 10:07	6.65	SU
MR-AP-MW-20HS	Temperature	3/9/2022 10:07	16.38	C
MR-AP-MW-20HS	Turbidity	3/9/2022 10:07	0.72	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 10:12	864.16	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 10:12	0.32	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 10:12	50.8	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 10:12	-66.72	mv
MR-AP-MW-20HS	pH	3/9/2022 10:12	6.7	SU
MR-AP-MW-20HS	Temperature	3/9/2022 10:12	16.48	C
MR-AP-MW-20HS	Turbidity	3/9/2022 10:12	0.71	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 10:17	924.59	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 10:17	0.32	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 10:17	50.86	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 10:17	-64.16	mv
MR-AP-MW-20HS	pH	3/9/2022 10:17	6.71	SU
MR-AP-MW-20HS	Temperature	3/9/2022 10:17	16.51	C
MR-AP-MW-20HS	Turbidity	3/9/2022 10:17	0.67	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 10:22	940.69	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 10:22	0.32	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 10:22	50.93	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 10:22	-60.44	mv
MR-AP-MW-20HS	pH	3/9/2022 10:22	6.69	SU
MR-AP-MW-20HS	Temperature	3/9/2022 10:22	16.52	C
MR-AP-MW-20HS	Turbidity	3/9/2022 10:22	0.66	NTU
MR-AP-MW-20HS	Conductivity	3/9/2022 10:27	945.5	uS/cm
MR-AP-MW-20HS	DO	3/9/2022 10:27	0.32	mg/L
MR-AP-MW-20HS	Depth to Water Detail	3/9/2022 10:27	51	ft
MR-AP-MW-20HS	Oxidation Reduction Potention	3/9/2022 10:27	-59.85	mv
MR-AP-MW-20HS	pH	3/9/2022 10:27	6.71	SU
MR-AP-MW-20HS	Temperature	3/9/2022 10:27	16.45	C
MR-AP-MW-20HS	Turbidity	3/9/2022 10:27	0.58	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-32H	Conductivity	3/9/2022 8:09	392.24	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:09	1.44	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:09	61.65	ft
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:09	-91.06	mv
MR-AP-MW-32H	pH	3/9/2022 8:09	7.35	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:09	15.43	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:09	0.87	NTU
MR-AP-MW-32H	Conductivity	3/9/2022 8:14	386.47	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:14	1	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:14	61.8	ft
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:14	-95.4	mv
MR-AP-MW-32H	pH	3/9/2022 8:14	7.36	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:14	15.58	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:14	0.82	NTU
MR-AP-MW-32H	Conductivity	3/9/2022 8:19	384.72	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:19	1.23	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:19	62.06	ft
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:19	-82.33	mv
MR-AP-MW-32H	pH	3/9/2022 8:19	7.35	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:19	15.49	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:19	1.02	NTU
MR-AP-MW-32H	Conductivity	3/9/2022 8:24	391.36	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:24	2.71	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:24	62.3	ft
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:24	-65.49	mv
MR-AP-MW-32H	pH	3/9/2022 8:24	7.35	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:24	15.6	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:24	0.97	NTU
MR-AP-MW-32H	Conductivity	3/9/2022 8:29	400.86	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:29	3.35	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:29	62.49	ft
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:29	-50.86	mv
MR-AP-MW-32H	pH	3/9/2022 8:29	7.32	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:29	15.43	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:29	0.88	NTU
MR-AP-MW-32H	Conductivity	3/9/2022 8:34	402.55	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:34	3.49	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:34	62.6	ft
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:34	-43.17	mv
MR-AP-MW-32H	pH	3/9/2022 8:34	7.33	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:34	15.63	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:34	0.86	NTU
MR-AP-MW-32H	Conductivity	3/9/2022 8:39	403.01	uS/cm
MR-AP-MW-32H	DO	3/9/2022 8:39	3.46	mg/L
MR-AP-MW-32H	Depth to Water Detail	3/9/2022 8:39	62.6	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-32H	Oxidation Reduction Potention	3/9/2022 8:39	-38.99	mv
MR-AP-MW-32H	pH	3/9/2022 8:39	7.35	SU
MR-AP-MW-32H	Temperature	3/9/2022 8:39	15.69	C
MR-AP-MW-32H	Turbidity	3/9/2022 8:39	1.14	NTU
MR-AP-MW-35H	Conductivity	3/8/2022 7:34	715.8	uS/cm
MR-AP-MW-35H	DO	3/8/2022 7:34	0.79	mg/L
MR-AP-MW-35H	Depth to Water Detail	3/8/2022 7:34	9.48	ft
MR-AP-MW-35H	Oxidation Reduction Potention	3/8/2022 7:34	-20.7	mv
MR-AP-MW-35H	pH	3/8/2022 7:34	7.22	SU
MR-AP-MW-35H	Temperature	3/8/2022 7:34	17.8	C
MR-AP-MW-35H	Turbidity	3/8/2022 7:34	0.97	NTU
MR-AP-MW-35H	Conductivity	3/8/2022 7:39	670.45	uS/cm
MR-AP-MW-35H	DO	3/8/2022 7:39	0.41	mg/L
MR-AP-MW-35H	Depth to Water Detail	3/8/2022 7:39	9.48	ft
MR-AP-MW-35H	Oxidation Reduction Potention	3/8/2022 7:39	-67.61	mv
MR-AP-MW-35H	pH	3/8/2022 7:39	6.99	SU
MR-AP-MW-35H	Temperature	3/8/2022 7:39	17.74	C
MR-AP-MW-35H	Turbidity	3/8/2022 7:39	0.93	NTU
MR-AP-MW-35H	Conductivity	3/8/2022 7:44	649.87	uS/cm
MR-AP-MW-35H	DO	3/8/2022 7:44	0.32	mg/L
MR-AP-MW-35H	Depth to Water Detail	3/8/2022 7:44	9.48	ft
MR-AP-MW-35H	Oxidation Reduction Potention	3/8/2022 7:44	-70.25	mv
MR-AP-MW-35H	pH	3/8/2022 7:44	6.87	SU
MR-AP-MW-35H	Temperature	3/8/2022 7:44	17.72	C
MR-AP-MW-35H	Turbidity	3/8/2022 7:44	0.97	NTU
MR-AP-MW-35H	Conductivity	3/8/2022 7:49	643.88	uS/cm
MR-AP-MW-35H	DO	3/8/2022 7:49	0.29	mg/L
MR-AP-MW-35H	Depth to Water Detail	3/8/2022 7:49	9.48	ft
MR-AP-MW-35H	Oxidation Reduction Potention	3/8/2022 7:49	-66	mv
MR-AP-MW-35H	pH	3/8/2022 7:49	6.78	SU
MR-AP-MW-35H	Temperature	3/8/2022 7:49	17.68	C
MR-AP-MW-35H	Turbidity	3/8/2022 7:49	0.89	NTU
MR-AP-MW-35H	Conductivity	3/8/2022 7:54	636.49	uS/cm
MR-AP-MW-35H	DO	3/8/2022 7:54	0.26	mg/L
MR-AP-MW-35H	Depth to Water Detail	3/8/2022 7:54	9.48	ft
MR-AP-MW-35H	Oxidation Reduction Potention	3/8/2022 7:54	-64.26	mv
MR-AP-MW-35H	pH	3/8/2022 7:54	6.77	SU
MR-AP-MW-35H	Temperature	3/8/2022 7:54	17.8	C
MR-AP-MW-35H	Turbidity	3/8/2022 7:54	0.65	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	Conductivity	3/9/2022 9:40	1561.25	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 9:40	0.37	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 9:40	122.83	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 9:40	-306.35	mv
MR-AP-MW-19HA	pH	3/9/2022 9:40	7.98	SU
MR-AP-MW-19HA	Temperature	3/9/2022 9:40	17.03	C
MR-AP-MW-19HA	Turbidity	3/9/2022 9:40	2.51	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 9:45	1574.19	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 9:45	0.27	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 9:45	125.9	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 9:45	-315.93	mv
MR-AP-MW-19HA	pH	3/9/2022 9:45	7.98	SU
MR-AP-MW-19HA	Temperature	3/9/2022 9:45	16.98	C
MR-AP-MW-19HA	Turbidity	3/9/2022 9:45	0.98	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 9:50	1547.48	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 9:50	0.26	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 9:50	127.8	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 9:50	-313.05	mv
MR-AP-MW-19HA	pH	3/9/2022 9:50	7.89	SU
MR-AP-MW-19HA	Temperature	3/9/2022 9:50	17.05	C
MR-AP-MW-19HA	Turbidity	3/9/2022 9:50	0.87	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 9:55	1497.34	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 9:55	0.26	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 9:55	129.09	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 9:55	-312.13	mv
MR-AP-MW-19HA	pH	3/9/2022 9:55	7.86	SU
MR-AP-MW-19HA	Temperature	3/9/2022 9:55	16.88	C
MR-AP-MW-19HA	Turbidity	3/9/2022 9:55	0.98	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:00	1526.2	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:00	0.24	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:00	131.6	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:00	-313.44	mv
MR-AP-MW-19HA	pH	3/9/2022 10:00	7.87	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:00	17.08	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:00	0.96	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:05	1543.5	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:05	0.24	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:05	133.75	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:05	-312.41	mv
MR-AP-MW-19HA	pH	3/9/2022 10:05	7.85	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:05	17.12	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:05	0.69	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:10	1488.81	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:10	0.23	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:10	134.7	ft

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:10	-314.74	mv
MR-AP-MW-19HA	pH	3/9/2022 10:10	7.87	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:10	17.11	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:10	1.4	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:15	1522.67	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:15	0.23	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:15	137.05	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:15	-314.87	mv
MR-AP-MW-19HA	pH	3/9/2022 10:15	7.86	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:15	17.17	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:15	3.75	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:20	1483.34	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:20	0.23	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:20	137.8	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:20	-317.42	mv
MR-AP-MW-19HA	pH	3/9/2022 10:20	7.89	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:20	17.12	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:20	2.46	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:25	1571.78	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:25	0.23	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:25	139.5	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:25	-317.74	mv
MR-AP-MW-19HA	pH	3/9/2022 10:25	7.89	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:25	17.11	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:25	0.69	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:30	1569.82	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:30	0.22	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:30	141.5	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:30	-319.74	mv
MR-AP-MW-19HA	pH	3/9/2022 10:30	7.91	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:30	17.09	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:30	0.75	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:35	1570.38	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:35	0.22	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:35	142.3	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:35	-320.15	mv
MR-AP-MW-19HA	pH	3/9/2022 10:35	7.91	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:35	17.12	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:35	0.82	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:40	1541.76	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:40	0.21	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:40	143.4	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:40	-320.59	mv
MR-AP-MW-19HA	pH	3/9/2022 10:40	7.91	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:40	17.13	C

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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	Turbidity	3/9/2022 10:40	1.66	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:45	1452.07	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:45	0.21	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:45	144.83	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:45	-322.44	mv
MR-AP-MW-19HA	pH	3/9/2022 10:45	7.93	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:45	17.14	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:45	0.8	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:50	1494.91	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:50	0.22	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:50	145.8	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:50	-321.04	mv
MR-AP-MW-19HA	pH	3/9/2022 10:50	7.93	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:50	17.1	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:50	0.91	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 10:55	1530.65	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 10:55	0.21	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 10:55	147.05	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 10:55	-323.96	mv
MR-AP-MW-19HA	pH	3/9/2022 10:55	7.96	SU
MR-AP-MW-19HA	Temperature	3/9/2022 10:55	17.18	C
MR-AP-MW-19HA	Turbidity	3/9/2022 10:55	0.85	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:00	1538.41	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:00	0.22	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:00	148.3	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:00	-322.23	mv
MR-AP-MW-19HA	pH	3/9/2022 11:00	7.94	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:00	17.23	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:00	0.87	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:05	1554.29	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:05	0.2	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:05	149.7	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:05	-323.79	mv
MR-AP-MW-19HA	pH	3/9/2022 11:05	7.96	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:05	17.18	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:05	0.95	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:10	1470.11	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:10	0.28	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:10	149.4	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:10	-322.81	mv
MR-AP-MW-19HA	pH	3/9/2022 11:10	7.97	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:10	17.03	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:10	0.97	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:15	1565.86	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:15	0.28	mg/L

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:15	149.4	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:15	-323.37	mv
MR-AP-MW-19HA	pH	3/9/2022 11:15	7.98	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:15	17.06	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:15	1.03	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:20	1586.87	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:20	0.31	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:20	149.4	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:20	-323.28	mv
MR-AP-MW-19HA	pH	3/9/2022 11:20	7.98	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:20	17.05	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:20	1.1	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:25	1577.1	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:25	0.32	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:25	149.4	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:25	-323.59	mv
MR-AP-MW-19HA	pH	3/9/2022 11:25	8.02	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:25	17	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:25	1.22	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:30	1490.46	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:30	0.42	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:30	149.4	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:30	-322.2	mv
MR-AP-MW-19HA	pH	3/9/2022 11:30	8.04	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:30	16.79	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:30	1.24	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:35	1550.29	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:35	0.31	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:35	148.8	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:35	-323.05	mv
MR-AP-MW-19HA	pH	3/9/2022 11:35	8.03	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:35	17.03	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:35	1.31	NTU
MR-AP-MW-19HA	Conductivity	3/9/2022 11:40	1558.26	uS/cm
MR-AP-MW-19HA	DO	3/9/2022 11:40	0.31	mg/L
MR-AP-MW-19HA	Depth to Water Detail	3/9/2022 11:40	148.65	ft
MR-AP-MW-19HA	Oxidation Reduction Potention	3/9/2022 11:40	-325.26	mv
MR-AP-MW-19HA	pH	3/9/2022 11:40	8.07	SU
MR-AP-MW-19HA	Temperature	3/9/2022 11:40	16.98	C
MR-AP-MW-19HA	Turbidity	3/9/2022 11:40	1.53	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-34H	Conductivity	3/9/2022 12:42	2543.34	uS/cm
MR-AP-MW-34H	DO	3/9/2022 12:42	0.38	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 12:42	155.4	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 12:42	-298.08	mv
MR-AP-MW-34H	pH	3/9/2022 12:42	7.91	SU
MR-AP-MW-34H	Temperature	3/9/2022 12:42	16.17	C
MR-AP-MW-34H	Turbidity	3/9/2022 12:42	2.1	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 12:47	2548.46	uS/cm
MR-AP-MW-34H	DO	3/9/2022 12:47	0.28	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 12:47	158.05	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 12:47	-305.4	mv
MR-AP-MW-34H	pH	3/9/2022 12:47	7.91	SU
MR-AP-MW-34H	Temperature	3/9/2022 12:47	16.33	C
MR-AP-MW-34H	Turbidity	3/9/2022 12:47	1.95	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 12:52	2474.44	uS/cm
MR-AP-MW-34H	DO	3/9/2022 12:52	0.25	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 12:52	159.85	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 12:52	-309.03	mv
MR-AP-MW-34H	pH	3/9/2022 12:52	7.92	SU
MR-AP-MW-34H	Temperature	3/9/2022 12:52	16.37	C
MR-AP-MW-34H	Turbidity	3/9/2022 12:52	1.6	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 12:57	2371.69	uS/cm
MR-AP-MW-34H	DO	3/9/2022 12:57	0.25	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 12:57	160.42	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 12:57	-310.46	mv
MR-AP-MW-34H	pH	3/9/2022 12:57	7.94	SU
MR-AP-MW-34H	Temperature	3/9/2022 12:57	16.26	C
MR-AP-MW-34H	Turbidity	3/9/2022 12:57	1.62	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:02	2261.93	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:02	0.22	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:02	161.1	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:02	-311.15	mv
MR-AP-MW-34H	pH	3/9/2022 13:02	7.95	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:02	16.32	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:02	2.01	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:07	2173.97	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:07	0.23	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:07	161.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:07	-311.88	mv
MR-AP-MW-34H	pH	3/9/2022 13:07	7.98	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:07	16.33	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:07	2.01	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:12	2089.98	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:12	0.28	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:12	161.9	ft

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:12	-310.21	mv
MR-AP-MW-34H	pH	3/9/2022 13:12	7.99	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:12	16.17	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:12	2.32	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:17	2086.75	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:17	0.27	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:17	161.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:17	-311.01	mv
MR-AP-MW-34H	pH	3/9/2022 13:17	8.01	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:17	16.2	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:17	1.96	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:22	1970.66	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:22	0.28	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:22	161.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:22	-309.51	mv
MR-AP-MW-34H	pH	3/9/2022 13:22	8.04	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:22	16.19	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:22	2.53	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:27	1867.77	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:27	0.27	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:27	161.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:27	-309.09	mv
MR-AP-MW-34H	pH	3/9/2022 13:27	8.05	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:27	16.17	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:27	2.25	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:32	1778.58	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:32	0.29	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:32	161.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:32	-307.98	mv
MR-AP-MW-34H	pH	3/9/2022 13:32	8.05	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:32	16.19	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:32	2.35	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:37	1717.35	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:37	0.27	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:37	161.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:37	-308.41	mv
MR-AP-MW-34H	pH	3/9/2022 13:37	8.06	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:37	16.26	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:37	2.27	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:42	1654.92	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:42	0.27	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:42	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:42	-308.13	mv
MR-AP-MW-34H	pH	3/9/2022 13:42	8.07	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:42	16.25	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-34H	Turbidity	3/9/2022 13:42	2.44	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:47	1608.75	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:47	0.26	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:47	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:47	-307.88	mv
MR-AP-MW-34H	pH	3/9/2022 13:47	8.07	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:47	16.2	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:47	2.62	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:52	1575.59	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:52	0.27	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:52	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:52	-308.05	mv
MR-AP-MW-34H	pH	3/9/2022 13:52	8.07	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:52	16.19	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:52	2.81	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 13:57	1525.53	uS/cm
MR-AP-MW-34H	DO	3/9/2022 13:57	0.28	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 13:57	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 13:57	-307.09	mv
MR-AP-MW-34H	pH	3/9/2022 13:57	8.07	SU
MR-AP-MW-34H	Temperature	3/9/2022 13:57	16.08	C
MR-AP-MW-34H	Turbidity	3/9/2022 13:57	2.7	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 14:02	1488.56	uS/cm
MR-AP-MW-34H	DO	3/9/2022 14:02	0.26	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 14:02	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 14:02	-307.95	mv
MR-AP-MW-34H	pH	3/9/2022 14:02	8.08	SU
MR-AP-MW-34H	Temperature	3/9/2022 14:02	16.21	C
MR-AP-MW-34H	Turbidity	3/9/2022 14:02	3.76	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 14:07	1448.96	uS/cm
MR-AP-MW-34H	DO	3/9/2022 14:07	0.26	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 14:07	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 14:07	-307.4	mv
MR-AP-MW-34H	pH	3/9/2022 14:07	8.08	SU
MR-AP-MW-34H	Temperature	3/9/2022 14:07	16.21	C
MR-AP-MW-34H	Turbidity	3/9/2022 14:07	3.13	NTU
MR-AP-MW-34H	Conductivity	3/9/2022 14:12	1427	uS/cm
MR-AP-MW-34H	DO	3/9/2022 14:12	0.26	mg/L
MR-AP-MW-34H	Depth to Water Detail	3/9/2022 14:12	159.9	ft
MR-AP-MW-34H	Oxidation Reduction Potention	3/9/2022 14:12	-308.08	mv
MR-AP-MW-34H	pH	3/9/2022 14:12	8.09	SU
MR-AP-MW-34H	Temperature	3/9/2022 14:12	16.12	C
MR-AP-MW-34H	Turbidity	3/9/2022 14:12	3.13	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-9DR	Conductivity	3/8/2022 10:27	801.93	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:27	0.36	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:27	72.41	ft
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:27	-68.89	mv
MR-AP-MW-9DR	pH	3/8/2022 10:27	6.72	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:27	16.87	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:27	3.5	NTU
MR-AP-MW-9DR	Conductivity	3/8/2022 10:32	796.96	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:32	0.31	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:32	72.8	ft
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:32	-69	mv
MR-AP-MW-9DR	pH	3/8/2022 10:32	6.73	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:32	16.9	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:32	3.34	NTU
MR-AP-MW-9DR	Conductivity	3/8/2022 10:37	793.97	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:37	0.31	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:37	73.09	ft
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:37	-67.33	mv
MR-AP-MW-9DR	pH	3/8/2022 10:37	6.73	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:37	17.1	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:37	2.07	NTU
MR-AP-MW-9DR	Conductivity	3/8/2022 10:42	792.13	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:42	0.31	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:42	73.36	ft
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:42	-67.05	mv
MR-AP-MW-9DR	pH	3/8/2022 10:42	6.74	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:42	17.09	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:42	2.31	NTU
MR-AP-MW-9DR	Conductivity	3/8/2022 10:47	791.21	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:47	0.3	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:47	73.59	ft
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:47	-66.65	mv
MR-AP-MW-9DR	pH	3/8/2022 10:47	6.75	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:47	17.11	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:47	2.24	NTU
MR-AP-MW-9DR	Conductivity	3/8/2022 10:52	790.22	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:52	0.29	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:52	73.79	ft
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:52	-65.73	mv
MR-AP-MW-9DR	pH	3/8/2022 10:52	6.74	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:52	17.09	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:52	2.22	NTU
MR-AP-MW-9DR	Conductivity	3/8/2022 10:57	788.53	uS/cm
MR-AP-MW-9DR	DO	3/8/2022 10:57	0.29	mg/L
MR-AP-MW-9DR	Depth to Water Detail	3/8/2022 10:57	73.86	ft

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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-9DR	Oxidation Reduction Potention	3/8/2022 10:57	-65.08	mv
MR-AP-MW-9DR	pH	3/8/2022 10:57	6.75	SU
MR-AP-MW-9DR	Temperature	3/8/2022 10:57	17.11	C
MR-AP-MW-9DR	Turbidity	3/8/2022 10:57	1.98	NTU
MR-AP-MW-9SR	Conductivity	3/8/2022 9:15	985.28	uS/cm
MR-AP-MW-9SR	DO	3/8/2022 9:15	0.61	mg/L
MR-AP-MW-9SR	Depth to Water Detail	3/8/2022 9:15	70.54	ft
MR-AP-MW-9SR	Oxidation Reduction Potention	3/8/2022 9:15	21.56	mv
MR-AP-MW-9SR	pH	3/8/2022 9:15	6.19	SU
MR-AP-MW-9SR	Temperature	3/8/2022 9:15	16.77	C
MR-AP-MW-9SR	Turbidity	3/8/2022 9:15	13.3	NTU
MR-AP-MW-9SR	Conductivity	3/8/2022 9:20	958.6	uS/cm
MR-AP-MW-9SR	DO	3/8/2022 9:20	0.49	mg/L
MR-AP-MW-9SR	Depth to Water Detail	3/8/2022 9:20	70.96	ft
MR-AP-MW-9SR	Oxidation Reduction Potention	3/8/2022 9:20	6.28	mv
MR-AP-MW-9SR	pH	3/8/2022 9:20	6.21	SU
MR-AP-MW-9SR	Temperature	3/8/2022 9:20	16.89	C
MR-AP-MW-9SR	Turbidity	3/8/2022 9:20	10.48	NTU
MR-AP-MW-9SR	Conductivity	3/8/2022 9:25	941.75	uS/cm
MR-AP-MW-9SR	DO	3/8/2022 9:25	0.45	mg/L
MR-AP-MW-9SR	Depth to Water Detail	3/8/2022 9:25	71.31	ft
MR-AP-MW-9SR	Oxidation Reduction Potention	3/8/2022 9:25	3.2	mv
MR-AP-MW-9SR	pH	3/8/2022 9:25	6.24	SU
MR-AP-MW-9SR	Temperature	3/8/2022 9:25	16.99	C
MR-AP-MW-9SR	Turbidity	3/8/2022 9:25	7.73	NTU
MR-AP-MW-9SR	Conductivity	3/8/2022 9:30	926.06	uS/cm
MR-AP-MW-9SR	DO	3/8/2022 9:30	0.44	mg/L
MR-AP-MW-9SR	Depth to Water Detail	3/8/2022 9:30	71.42	ft
MR-AP-MW-9SR	Oxidation Reduction Potention	3/8/2022 9:30	-0.13	mv
MR-AP-MW-9SR	pH	3/8/2022 9:30	6.26	SU
MR-AP-MW-9SR	Temperature	3/8/2022 9:30	16.98	C
MR-AP-MW-9SR	Turbidity	3/8/2022 9:30	7.83	NTU
MR-AP-MW-9SR	Conductivity	3/8/2022 9:35	911.52	uS/cm
MR-AP-MW-9SR	DO	3/8/2022 9:35	0.46	mg/L
MR-AP-MW-9SR	Depth to Water Detail	3/8/2022 9:35	71.58	ft
MR-AP-MW-9SR	Oxidation Reduction Potention	3/8/2022 9:35	-2.64	mv
MR-AP-MW-9SR	pH	3/8/2022 9:35	6.28	SU
MR-AP-MW-9SR	Temperature	3/8/2022 9:35	17.08	C
MR-AP-MW-9SR	Turbidity	3/8/2022 9:35	4.99	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13DR	Conductivity	3/9/2022 12:29	1276.77	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:29	0.16	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:29	83.98	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:29	-19.51	mv
MR-AP-MW-13DR	pH	3/9/2022 12:29	6.99	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:29	18.93	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:29	1.17	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 12:34	1092.44	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:34	0.15	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:34	86.81	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:34	-14.71	mv
MR-AP-MW-13DR	pH	3/9/2022 12:34	6.98	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:34	18.92	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:34	2.2	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 12:39	731.41	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:39	0.5	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:39	89.92	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:39	11.29	mv
MR-AP-MW-13DR	pH	3/9/2022 12:39	6.95	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:39	18.87	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:39	2.08	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 12:44	751.75	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:44	0.52	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:44	92.86	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:44	15.79	mv
MR-AP-MW-13DR	pH	3/9/2022 12:44	6.93	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:44	19.07	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:44	1.97	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 12:49	747.63	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:49	0.52	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:49	95.92	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:49	14.18	mv
MR-AP-MW-13DR	pH	3/9/2022 12:49	6.95	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:49	18.97	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:49	1.79	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 12:54	759.78	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:54	0.52	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:54	99.11	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:54	10.02	mv
MR-AP-MW-13DR	pH	3/9/2022 12:54	6.97	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:54	18.98	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:54	1.58	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 12:59	764.55	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 12:59	0.52	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 12:59	101.3	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 12:59	6.95	mv
MR-AP-MW-13DR	pH	3/9/2022 12:59	6.95	SU
MR-AP-MW-13DR	Temperature	3/9/2022 12:59	18.82	C
MR-AP-MW-13DR	Turbidity	3/9/2022 12:59	1.41	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 13:04	778.76	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 13:04	0.51	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 13:04	104.48	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 13:04	1.59	mv
MR-AP-MW-13DR	pH	3/9/2022 13:04	6.97	SU
MR-AP-MW-13DR	Temperature	3/9/2022 13:04	18.92	C
MR-AP-MW-13DR	Turbidity	3/9/2022 13:04	1.19	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 13:09	778.62	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 13:09	0.77	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 13:09	104.93	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 13:09	-0.7	mv
MR-AP-MW-13DR	pH	3/9/2022 13:09	6.97	SU
MR-AP-MW-13DR	Temperature	3/9/2022 13:09	18.73	C
MR-AP-MW-13DR	Turbidity	3/9/2022 13:09	1.31	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 13:14	785.49	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 13:14	0.91	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 13:14	105.02	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 13:14	-1.38	mv
MR-AP-MW-13DR	pH	3/9/2022 13:14	6.97	SU
MR-AP-MW-13DR	Temperature	3/9/2022 13:14	18.59	C
MR-AP-MW-13DR	Turbidity	3/9/2022 13:14	0.94	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 13:19	790.95	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 13:19	1	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 13:19	105.11	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 13:19	-2.08	mv
MR-AP-MW-13DR	pH	3/9/2022 13:19	6.97	SU
MR-AP-MW-13DR	Temperature	3/9/2022 13:19	18.39	C
MR-AP-MW-13DR	Turbidity	3/9/2022 13:19	1	NTU
MR-AP-MW-13DR	Conductivity	3/9/2022 13:24	813.56	uS/cm
MR-AP-MW-13DR	DO	3/9/2022 13:24	1.06	mg/L
MR-AP-MW-13DR	Depth to Water Detail	3/9/2022 13:24	105.24	ft
MR-AP-MW-13DR	Oxidation Reduction Potention	3/9/2022 13:24	-9.86	mv
MR-AP-MW-13DR	pH	3/9/2022 13:24	6.97	SU
MR-AP-MW-13DR	Temperature	3/9/2022 13:24	18.47	C
MR-AP-MW-13DR	Turbidity	3/9/2022 13:24	1.02	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13SR	Conductivity	3/9/2022 14:41	1333.29	uS/cm
MR-AP-MW-13SR	DO	3/9/2022 14:41	0.09	mg/L
MR-AP-MW-13SR	Depth to Water Detail	3/9/2022 14:41	35.08	ft
MR-AP-MW-13SR	Oxidation Reduction Potention	3/9/2022 14:41	57.79	mv
MR-AP-MW-13SR	pH	3/9/2022 14:41	5.89	SU
MR-AP-MW-13SR	Temperature	3/9/2022 14:41	19.56	C
MR-AP-MW-13SR	Turbidity	3/9/2022 14:41	12.11	NTU
MR-AP-MW-13SR	Conductivity	3/9/2022 14:46	1345.35	uS/cm
MR-AP-MW-13SR	DO	3/9/2022 14:46	0.16	mg/L
MR-AP-MW-13SR	Depth to Water Detail	3/9/2022 14:46	38.52	ft
MR-AP-MW-13SR	Oxidation Reduction Potention	3/9/2022 14:46	72.1	mv
MR-AP-MW-13SR	pH	3/9/2022 14:46	5.9	SU
MR-AP-MW-13SR	Temperature	3/9/2022 14:46	19.74	C
MR-AP-MW-13SR	Turbidity	3/9/2022 14:46	4.46	NTU
MR-AP-MW-13SR	Conductivity	3/9/2022 14:51	1352.79	uS/cm
MR-AP-MW-13SR	DO	3/9/2022 14:51	0.26	mg/L
MR-AP-MW-13SR	Depth to Water Detail	3/9/2022 14:51	40.92	ft
MR-AP-MW-13SR	Oxidation Reduction Potention	3/9/2022 14:51	65.59	mv
MR-AP-MW-13SR	pH	3/9/2022 14:51	5.95	SU
MR-AP-MW-13SR	Temperature	3/9/2022 14:51	19.73	C
MR-AP-MW-13SR	Turbidity	3/9/2022 14:51	2.04	NTU
MR-AP-MW-13SR	Conductivity	3/9/2022 14:56	1345.44	uS/cm
MR-AP-MW-13SR	DO	3/9/2022 14:56	0.49	mg/L
MR-AP-MW-13SR	Depth to Water Detail	3/9/2022 14:56	40.6	ft
MR-AP-MW-13SR	Oxidation Reduction Potention	3/9/2022 14:56	58.81	mv
MR-AP-MW-13SR	pH	3/9/2022 14:56	6	SU
MR-AP-MW-13SR	Temperature	3/9/2022 14:56	19.39	C
MR-AP-MW-13SR	Turbidity	3/9/2022 14:56	2.07	NTU
MR-AP-MW-13SR	Conductivity	3/9/2022 15:01	1335.54	uS/cm
MR-AP-MW-13SR	DO	3/9/2022 15:01	0.56	mg/L
MR-AP-MW-13SR	Depth to Water Detail	3/9/2022 15:01	40.6	ft
MR-AP-MW-13SR	Oxidation Reduction Potention	3/9/2022 15:01	50.49	mv
MR-AP-MW-13SR	pH	3/9/2022 15:01	6.03	SU
MR-AP-MW-13SR	Temperature	3/9/2022 15:01	19.28	C
MR-AP-MW-13SR	Turbidity	3/9/2022 15:01	1.2	NTU
MR-AP-MW-13SR	Conductivity	3/9/2022 15:06	1370.22	uS/cm
MR-AP-MW-13SR	DO	3/9/2022 15:06	0.38	mg/L
MR-AP-MW-13SR	Depth to Water Detail	3/9/2022 15:06	40.6	ft
MR-AP-MW-13SR	Oxidation Reduction Potention	3/9/2022 15:06	40.5	mv
MR-AP-MW-13SR	pH	3/9/2022 15:06	6.05	SU
MR-AP-MW-13SR	Temperature	3/9/2022 15:06	19.26	C
MR-AP-MW-13SR	Turbidity	3/9/2022 15:06	1.18	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-14R	Conductivity	3/9/2022 11:19	346.17	uS/cm
MR-AP-MW-14R	DO	3/9/2022 11:19	0.16	mg/L
MR-AP-MW-14R	Depth to Water Detail	3/9/2022 11:19	15.79	ft
MR-AP-MW-14R	Oxidation Reduction Potention	3/9/2022 11:19	-22.63	mv
MR-AP-MW-14R	pH	3/9/2022 11:19	6.47	SU
MR-AP-MW-14R	Temperature	3/9/2022 11:19	19.03	C
MR-AP-MW-14R	Turbidity	3/9/2022 11:19	3.03	NTU
MR-AP-MW-14R	Conductivity	3/9/2022 11:24	346.13	uS/cm
MR-AP-MW-14R	DO	3/9/2022 11:24	0.13	mg/L
MR-AP-MW-14R	Depth to Water Detail	3/9/2022 11:24	15.92	ft
MR-AP-MW-14R	Oxidation Reduction Potention	3/9/2022 11:24	-25.36	mv
MR-AP-MW-14R	pH	3/9/2022 11:24	6.49	SU
MR-AP-MW-14R	Temperature	3/9/2022 11:24	19.03	C
MR-AP-MW-14R	Turbidity	3/9/2022 11:24	2.12	NTU
MR-AP-MW-14R	Conductivity	3/9/2022 11:29	345.37	uS/cm
MR-AP-MW-14R	DO	3/9/2022 11:29	0.11	mg/L
MR-AP-MW-14R	Depth to Water Detail	3/9/2022 11:29	15.96	ft
MR-AP-MW-14R	Oxidation Reduction Potention	3/9/2022 11:29	-27.73	mv
MR-AP-MW-14R	pH	3/9/2022 11:29	6.52	SU
MR-AP-MW-14R	Temperature	3/9/2022 11:29	19.03	C
MR-AP-MW-14R	Turbidity	3/9/2022 11:29	2	NTU
MR-AP-MW-14R	Conductivity	3/9/2022 11:34	345.22	uS/cm
MR-AP-MW-14R	DO	3/9/2022 11:34	0.1	mg/L
MR-AP-MW-14R	Depth to Water Detail	3/9/2022 11:34	16.02	ft
MR-AP-MW-14R	Oxidation Reduction Potention	3/9/2022 11:34	-29.04	mv
MR-AP-MW-14R	pH	3/9/2022 11:34	6.53	SU
MR-AP-MW-14R	Temperature	3/9/2022 11:34	19.03	C
MR-AP-MW-14R	Turbidity	3/9/2022 11:34	2.1	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-15	Conductivity	3/9/2022 8:56	499.42	uS/cm
MR-AP-MW-15	DO	3/9/2022 8:56	0.24	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 8:56	15.14	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 8:56	-38.37	mv
MR-AP-MW-15	pH	3/9/2022 8:56	6	SU
MR-AP-MW-15	Temperature	3/9/2022 8:56	20.39	C
MR-AP-MW-15	Turbidity	3/9/2022 8:56	157	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:01	470.3	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:01	0.19	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:01	15.29	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:01	-37.13	mv
MR-AP-MW-15	pH	3/9/2022 9:01	6.08	SU
MR-AP-MW-15	Temperature	3/9/2022 9:01	20.39	C
MR-AP-MW-15	Turbidity	3/9/2022 9:01	138	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:06	463.9	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:06	0.17	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:06	15.41	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:06	-37.68	mv
MR-AP-MW-15	pH	3/9/2022 9:06	6.15	SU
MR-AP-MW-15	Temperature	3/9/2022 9:06	20.42	C
MR-AP-MW-15	Turbidity	3/9/2022 9:06	92.4	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:11	463.49	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:11	0.16	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:11	15.51	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:11	-38.48	mv
MR-AP-MW-15	pH	3/9/2022 9:11	6.19	SU
MR-AP-MW-15	Temperature	3/9/2022 9:11	20.44	C
MR-AP-MW-15	Turbidity	3/9/2022 9:11	62.3	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:16	463.2	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:16	0.16	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:16	15.6	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:16	-39.12	mv
MR-AP-MW-15	pH	3/9/2022 9:16	6.22	SU
MR-AP-MW-15	Temperature	3/9/2022 9:16	20.46	C
MR-AP-MW-15	Turbidity	3/9/2022 9:16	38.8	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:21	462.93	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:21	0.15	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:21	15.62	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:21	-39.32	mv
MR-AP-MW-15	pH	3/9/2022 9:21	6.25	SU
MR-AP-MW-15	Temperature	3/9/2022 9:21	20.44	C
MR-AP-MW-15	Turbidity	3/9/2022 9:21	29.2	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:26	465.05	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:26	0.15	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:26	15.71	ft

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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:26	-39.57	mv
MR-AP-MW-15	pH	3/9/2022 9:26	6.26	SU
MR-AP-MW-15	Temperature	3/9/2022 9:26	20.51	C
MR-AP-MW-15	Turbidity	3/9/2022 9:26	21.8	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:31	462.91	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:31	0.15	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:31	15.74	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:31	-39.36	mv
MR-AP-MW-15	pH	3/9/2022 9:31	6.27	SU
MR-AP-MW-15	Temperature	3/9/2022 9:31	20.5	C
MR-AP-MW-15	Turbidity	3/9/2022 9:31	19.3	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:36	465.43	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:36	0.15	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:36	15.75	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:36	-39.69	mv
MR-AP-MW-15	pH	3/9/2022 9:36	6.29	SU
MR-AP-MW-15	Temperature	3/9/2022 9:36	20.49	C
MR-AP-MW-15	Turbidity	3/9/2022 9:36	17.1	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:41	462.16	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:41	0.14	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:41	15.76	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:41	-40.26	mv
MR-AP-MW-15	pH	3/9/2022 9:41	6.3	SU
MR-AP-MW-15	Temperature	3/9/2022 9:41	20.56	C
MR-AP-MW-15	Turbidity	3/9/2022 9:41	14.1	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:46	458.1	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:46	0.14	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:46	15.78	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:46	-40.67	mv
MR-AP-MW-15	pH	3/9/2022 9:46	6.32	SU
MR-AP-MW-15	Temperature	3/9/2022 9:46	20.49	C
MR-AP-MW-15	Turbidity	3/9/2022 9:46	13.3	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:51	453.27	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:51	0.14	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:51	15.83	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:51	-40.59	mv
MR-AP-MW-15	pH	3/9/2022 9:51	6.32	SU
MR-AP-MW-15	Temperature	3/9/2022 9:51	20.48	C
MR-AP-MW-15	Turbidity	3/9/2022 9:51	12.6	NTU
MR-AP-MW-15	Conductivity	3/9/2022 9:56	443.29	uS/cm
MR-AP-MW-15	DO	3/9/2022 9:56	0.14	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 9:56	15.9	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 9:56	-40.75	mv
MR-AP-MW-15	pH	3/9/2022 9:56	6.33	SU
MR-AP-MW-15	Temperature	3/9/2022 9:56	20.58	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-15	Turbidity	3/9/2022 9:56	12.54	NTU
MR-AP-MW-15	Conductivity	3/9/2022 10:01	435.35	uS/cm
MR-AP-MW-15	DO	3/9/2022 10:01	0.14	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 10:01	15.91	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 10:01	-42.1	mv
MR-AP-MW-15	pH	3/9/2022 10:01	6.35	SU
MR-AP-MW-15	Temperature	3/9/2022 10:01	20.6	C
MR-AP-MW-15	Turbidity	3/9/2022 10:01	10.53	NTU
MR-AP-MW-15	Conductivity	3/9/2022 10:06	427.19	uS/cm
MR-AP-MW-15	DO	3/9/2022 10:06	0.14	mg/L
MR-AP-MW-15	Depth to Water Detail	3/9/2022 10:06	15.93	ft
MR-AP-MW-15	Oxidation Reduction Potention	3/9/2022 10:06	-43.35	mv
MR-AP-MW-15	pH	3/9/2022 10:06	6.37	SU
MR-AP-MW-15	Temperature	3/9/2022 10:06	20.66	C
MR-AP-MW-15	Turbidity	3/9/2022 10:06	9.67	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-16	Conductivity	3/8/2022 13:08	1047.92	uS/cm
MR-AP-MW-16	DO	3/8/2022 13:08	0.35	mg/L
MR-AP-MW-16	Depth to Water Detail	3/8/2022 13:08	31.54	ft
MR-AP-MW-16	Oxidation Reduction Potention	3/8/2022 13:08	27.49	mv
MR-AP-MW-16	pH	3/8/2022 13:08	6.32	SU
MR-AP-MW-16	Temperature	3/8/2022 13:08	20.58	C
MR-AP-MW-16	Turbidity	3/8/2022 13:08	3.6	NTU
MR-AP-MW-16	Conductivity	3/8/2022 13:13	1003.19	uS/cm
MR-AP-MW-16	DO	3/8/2022 13:13	0.84	mg/L
MR-AP-MW-16	Depth to Water Detail	3/8/2022 13:13	31.61	ft
MR-AP-MW-16	Oxidation Reduction Potention	3/8/2022 13:13	54.21	mv
MR-AP-MW-16	pH	3/8/2022 13:13	6.15	SU
MR-AP-MW-16	Temperature	3/8/2022 13:13	20.78	C
MR-AP-MW-16	Turbidity	3/8/2022 13:13	2.32	NTU
MR-AP-MW-16	Conductivity	3/8/2022 13:18	997.5	uS/cm
MR-AP-MW-16	DO	3/8/2022 13:18	0.96	mg/L
MR-AP-MW-16	Depth to Water Detail	3/8/2022 13:18	31.61	ft
MR-AP-MW-16	Oxidation Reduction Potention	3/8/2022 13:18	64.61	mv
MR-AP-MW-16	pH	3/8/2022 13:18	6.14	SU
MR-AP-MW-16	Temperature	3/8/2022 13:18	20.63	C
MR-AP-MW-16	Turbidity	3/8/2022 13:18	1.2	NTU
MR-AP-MW-16	Conductivity	3/8/2022 13:23	999.74	uS/cm
MR-AP-MW-16	DO	3/8/2022 13:23	1	mg/L
MR-AP-MW-16	Depth to Water Detail	3/8/2022 13:23	31.61	ft
MR-AP-MW-16	Oxidation Reduction Potention	3/8/2022 13:23	67.42	mv
MR-AP-MW-16	pH	3/8/2022 13:23	6.15	SU
MR-AP-MW-16	Temperature	3/8/2022 13:23	20.57	C
MR-AP-MW-16	Turbidity	3/8/2022 13:23	0.98	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	Conductivity	3/15/2022 9:20	3624.44	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:20	1.37	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:20	198.38	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:20	-255.45	mv
MR-AP-MW-1	pH	3/15/2022 9:20	11.88	SU
MR-AP-MW-1	Temperature	3/15/2022 9:20	17.15	C
MR-AP-MW-1	Turbidity	3/15/2022 9:20	10.08	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:25	3441.24	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:25	0.77	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:25	200.7	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:25	-268.22	mv
MR-AP-MW-1	pH	3/15/2022 9:25	11.97	SU
MR-AP-MW-1	Temperature	3/15/2022 9:25	17.11	C
MR-AP-MW-1	Turbidity	3/15/2022 9:25	6.33	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:30	3420.58	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:30	0.52	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:30	203.62	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:30	-281.49	mv
MR-AP-MW-1	pH	3/15/2022 9:30	12	SU
MR-AP-MW-1	Temperature	3/15/2022 9:30	17.22	C
MR-AP-MW-1	Turbidity	3/15/2022 9:30	6.04	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:35	3256.36	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:35	0.38	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:35	205.85	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:35	-293.78	mv
MR-AP-MW-1	pH	3/15/2022 9:35	12.01	SU
MR-AP-MW-1	Temperature	3/15/2022 9:35	17.11	C
MR-AP-MW-1	Turbidity	3/15/2022 9:35	7.2	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:40	2864.4	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:40	0.36	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:40	206.76	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:40	-294.5	mv
MR-AP-MW-1	pH	3/15/2022 9:40	12	SU
MR-AP-MW-1	Temperature	3/15/2022 9:40	16.78	C
MR-AP-MW-1	Turbidity	3/15/2022 9:40	5.8	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:45	2543.35	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:45	0.37	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:45	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:45	-294.64	mv
MR-AP-MW-1	pH	3/15/2022 9:45	11.98	SU
MR-AP-MW-1	Temperature	3/15/2022 9:45	16.74	C
MR-AP-MW-1	Turbidity	3/15/2022 9:45	5.85	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:50	2192.89	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:50	0.36	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:50	206.65	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:50	-297.93	mv
MR-AP-MW-1	pH	3/15/2022 9:50	11.9	SU
MR-AP-MW-1	Temperature	3/15/2022 9:50	16.82	C
MR-AP-MW-1	Turbidity	3/15/2022 9:50	13.9	NTU
MR-AP-MW-1	Conductivity	3/15/2022 9:55	1469.06	uS/cm
MR-AP-MW-1	DO	3/15/2022 9:55	0.36	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 9:55	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 9:55	-298	mv
MR-AP-MW-1	pH	3/15/2022 9:55	11.68	SU
MR-AP-MW-1	Temperature	3/15/2022 9:55	16.84	C
MR-AP-MW-1	Turbidity	3/15/2022 9:55	18.3	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:00	1166.47	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:00	0.34	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:00	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:00	-294.84	mv
MR-AP-MW-1	pH	3/15/2022 10:00	11.4	SU
MR-AP-MW-1	Temperature	3/15/2022 10:00	16.87	C
MR-AP-MW-1	Turbidity	3/15/2022 10:00	16.6	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:05	1051	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:05	0.32	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:05	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:05	-291.17	mv
MR-AP-MW-1	pH	3/15/2022 10:05	11.22	SU
MR-AP-MW-1	Temperature	3/15/2022 10:05	16.67	C
MR-AP-MW-1	Turbidity	3/15/2022 10:05	21.8	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:10	995.53	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:10	0.28	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:10	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:10	-289.1	mv
MR-AP-MW-1	pH	3/15/2022 10:10	11.04	SU
MR-AP-MW-1	Temperature	3/15/2022 10:10	16.64	C
MR-AP-MW-1	Turbidity	3/15/2022 10:10	17.2	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:15	966.27	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:15	0.26	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:15	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:15	-283.57	mv
MR-AP-MW-1	pH	3/15/2022 10:15	10.73	SU
MR-AP-MW-1	Temperature	3/15/2022 10:15	16.66	C
MR-AP-MW-1	Turbidity	3/15/2022 10:15	13.8	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:20	953.86	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:20	0.25	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:20	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:20	-275.15	mv
MR-AP-MW-1	pH	3/15/2022 10:20	10.29	SU
MR-AP-MW-1	Temperature	3/15/2022 10:20	16.63	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	Turbidity	3/15/2022 10:20	13.2	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:25	951	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:25	0.24	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:25	206.65	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:25	-267.13	mv
MR-AP-MW-1	pH	3/15/2022 10:25	9.92	SU
MR-AP-MW-1	Temperature	3/15/2022 10:25	16.69	C
MR-AP-MW-1	Turbidity	3/15/2022 10:25	10.87	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:30	971.58	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:30	0.22	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:30	206.8	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:30	-267.7	mv
MR-AP-MW-1	pH	3/15/2022 10:30	9.62	SU
MR-AP-MW-1	Temperature	3/15/2022 10:30	16.69	C
MR-AP-MW-1	Turbidity	3/15/2022 10:30	11.1	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:35	960.05	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:35	0.2	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:35	206.8	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:35	-285.28	mv
MR-AP-MW-1	pH	3/15/2022 10:35	9.4	SU
MR-AP-MW-1	Temperature	3/15/2022 10:35	16.67	C
MR-AP-MW-1	Turbidity	3/15/2022 10:35	8.9	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:40	988.36	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:40	0.19	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:40	206.8	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:40	-296.6	mv
MR-AP-MW-1	pH	3/15/2022 10:40	9.27	SU
MR-AP-MW-1	Temperature	3/15/2022 10:40	16.64	C
MR-AP-MW-1	Turbidity	3/15/2022 10:40	9.36	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:45	960.62	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:45	0.17	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:45	206.8	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:45	-312.14	mv
MR-AP-MW-1	pH	3/15/2022 10:45	9.17	SU
MR-AP-MW-1	Temperature	3/15/2022 10:45	16.57	C
MR-AP-MW-1	Turbidity	3/15/2022 10:45	7.71	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:50	979.02	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:50	0.16	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:50	206.9	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:50	-316.49	mv
MR-AP-MW-1	pH	3/15/2022 10:50	9.05	SU
MR-AP-MW-1	Temperature	3/15/2022 10:50	16.61	C
MR-AP-MW-1	Turbidity	3/15/2022 10:50	6.84	NTU
MR-AP-MW-1	Conductivity	3/15/2022 10:55	1012.62	uS/cm
MR-AP-MW-1	DO	3/15/2022 10:55	0.14	mg/L

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	Depth to Water Detail	3/15/2022 10:55	207.2	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 10:55	-320.8	mv
MR-AP-MW-1	pH	3/15/2022 10:55	8.87	SU
MR-AP-MW-1	Temperature	3/15/2022 10:55	16.61	C
MR-AP-MW-1	Turbidity	3/15/2022 10:55	6.2	NTU
MR-AP-MW-1	Conductivity	3/15/2022 11:00	1042.86	uS/cm
MR-AP-MW-1	DO	3/15/2022 11:00	0.13	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 11:00	207.4	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 11:00	-321.79	mv
MR-AP-MW-1	pH	3/15/2022 11:00	8.76	SU
MR-AP-MW-1	Temperature	3/15/2022 11:00	16.69	C
MR-AP-MW-1	Turbidity	3/15/2022 11:00	6.46	NTU
MR-AP-MW-1	Conductivity	3/15/2022 11:05	1056.93	uS/cm
MR-AP-MW-1	DO	3/15/2022 11:05	0.1	mg/L
MR-AP-MW-1	Depth to Water Detail	3/15/2022 11:05	207.4	ft
MR-AP-MW-1	Oxidation Reduction Potention	3/15/2022 11:05	-326.13	mv
MR-AP-MW-1	pH	3/15/2022 11:05	8.71	SU
MR-AP-MW-1	Temperature	3/15/2022 11:05	16.62	C
MR-AP-MW-1	Turbidity	3/15/2022 11:05	5.43	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-4	Conductivity	3/15/2022 8:26	1186.91	uS/cm
MR-AP-MW-4	DO	3/15/2022 8:26	0.69	mg/L
MR-AP-MW-4	Depth to Water Detail	3/15/2022 8:26	50.12	ft
MR-AP-MW-4	Oxidation Reduction Potention	3/15/2022 8:26	17.08	mv
MR-AP-MW-4	pH	3/15/2022 8:26	6.67	SU
MR-AP-MW-4	Temperature	3/15/2022 8:26	18.24	C
MR-AP-MW-4	Turbidity	3/15/2022 8:26	3.44	NTU
MR-AP-MW-4	Conductivity	3/15/2022 8:31	1136.14	uS/cm
MR-AP-MW-4	DO	3/15/2022 8:31	0.57	mg/L
MR-AP-MW-4	Depth to Water Detail	3/15/2022 8:31	50.43	ft
MR-AP-MW-4	Oxidation Reduction Potention	3/15/2022 8:31	26.02	mv
MR-AP-MW-4	pH	3/15/2022 8:31	6.51	SU
MR-AP-MW-4	Temperature	3/15/2022 8:31	18.39	C
MR-AP-MW-4	Turbidity	3/15/2022 8:31	2.03	NTU
MR-AP-MW-4	Conductivity	3/15/2022 8:36	1098.24	uS/cm
MR-AP-MW-4	DO	3/15/2022 8:36	0.56	mg/L
MR-AP-MW-4	Depth to Water Detail	3/15/2022 8:36	50.61	ft
MR-AP-MW-4	Oxidation Reduction Potention	3/15/2022 8:36	32.7	mv
MR-AP-MW-4	pH	3/15/2022 8:36	6.38	SU
MR-AP-MW-4	Temperature	3/15/2022 8:36	18.43	C
MR-AP-MW-4	Turbidity	3/15/2022 8:36	2.48	NTU
MR-AP-MW-4	Conductivity	3/15/2022 8:41	1076.32	uS/cm
MR-AP-MW-4	DO	3/15/2022 8:41	0.53	mg/L
MR-AP-MW-4	Depth to Water Detail	3/15/2022 8:41	50.72	ft
MR-AP-MW-4	Oxidation Reduction Potention	3/15/2022 8:41	38.76	mv
MR-AP-MW-4	pH	3/15/2022 8:41	6.31	SU
MR-AP-MW-4	Temperature	3/15/2022 8:41	18.45	C
MR-AP-MW-4	Turbidity	3/15/2022 8:41	0.6	NTU
MR-AP-MW-4	Conductivity	3/15/2022 8:46	1065.32	uS/cm
MR-AP-MW-4	DO	3/15/2022 8:46	0.51	mg/L
MR-AP-MW-4	Depth to Water Detail	3/15/2022 8:46	50.8	ft
MR-AP-MW-4	Oxidation Reduction Potention	3/15/2022 8:46	42.39	mv
MR-AP-MW-4	pH	3/15/2022 8:46	6.27	SU
MR-AP-MW-4	Temperature	3/15/2022 8:46	18.36	C
MR-AP-MW-4	Turbidity	3/15/2022 8:46	0.57	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-4V	Conductivity	3/15/2022 9:20	1376.56	uS/cm
MR-AP-MW-4V	DO	3/15/2022 9:20	0.55	mg/L
MR-AP-MW-4V	Depth to Water Detail	3/15/2022 9:20	91.84	ft
MR-AP-MW-4V	Oxidation Reduction Potention	3/15/2022 9:20	20.4	mv
MR-AP-MW-4V	pH	3/15/2022 9:20	6.71	SU
MR-AP-MW-4V	Temperature	3/15/2022 9:20	17.95	C
MR-AP-MW-4V	Turbidity	3/15/2022 9:20	3.21	NTU
MR-AP-MW-4V	Conductivity	3/15/2022 9:25	1385.07	uS/cm
MR-AP-MW-4V	DO	3/15/2022 9:25	0.44	mg/L
MR-AP-MW-4V	Depth to Water Detail	3/15/2022 9:25	91.89	ft
MR-AP-MW-4V	Oxidation Reduction Potention	3/15/2022 9:25	8.66	mv
MR-AP-MW-4V	pH	3/15/2022 9:25	6.7	SU
MR-AP-MW-4V	Temperature	3/15/2022 9:25	18	C
MR-AP-MW-4V	Turbidity	3/15/2022 9:25	0.5	NTU
MR-AP-MW-4V	Conductivity	3/15/2022 9:30	1388.05	uS/cm
MR-AP-MW-4V	DO	3/15/2022 9:30	0.43	mg/L
MR-AP-MW-4V	Depth to Water Detail	3/15/2022 9:30	91.89	ft
MR-AP-MW-4V	Oxidation Reduction Potention	3/15/2022 9:30	2.55	mv
MR-AP-MW-4V	pH	3/15/2022 9:30	6.69	SU
MR-AP-MW-4V	Temperature	3/15/2022 9:30	17.98	C
MR-AP-MW-4V	Turbidity	3/15/2022 9:30	0.41	NTU
MR-AP-MW-4V	Conductivity	3/15/2022 9:35	1384.38	uS/cm
MR-AP-MW-4V	DO	3/15/2022 9:35	0.41	mg/L
MR-AP-MW-4V	Depth to Water Detail	3/15/2022 9:35	91.89	ft
MR-AP-MW-4V	Oxidation Reduction Potention	3/15/2022 9:35	0.03	mv
MR-AP-MW-4V	pH	3/15/2022 9:35	6.68	SU
MR-AP-MW-4V	Temperature	3/15/2022 9:35	17.96	C
MR-AP-MW-4V	Turbidity	3/15/2022 9:35	0.31	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-5	Conductivity	3/14/2022 12:47	1509.88	uS/cm
MR-AP-MW-5	DO	3/14/2022 12:47	0.22	mg/L
MR-AP-MW-5	Depth to Water Detail	3/14/2022 12:47	0	ft
MR-AP-MW-5	Oxidation Reduction Potention	3/14/2022 12:47	-55.92	mv
MR-AP-MW-5	pH	3/14/2022 12:47	6.84	SU
MR-AP-MW-5	Temperature	3/14/2022 12:47	16.01	C
MR-AP-MW-5	Turbidity	3/14/2022 12:47	0.36	NTU
MR-AP-MW-5	Conductivity	3/14/2022 12:52	1509.04	uS/cm
MR-AP-MW-5	DO	3/14/2022 12:52	0.21	mg/L
MR-AP-MW-5	Depth to Water Detail	3/14/2022 12:52	0	ft
MR-AP-MW-5	Oxidation Reduction Potention	3/14/2022 12:52	-61.38	mv
MR-AP-MW-5	pH	3/14/2022 12:52	6.88	SU
MR-AP-MW-5	Temperature	3/14/2022 12:52	16.12	C
MR-AP-MW-5	Turbidity	3/14/2022 12:52	0.3	NTU
MR-AP-MW-5	Conductivity	3/14/2022 12:57	1510.42	uS/cm
MR-AP-MW-5	DO	3/14/2022 12:57	0.21	mg/L
MR-AP-MW-5	Depth to Water Detail	3/14/2022 12:57	0	ft
MR-AP-MW-5	Oxidation Reduction Potention	3/14/2022 12:57	-64.76	mv
MR-AP-MW-5	pH	3/14/2022 12:57	6.91	SU
MR-AP-MW-5	Temperature	3/14/2022 12:57	16.14	C
MR-AP-MW-5	Turbidity	3/14/2022 12:57	0.25	NTU
MR-AP-MW-5	Conductivity	3/14/2022 13:02	1511.6	uS/cm
MR-AP-MW-5	DO	3/14/2022 13:02	0.21	mg/L
MR-AP-MW-5	Depth to Water Detail	3/14/2022 13:02	0	ft
MR-AP-MW-5	Oxidation Reduction Potention	3/14/2022 13:02	-66.96	mv
MR-AP-MW-5	pH	3/14/2022 13:02	6.92	SU
MR-AP-MW-5	Temperature	3/14/2022 13:02	16.08	C
MR-AP-MW-5	Turbidity	3/14/2022 13:02	0.31	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-33H	Conductivity	3/14/2022 11:01	1170.4	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:01	0.92	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:01	18.97	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:01	-7.35	mv
MR-AP-MW-33H	pH	3/14/2022 11:01	6.27	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:01	15.84	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:01	25.3	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:06	1173.32	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:06	0.8	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:06	19.27	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:06	-6.21	mv
MR-AP-MW-33H	pH	3/14/2022 11:06	6.3	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:06	16.08	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:06	10.67	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:11	1173.87	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:11	0.75	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:11	19.46	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:11	-6.48	mv
MR-AP-MW-33H	pH	3/14/2022 11:11	6.31	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:11	16.06	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:11	4.13	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:16	1174.58	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:16	0.72	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:16	19.62	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:16	-6.55	mv
MR-AP-MW-33H	pH	3/14/2022 11:16	6.33	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:16	16.16	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:16	5.32	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:21	1174.32	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:21	0.74	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:21	19.74	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:21	-6.71	mv
MR-AP-MW-33H	pH	3/14/2022 11:21	6.36	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:21	16.19	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:21	51.8	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:26	1174.33	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:26	0.79	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:26	19.85	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:26	-4.97	mv
MR-AP-MW-33H	pH	3/14/2022 11:26	6.39	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:26	16.23	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:26	100.4	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:31	1173.36	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:31	0.85	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:31	19.9	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:31	-4.16	mv
MR-AP-MW-33H	pH	3/14/2022 11:31	6.41	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:31	16.27	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:31	39.9	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:36	1174.82	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:36	0.88	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:36	19.93	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:36	-3.26	mv
MR-AP-MW-33H	pH	3/14/2022 11:36	6.44	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:36	16.33	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:36	18.5	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:41	1184.1	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:41	0.84	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:41	19.96	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:41	-3.19	mv
MR-AP-MW-33H	pH	3/14/2022 11:41	6.45	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:41	16.52	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:41	13.1	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:46	1177.6	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:46	0.83	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:46	19.99	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:46	-4.29	mv
MR-AP-MW-33H	pH	3/14/2022 11:46	6.48	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:46	16.52	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:46	7.3	NTU
MR-AP-MW-33H	Conductivity	3/14/2022 11:51	1179.06	uS/cm
MR-AP-MW-33H	DO	3/14/2022 11:51	0.82	mg/L
MR-AP-MW-33H	Depth to Water Detail	3/14/2022 11:51	20	ft
MR-AP-MW-33H	Oxidation Reduction Potention	3/14/2022 11:51	-4.57	mv
MR-AP-MW-33H	pH	3/14/2022 11:51	6.5	SU
MR-AP-MW-33H	Temperature	3/14/2022 11:51	16.63	C
MR-AP-MW-33H	Turbidity	3/14/2022 11:51	4.32	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-PZ-5	Conductivity	3/14/2022 13:55	1164.52	uS/cm
MR-AP-PZ-5	DO	3/14/2022 13:55	0.56	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 13:55	2.34	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 13:55	-224.66	mv
MR-AP-PZ-5	pH	3/14/2022 13:55	8.27	SU
MR-AP-PZ-5	Temperature	3/14/2022 13:55	16.12	C
MR-AP-PZ-5	Turbidity	3/14/2022 13:55	0.21	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:00	1182.02	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:00	0.47	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:00	3.36	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:00	-254.52	mv
MR-AP-PZ-5	pH	3/14/2022 14:00	8.33	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:00	16.31	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:00	0.19	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:05	1149.56	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:05	0.46	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:05	4.2	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:05	-280.64	mv
MR-AP-PZ-5	pH	3/14/2022 14:05	8.38	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:05	16.38	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:05	0.15	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:10	1110.06	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:10	0.36	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:10	5.96	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:10	-294.67	mv
MR-AP-PZ-5	pH	3/14/2022 14:10	8.4	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:10	16.46	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:10	0.14	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:15	1072.61	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:15	0.42	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:15	6.42	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:15	-298.68	mv
MR-AP-PZ-5	pH	3/14/2022 14:15	8.41	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:15	16.37	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:15	0.16	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:20	1028.28	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:20	0.44	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:20	6.95	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:20	-300.89	mv
MR-AP-PZ-5	pH	3/14/2022 14:20	8.43	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:20	16.39	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:20	0.68	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:25	980.76	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:25	0.55	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:25	7.14	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:25	-301.06	mv
MR-AP-PZ-5	pH	3/14/2022 14:25	8.45	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:25	16.36	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:25	0.28	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:30	1151.05	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:30	0.63	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:30	7.3	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:30	-300.95	mv
MR-AP-PZ-5	pH	3/14/2022 14:30	8.44	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:30	16.15	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:30	0.05	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:35	1113.81	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:35	0.63	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:35	7.41	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:35	-301.02	mv
MR-AP-PZ-5	pH	3/14/2022 14:35	8.44	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:35	16.14	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:35	0.01	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:40	1072.84	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:40	0.61	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:40	7.58	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:40	-302.66	mv
MR-AP-PZ-5	pH	3/14/2022 14:40	8.46	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:40	16.16	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:40	0.01	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:45	1216.2	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:45	0.66	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:45	7.7	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:45	-303.57	mv
MR-AP-PZ-5	pH	3/14/2022 14:45	8.47	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:45	16.16	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:45	0.21	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:50	1224.18	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:50	0.69	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:50	7.82	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:50	-304.21	mv
MR-AP-PZ-5	pH	3/14/2022 14:50	8.46	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:50	16.55	C
MR-AP-PZ-5	Turbidity	3/14/2022 14:50	0.03	NTU
MR-AP-PZ-5	Conductivity	3/14/2022 14:55	1231.92	uS/cm
MR-AP-PZ-5	DO	3/14/2022 14:55	0.63	mg/L
MR-AP-PZ-5	Depth to Water Detail	3/14/2022 14:55	7.95	ft
MR-AP-PZ-5	Oxidation Reduction Potention	3/14/2022 14:55	-307.2	mv
MR-AP-PZ-5	pH	3/14/2022 14:55	8.47	SU
MR-AP-PZ-5	Temperature	3/14/2022 14:55	16.78	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-PZ-5	Turbidity	3/14/2022 14:55	0.01	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-2	Conductivity	3/16/2022 15:05	1428.23	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:05	2.3	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:05	202.61	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:05	136.83	mv
MR-AP-MW-2	pH	3/16/2022 15:05	5.61	SU
MR-AP-MW-2	Temperature	3/16/2022 15:05	19.27	C
MR-AP-MW-2	Turbidity	3/16/2022 15:05	3.5	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:10	1220.1	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:10	1.36	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:10	202.78	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:10	49.65	mv
MR-AP-MW-2	pH	3/16/2022 15:10	6	SU
MR-AP-MW-2	Temperature	3/16/2022 15:10	18.95	C
MR-AP-MW-2	Turbidity	3/16/2022 15:10	0.52	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:15	1443.21	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:15	1.2	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:15	202.85	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:15	27.05	mv
MR-AP-MW-2	pH	3/16/2022 15:15	5.91	SU
MR-AP-MW-2	Temperature	3/16/2022 15:15	19.17	C
MR-AP-MW-2	Turbidity	3/16/2022 15:15	0.8	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:20	1976.99	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:20	1.16	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:20	202.85	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:20	14.94	mv
MR-AP-MW-2	pH	3/16/2022 15:20	5.84	SU
MR-AP-MW-2	Temperature	3/16/2022 15:20	18.91	C
MR-AP-MW-2	Turbidity	3/16/2022 15:20	0.27	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:25	2469.25	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:25	1.11	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:25	202.85	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:25	3.1	mv
MR-AP-MW-2	pH	3/16/2022 15:25	5.92	SU
MR-AP-MW-2	Temperature	3/16/2022 15:25	18.65	C
MR-AP-MW-2	Turbidity	3/16/2022 15:25	0.13	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:30	2632.73	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:30	1.05	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:30	202.85	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:30	-6.86	mv
MR-AP-MW-2	pH	3/16/2022 15:30	6.02	SU
MR-AP-MW-2	Temperature	3/16/2022 15:30	18.8	C
MR-AP-MW-2	Turbidity	3/16/2022 15:30	0.16	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:35	2714.55	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:35	1.03	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:35	202.85	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:35	-13.66	mv
MR-AP-MW-2	pH	3/16/2022 15:35	6.1	SU
MR-AP-MW-2	Temperature	3/16/2022 15:35	18.44	C
MR-AP-MW-2	Turbidity	3/16/2022 15:35	0.36	NTU
MR-AP-MW-2	Conductivity	3/16/2022 15:40	2749.84	uS/cm
MR-AP-MW-2	DO	3/16/2022 15:40	1.02	mg/L
MR-AP-MW-2	Depth to Water Detail	3/16/2022 15:40	202.85	ft
MR-AP-MW-2	Oxidation Reduction Potention	3/16/2022 15:40	-18.51	mv
MR-AP-MW-2	pH	3/16/2022 15:40	6.14	SU
MR-AP-MW-2	Temperature	3/16/2022 15:40	18.45	C
MR-AP-MW-2	Turbidity	3/16/2022 15:40	0.15	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-3D	Conductivity	3/16/2022 13:41	1062.01	uS/cm
MR-AP-MW-3D	DO	3/16/2022 13:41	1.17	mg/L
MR-AP-MW-3D	Depth to Water Detail	3/16/2022 13:41	108.3	ft
MR-AP-MW-3D	Oxidation Reduction Potention	3/16/2022 13:41	-24.66	mv
MR-AP-MW-3D	pH	3/16/2022 13:41	7.26	SU
MR-AP-MW-3D	Temperature	3/16/2022 13:41	17.63	C
MR-AP-MW-3D	Turbidity	3/16/2022 13:41	12.22	NTU
MR-AP-MW-3D	Conductivity	3/16/2022 13:46	1032.6	uS/cm
MR-AP-MW-3D	DO	3/16/2022 13:46	0.87	mg/L
MR-AP-MW-3D	Depth to Water Detail	3/16/2022 13:46	108.3	ft
MR-AP-MW-3D	Oxidation Reduction Potention	3/16/2022 13:46	-31.68	mv
MR-AP-MW-3D	pH	3/16/2022 13:46	7.11	SU
MR-AP-MW-3D	Temperature	3/16/2022 13:46	17.6	C
MR-AP-MW-3D	Turbidity	3/16/2022 13:46	4.99	NTU
MR-AP-MW-3D	Conductivity	3/16/2022 13:51	1029.66	uS/cm
MR-AP-MW-3D	DO	3/16/2022 13:51	0.81	mg/L
MR-AP-MW-3D	Depth to Water Detail	3/16/2022 13:51	108.3	ft
MR-AP-MW-3D	Oxidation Reduction Potention	3/16/2022 13:51	-36.17	mv
MR-AP-MW-3D	pH	3/16/2022 13:51	7.08	SU
MR-AP-MW-3D	Temperature	3/16/2022 13:51	17.49	C
MR-AP-MW-3D	Turbidity	3/16/2022 13:51	4.24	NTU
MR-AP-MW-3D	Conductivity	3/16/2022 13:56	1029.04	uS/cm
MR-AP-MW-3D	DO	3/16/2022 13:56	0.71	mg/L
MR-AP-MW-3D	Depth to Water Detail	3/16/2022 13:56	108.3	ft
MR-AP-MW-3D	Oxidation Reduction Potention	3/16/2022 13:56	-37.65	mv
MR-AP-MW-3D	pH	3/16/2022 13:56	7.04	SU
MR-AP-MW-3D	Temperature	3/16/2022 13:56	17.55	C
MR-AP-MW-3D	Turbidity	3/16/2022 13:56	3.78	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-3S	Conductivity	3/16/2022 12:19	1163.49	uS/cm
MR-AP-MW-3S	DO	3/16/2022 12:19	1.47	mg/L
MR-AP-MW-3S	Depth to Water Detail	3/16/2022 12:19	89.37	ft
MR-AP-MW-3S	Oxidation Reduction Potention	3/16/2022 12:19	-134.32	mv
MR-AP-MW-3S	pH	3/16/2022 12:19	8.98	SU
MR-AP-MW-3S	Temperature	3/16/2022 12:19	17.03	C
MR-AP-MW-3S	Turbidity	3/16/2022 12:19	1.06	NTU
MR-AP-MW-3S	Conductivity	3/16/2022 12:24	1134.54	uS/cm
MR-AP-MW-3S	DO	3/16/2022 12:24	1.06	mg/L
MR-AP-MW-3S	Depth to Water Detail	3/16/2022 12:24	89.49	ft
MR-AP-MW-3S	Oxidation Reduction Potention	3/16/2022 12:24	-132.17	mv
MR-AP-MW-3S	pH	3/16/2022 12:24	9.01	SU
MR-AP-MW-3S	Temperature	3/16/2022 12:24	16.83	C
MR-AP-MW-3S	Turbidity	3/16/2022 12:24	0.68	NTU
MR-AP-MW-3S	Conductivity	3/16/2022 12:29	1131.27	uS/cm
MR-AP-MW-3S	DO	3/16/2022 12:29	0.92	mg/L
MR-AP-MW-3S	Depth to Water Detail	3/16/2022 12:29	89.56	ft
MR-AP-MW-3S	Oxidation Reduction Potention	3/16/2022 12:29	-131.94	mv
MR-AP-MW-3S	pH	3/16/2022 12:29	9.02	SU
MR-AP-MW-3S	Temperature	3/16/2022 12:29	16.91	C
MR-AP-MW-3S	Turbidity	3/16/2022 12:29	0.42	NTU
MR-AP-MW-3S	Conductivity	3/16/2022 12:34	1137.62	uS/cm
MR-AP-MW-3S	DO	3/16/2022 12:34	0.85	mg/L
MR-AP-MW-3S	Depth to Water Detail	3/16/2022 12:34	89.62	ft
MR-AP-MW-3S	Oxidation Reduction Potention	3/16/2022 12:34	-132.54	mv
MR-AP-MW-3S	pH	3/16/2022 12:34	9.03	SU
MR-AP-MW-3S	Temperature	3/16/2022 12:34	16.98	C
MR-AP-MW-3S	Turbidity	3/16/2022 12:34	0.29	NTU
MR-AP-MW-3S	Conductivity	3/16/2022 12:39	1141.44	uS/cm
MR-AP-MW-3S	DO	3/16/2022 12:39	0.82	mg/L
MR-AP-MW-3S	Depth to Water Detail	3/16/2022 12:39	89.66	ft
MR-AP-MW-3S	Oxidation Reduction Potention	3/16/2022 12:39	-134.4	mv
MR-AP-MW-3S	pH	3/16/2022 12:39	9.05	SU
MR-AP-MW-3S	Temperature	3/16/2022 12:39	16.91	C
MR-AP-MW-3S	Turbidity	3/16/2022 12:39	0.23	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6V	Conductivity	3/16/2022 10:01	1499.8	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:01	2.16	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:01	115.53	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:01	-23.42	mv
MR-AP-MW-6V	pH	3/16/2022 10:01	7.03	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:01	17.3	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:01	25.4	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:06	1535.28	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:06	1.33	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:06	115.56	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:06	-27.39	mv
MR-AP-MW-6V	pH	3/16/2022 10:06	7.13	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:06	17.31	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:06	18.7	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:11	1444.15	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:11	1.2	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:11	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:11	-28.83	mv
MR-AP-MW-6V	pH	3/16/2022 10:11	7.14	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:11	17.37	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:11	12.1	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:16	1243.05	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:16	1.39	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:16	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:16	-27.39	mv
MR-AP-MW-6V	pH	3/16/2022 10:16	7.11	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:16	17.41	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:16	9.48	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:21	1119.58	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:21	1.58	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:21	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:21	-23.43	mv
MR-AP-MW-6V	pH	3/16/2022 10:21	7.07	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:21	17.4	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:21	4.23	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:26	1061.9	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:26	1.56	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:26	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:26	-22.03	mv
MR-AP-MW-6V	pH	3/16/2022 10:26	7.08	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:26	17.44	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:26	3.82	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:31	1015.89	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:31	1.46	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:31	115.58	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:31	-23.12	mv
MR-AP-MW-6V	pH	3/16/2022 10:31	7.1	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:31	17.48	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:31	1.96	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:36	986.83	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:36	1.45	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:36	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:36	-26.42	mv
MR-AP-MW-6V	pH	3/16/2022 10:36	7.13	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:36	17.47	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:36	1.93	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:41	964.39	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:41	1.37	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:41	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:41	-31.44	mv
MR-AP-MW-6V	pH	3/16/2022 10:41	7.15	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:41	17.38	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:41	1.84	NTU
MR-AP-MW-6V	Conductivity	3/16/2022 10:46	950.99	uS/cm
MR-AP-MW-6V	DO	3/16/2022 10:46	1.3	mg/L
MR-AP-MW-6V	Depth to Water Detail	3/16/2022 10:46	115.58	ft
MR-AP-MW-6V	Oxidation Reduction Potention	3/16/2022 10:46	-37.32	mv
MR-AP-MW-6V	pH	3/16/2022 10:46	7.17	SU
MR-AP-MW-6V	Temperature	3/16/2022 10:46	17.43	C
MR-AP-MW-6V	Turbidity	3/16/2022 10:46	1.76	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-10	Conductivity	3/17/2022 7:33	1823.44	uS/cm
MR-AP-MW-10	DO	3/17/2022 7:33	2.34	mg/L
MR-AP-MW-10	Depth to Water Detail	3/17/2022 7:33	141.51	ft
MR-AP-MW-10	Oxidation Reduction Potention	3/17/2022 7:33	48.32	mv
MR-AP-MW-10	pH	3/17/2022 7:33	7.16	SU
MR-AP-MW-10	Temperature	3/17/2022 7:33	15.47	C
MR-AP-MW-10	Turbidity	3/17/2022 7:33	6.57	NTU
MR-AP-MW-10	Conductivity	3/17/2022 7:38	1784.7	uS/cm
MR-AP-MW-10	DO	3/17/2022 7:38	1.23	mg/L
MR-AP-MW-10	Depth to Water Detail	3/17/2022 7:38	141.51	ft
MR-AP-MW-10	Oxidation Reduction Potention	3/17/2022 7:38	9.33	mv
MR-AP-MW-10	pH	3/17/2022 7:38	7.19	SU
MR-AP-MW-10	Temperature	3/17/2022 7:38	15.76	C
MR-AP-MW-10	Turbidity	3/17/2022 7:38	4.26	NTU
MR-AP-MW-10	Conductivity	3/17/2022 7:43	1776.35	uS/cm
MR-AP-MW-10	DO	3/17/2022 7:43	0.99	mg/L
MR-AP-MW-10	Depth to Water Detail	3/17/2022 7:43	141.51	ft
MR-AP-MW-10	Oxidation Reduction Potention	3/17/2022 7:43	-16.64	mv
MR-AP-MW-10	pH	3/17/2022 7:43	7.21	SU
MR-AP-MW-10	Temperature	3/17/2022 7:43	15.61	C
MR-AP-MW-10	Turbidity	3/17/2022 7:43	3.82	NTU
MR-AP-MW-10	Conductivity	3/17/2022 7:48	1780.58	uS/cm
MR-AP-MW-10	DO	3/17/2022 7:48	0.94	mg/L
MR-AP-MW-10	Depth to Water Detail	3/17/2022 7:48	141.51	ft
MR-AP-MW-10	Oxidation Reduction Potention	3/17/2022 7:48	-32.15	mv
MR-AP-MW-10	pH	3/17/2022 7:48	7.23	SU
MR-AP-MW-10	Temperature	3/17/2022 7:48	15.81	C
MR-AP-MW-10	Turbidity	3/17/2022 7:48	3.69	NTU
MR-AP-MW-10	Conductivity	3/17/2022 7:53	1779.08	uS/cm
MR-AP-MW-10	DO	3/17/2022 7:53	0.91	mg/L
MR-AP-MW-10	Depth to Water Detail	3/17/2022 7:53	141.51	ft
MR-AP-MW-10	Oxidation Reduction Potention	3/17/2022 7:53	-41.26	mv
MR-AP-MW-10	pH	3/17/2022 7:53	7.24	SU
MR-AP-MW-10	Temperature	3/17/2022 7:53	15.79	C
MR-AP-MW-10	Turbidity	3/17/2022 7:53	3.44	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-21	Conductivity	3/17/2022 8:55	909.25	uS/cm
MR-AP-MW-21	DO	3/17/2022 8:55	0.79	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 8:55	19.68	ft
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 8:55	-120	mv
MR-AP-MW-21	pH	3/17/2022 8:55	7.75	SU
MR-AP-MW-21	Temperature	3/17/2022 8:55	17.13	C
MR-AP-MW-21	Turbidity	3/17/2022 8:55	6.19	NTU
MR-AP-MW-21	Conductivity	3/17/2022 9:00	857.76	uS/cm
MR-AP-MW-21	DO	3/17/2022 9:00	0.71	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 9:00	19.68	ft
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 9:00	-125.27	mv
MR-AP-MW-21	pH	3/17/2022 9:00	7.8	SU
MR-AP-MW-21	Temperature	3/17/2022 9:00	17.29	C
MR-AP-MW-21	Turbidity	3/17/2022 9:00	1.6	NTU
MR-AP-MW-21	Conductivity	3/17/2022 9:05	810.97	uS/cm
MR-AP-MW-21	DO	3/17/2022 9:05	0.71	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 9:05	19.68	ft
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 9:05	-123.02	mv
MR-AP-MW-21	pH	3/17/2022 9:05	7.76	SU
MR-AP-MW-21	Temperature	3/17/2022 9:05	17.34	C
MR-AP-MW-21	Turbidity	3/17/2022 9:05	1.63	NTU
MR-AP-MW-21	Conductivity	3/17/2022 9:10	784.5	uS/cm
MR-AP-MW-21	DO	3/17/2022 9:10	0.75	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 9:10	19.68	ft
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 9:10	-123.38	mv
MR-AP-MW-21	pH	3/17/2022 9:10	7.78	SU
MR-AP-MW-21	Temperature	3/17/2022 9:10	17.45	C
MR-AP-MW-21	Turbidity	3/17/2022 9:10	1.16	NTU
MR-AP-MW-21	Conductivity	3/17/2022 9:15	762.46	uS/cm
MR-AP-MW-21	DO	3/17/2022 9:15	0.74	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 9:15	19.68	ft
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 9:15	-120.45	mv
MR-AP-MW-21	pH	3/17/2022 9:15	7.73	SU
MR-AP-MW-21	Temperature	3/17/2022 9:15	17.52	C
MR-AP-MW-21	Turbidity	3/17/2022 9:15	1.12	NTU
MR-AP-MW-21	Conductivity	3/17/2022 9:20	747.65	uS/cm
MR-AP-MW-21	DO	3/17/2022 9:20	0.77	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 9:20	19.68	ft
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 9:20	-120.46	mv
MR-AP-MW-21	pH	3/17/2022 9:20	7.74	SU
MR-AP-MW-21	Temperature	3/17/2022 9:20	17.55	C
MR-AP-MW-21	Turbidity	3/17/2022 9:20	1.22	NTU
MR-AP-MW-21	Conductivity	3/17/2022 9:25	734.05	uS/cm
MR-AP-MW-21	DO	3/17/2022 9:25	0.76	mg/L
MR-AP-MW-21	Depth to Water Detail	3/17/2022 9:25	19.68	ft

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-21	Oxidation Reduction Potention	3/17/2022 9:25	-118.41	mv
MR-AP-MW-21	pH	3/17/2022 9:25	7.72	SU
MR-AP-MW-21	Temperature	3/17/2022 9:25	17.7	C
MR-AP-MW-21	Turbidity	3/17/2022 9:25	0.83	NTU
MR-AP-MW-37H	Conductivity	3/17/2022 10:21	517.99	uS/cm
MR-AP-MW-37H	DO	3/17/2022 10:21	0.63	mg/L
MR-AP-MW-37H	Depth to Water Detail	3/17/2022 10:21	108.12	ft
MR-AP-MW-37H	Oxidation Reduction Potention	3/17/2022 10:21	-19.23	mv
MR-AP-MW-37H	pH	3/17/2022 10:21	6.93	SU
MR-AP-MW-37H	Temperature	3/17/2022 10:21	17.42	C
MR-AP-MW-37H	Turbidity	3/17/2022 10:21	4.73	NTU
MR-AP-MW-37H	Conductivity	3/17/2022 10:26	507.91	uS/cm
MR-AP-MW-37H	DO	3/17/2022 10:26	0.54	mg/L
MR-AP-MW-37H	Depth to Water Detail	3/17/2022 10:26	108.97	ft
MR-AP-MW-37H	Oxidation Reduction Potention	3/17/2022 10:26	-24.65	mv
MR-AP-MW-37H	pH	3/17/2022 10:26	6.93	SU
MR-AP-MW-37H	Temperature	3/17/2022 10:26	17.43	C
MR-AP-MW-37H	Turbidity	3/17/2022 10:26	3.55	NTU
MR-AP-MW-37H	Conductivity	3/17/2022 10:31	502.99	uS/cm
MR-AP-MW-37H	DO	3/17/2022 10:31	0.52	mg/L
MR-AP-MW-37H	Depth to Water Detail	3/17/2022 10:31	109.48	ft
MR-AP-MW-37H	Oxidation Reduction Potention	3/17/2022 10:31	-31.49	mv
MR-AP-MW-37H	pH	3/17/2022 10:31	6.96	SU
MR-AP-MW-37H	Temperature	3/17/2022 10:31	17.64	C
MR-AP-MW-37H	Turbidity	3/17/2022 10:31	2.38	NTU
MR-AP-MW-37H	Conductivity	3/17/2022 10:36	500.92	uS/cm
MR-AP-MW-37H	DO	3/17/2022 10:36	0.5	mg/L
MR-AP-MW-37H	Depth to Water Detail	3/17/2022 10:36	109.77	ft
MR-AP-MW-37H	Oxidation Reduction Potention	3/17/2022 10:36	-38.94	mv
MR-AP-MW-37H	pH	3/17/2022 10:36	7	SU
MR-AP-MW-37H	Temperature	3/17/2022 10:36	17.68	C
MR-AP-MW-37H	Turbidity	3/17/2022 10:36	2.71	NTU
MR-AP-MW-37H	Conductivity	3/17/2022 10:41	498.3	uS/cm
MR-AP-MW-37H	DO	3/17/2022 10:41	0.5	mg/L
MR-AP-MW-37H	Depth to Water Detail	3/17/2022 10:41	109.88	ft
MR-AP-MW-37H	Oxidation Reduction Potention	3/17/2022 10:41	-46.55	mv
MR-AP-MW-37H	pH	3/17/2022 10:41	7.06	SU
MR-AP-MW-37H	Temperature	3/17/2022 10:41	17.6	C
MR-AP-MW-37H	Turbidity	3/17/2022 10:41	2.49	NTU
MR-AP-MW-37H	Conductivity	3/17/2022 10:46	498.16	uS/cm
MR-AP-MW-37H	DO	3/17/2022 10:46	0.5	mg/L
MR-AP-MW-37H	Depth to Water Detail	3/17/2022 10:46	109.96	ft
MR-AP-MW-37H	Oxidation Reduction Potention	3/17/2022 10:46	-53.75	mv
MR-AP-MW-37H	pH	3/17/2022 10:46	7.12	SU
MR-AP-MW-37H	Temperature	3/17/2022 10:46	17.67	C

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-37H	Turbidity	3/17/2022 10:46	1.89	NTU

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6	Conductivity	3/16/2022 8:42	1206.99	uS/cm
MR-AP-MW-6	DO	3/16/2022 8:42	0.91	mg/L
MR-AP-MW-6	Depth to Water Detail	3/16/2022 8:42	4.78	ft
MR-AP-MW-6	Oxidation Reduction Potention	3/16/2022 8:42	-8.22	mv
MR-AP-MW-6	pH	3/16/2022 8:42	5.97	SU
MR-AP-MW-6	Temperature	3/16/2022 8:42	16.64	C
MR-AP-MW-6	Turbidity	3/16/2022 8:42	22.5	NTU
MR-AP-MW-6	Conductivity	3/16/2022 8:47	1206.72	uS/cm
MR-AP-MW-6	DO	3/16/2022 8:47	0.52	mg/L
MR-AP-MW-6	Depth to Water Detail	3/16/2022 8:47	5.18	ft
MR-AP-MW-6	Oxidation Reduction Potention	3/16/2022 8:47	-9.24	mv
MR-AP-MW-6	pH	3/16/2022 8:47	5.99	SU
MR-AP-MW-6	Temperature	3/16/2022 8:47	16.78	C
MR-AP-MW-6	Turbidity	3/16/2022 8:47	13.86	NTU
MR-AP-MW-6	Conductivity	3/16/2022 8:52	1207.91	uS/cm
MR-AP-MW-6	DO	3/16/2022 8:52	0.45	mg/L
MR-AP-MW-6	Depth to Water Detail	3/16/2022 8:52	5.31	ft
MR-AP-MW-6	Oxidation Reduction Potention	3/16/2022 8:52	-10.39	mv
MR-AP-MW-6	pH	3/16/2022 8:52	6.01	SU
MR-AP-MW-6	Temperature	3/16/2022 8:52	16.91	C
MR-AP-MW-6	Turbidity	3/16/2022 8:52	8.61	NTU
MR-AP-MW-6	Conductivity	3/16/2022 8:57	1209.02	uS/cm
MR-AP-MW-6	DO	3/16/2022 8:57	0.43	mg/L
MR-AP-MW-6	Depth to Water Detail	3/16/2022 8:57	5.36	ft
MR-AP-MW-6	Oxidation Reduction Potention	3/16/2022 8:57	-12.31	mv
MR-AP-MW-6	pH	3/16/2022 8:57	6.04	SU
MR-AP-MW-6	Temperature	3/16/2022 8:57	16.93	C
MR-AP-MW-6	Turbidity	3/16/2022 8:57	5.21	NTU
MR-AP-MW-6	Conductivity	3/16/2022 9:02	1208.97	uS/cm
MR-AP-MW-6	DO	3/16/2022 9:02	0.41	mg/L
MR-AP-MW-6	Depth to Water Detail	3/16/2022 9:02	5.41	ft
MR-AP-MW-6	Oxidation Reduction Potention	3/16/2022 9:02	-13.98	mv
MR-AP-MW-6	pH	3/16/2022 9:02	6.07	SU
MR-AP-MW-6	Temperature	3/16/2022 9:02	17.04	C
MR-AP-MW-6	Turbidity	3/16/2022 9:02	3.15	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-30H	Conductivity	3/16/2022 10:32	1903.45	uS/cm
MR-AP-MW-30H	DO	3/16/2022 10:32	0.52	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 10:32	244.5	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 10:32	-89.66	mv
MR-AP-MW-30H	pH	3/16/2022 10:32	6.66	SU
MR-AP-MW-30H	Temperature	3/16/2022 10:32	17.1	C
MR-AP-MW-30H	Turbidity	3/16/2022 10:32	2.96	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 10:37	1875.57	uS/cm
MR-AP-MW-30H	DO	3/16/2022 10:37	0.4	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 10:37	247	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 10:37	-92.35	mv
MR-AP-MW-30H	pH	3/16/2022 10:37	6.66	SU
MR-AP-MW-30H	Temperature	3/16/2022 10:37	17.05	C
MR-AP-MW-30H	Turbidity	3/16/2022 10:37	1.95	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 10:42	1878.6	uS/cm
MR-AP-MW-30H	DO	3/16/2022 10:42	0.37	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 10:42	249.05	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 10:42	-95.64	mv
MR-AP-MW-30H	pH	3/16/2022 10:42	6.67	SU
MR-AP-MW-30H	Temperature	3/16/2022 10:42	17.05	C
MR-AP-MW-30H	Turbidity	3/16/2022 10:42	1.79	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 10:47	1872.49	uS/cm
MR-AP-MW-30H	DO	3/16/2022 10:47	0.32	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 10:47	252.05	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 10:47	-99.66	mv
MR-AP-MW-30H	pH	3/16/2022 10:47	6.68	SU
MR-AP-MW-30H	Temperature	3/16/2022 10:47	17.11	C
MR-AP-MW-30H	Turbidity	3/16/2022 10:47	1.9	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 10:52	1869.19	uS/cm
MR-AP-MW-30H	DO	3/16/2022 10:52	0.52	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 10:52	252.54	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 10:52	-101.68	mv
MR-AP-MW-30H	pH	3/16/2022 10:52	6.7	SU
MR-AP-MW-30H	Temperature	3/16/2022 10:52	16.85	C
MR-AP-MW-30H	Turbidity	3/16/2022 10:52	2.04	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 10:57	1868.31	uS/cm
MR-AP-MW-30H	DO	3/16/2022 10:57	0.68	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 10:57	252.72	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 10:57	-102.42	mv
MR-AP-MW-30H	pH	3/16/2022 10:57	6.71	SU
MR-AP-MW-30H	Temperature	3/16/2022 10:57	16.81	C
MR-AP-MW-30H	Turbidity	3/16/2022 10:57	2.78	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 11:02	1866.58	uS/cm
MR-AP-MW-30H	DO	3/16/2022 11:02	0.71	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 11:02	252.83	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 11:02	-103.67	mv
MR-AP-MW-30H	pH	3/16/2022 11:02	6.72	SU
MR-AP-MW-30H	Temperature	3/16/2022 11:02	16.74	C
MR-AP-MW-30H	Turbidity	3/16/2022 11:02	1.81	NTU
MR-AP-MW-30H	Conductivity	3/16/2022 11:07	1784.2	uS/cm
MR-AP-MW-30H	DO	3/16/2022 11:07	0.71	mg/L
MR-AP-MW-30H	Depth to Water Detail	3/16/2022 11:07	252.91	ft
MR-AP-MW-30H	Oxidation Reduction Potention	3/16/2022 11:07	-105.51	mv
MR-AP-MW-30H	pH	3/16/2022 11:07	6.72	SU
MR-AP-MW-30H	Temperature	3/16/2022 11:07	16.7	C
MR-AP-MW-30H	Turbidity	3/16/2022 11:07	1.97	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	Conductivity	3/16/2022 12:08	1404.68	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:08	0.58	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:08	234.11	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:08	-63.62	mv
MR-AP-MW-11	pH	3/16/2022 12:08	6.49	SU
MR-AP-MW-11	Temperature	3/16/2022 12:08	16.92	C
MR-AP-MW-11	Turbidity	3/16/2022 12:08	7.42	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:13	1544.92	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:13	0.41	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:13	235.49	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:13	-65.26	mv
MR-AP-MW-11	pH	3/16/2022 12:13	6.49	SU
MR-AP-MW-11	Temperature	3/16/2022 12:13	16.86	C
MR-AP-MW-11	Turbidity	3/16/2022 12:13	11.49	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:18	1478.21	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:18	0.38	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:18	237.05	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:18	-69.02	mv
MR-AP-MW-11	pH	3/16/2022 12:18	6.52	SU
MR-AP-MW-11	Temperature	3/16/2022 12:18	16.9	C
MR-AP-MW-11	Turbidity	3/16/2022 12:18	6.39	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:23	1222.37	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:23	0.85	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:23	238.14	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:23	-200.38	mv
MR-AP-MW-11	pH	3/16/2022 12:23	9.06	SU
MR-AP-MW-11	Temperature	3/16/2022 12:23	16.88	C
MR-AP-MW-11	Turbidity	3/16/2022 12:23	9.91	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:28	1217.52	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:28	0.88	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:28	239.35	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:28	-165.96	mv
MR-AP-MW-11	pH	3/16/2022 12:28	9.13	SU
MR-AP-MW-11	Temperature	3/16/2022 12:28	16.89	C
MR-AP-MW-11	Turbidity	3/16/2022 12:28	9.12	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:33	1196.1	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:33	0.8	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:33	240.55	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:33	-154.96	mv
MR-AP-MW-11	pH	3/16/2022 12:33	8.96	SU
MR-AP-MW-11	Temperature	3/16/2022 12:33	16.93	C
MR-AP-MW-11	Turbidity	3/16/2022 12:33	6.59	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:38	1197.69	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:38	0.72	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:38	241.68	ft

Groundwater Field Parameters
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WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:38	-169.99	mv
MR-AP-MW-11	pH	3/16/2022 12:38	8.64	SU
MR-AP-MW-11	Temperature	3/16/2022 12:38	16.94	C
MR-AP-MW-11	Turbidity	3/16/2022 12:38	7.83	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:43	1169.41	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:43	0.66	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:43	242.96	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:43	-187.89	mv
MR-AP-MW-11	pH	3/16/2022 12:43	8.36	SU
MR-AP-MW-11	Temperature	3/16/2022 12:43	16.96	C
MR-AP-MW-11	Turbidity	3/16/2022 12:43	6.16	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:48	1182.68	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:48	0.77	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:48	243.1	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:48	-168.47	mv
MR-AP-MW-11	pH	3/16/2022 12:48	8.08	SU
MR-AP-MW-11	Temperature	3/16/2022 12:48	16.79	C
MR-AP-MW-11	Turbidity	3/16/2022 12:48	7.87	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:53	1189.34	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:53	0.87	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:53	242.83	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:53	-154.07	mv
MR-AP-MW-11	pH	3/16/2022 12:53	7.91	SU
MR-AP-MW-11	Temperature	3/16/2022 12:53	16.63	C
MR-AP-MW-11	Turbidity	3/16/2022 12:53	6.88	NTU
MR-AP-MW-11	Conductivity	3/16/2022 12:58	1203.88	uS/cm
MR-AP-MW-11	DO	3/16/2022 12:58	0.89	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 12:58	242.65	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 12:58	-130.34	mv
MR-AP-MW-11	pH	3/16/2022 12:58	7.67	SU
MR-AP-MW-11	Temperature	3/16/2022 12:58	16.67	C
MR-AP-MW-11	Turbidity	3/16/2022 12:58	5.63	NTU
MR-AP-MW-11	Conductivity	3/16/2022 13:03	1239.88	uS/cm
MR-AP-MW-11	DO	3/16/2022 13:03	0.98	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 13:03	242.22	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 13:03	-94.17	mv
MR-AP-MW-11	pH	3/16/2022 13:03	7.26	SU
MR-AP-MW-11	Temperature	3/16/2022 13:03	16.67	C
MR-AP-MW-11	Turbidity	3/16/2022 13:03	4.54	NTU
MR-AP-MW-11	Conductivity	3/16/2022 13:08	1250.19	uS/cm
MR-AP-MW-11	DO	3/16/2022 13:08	1.33	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 13:08	241.55	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 13:08	-79.83	mv
MR-AP-MW-11	pH	3/16/2022 13:08	7.13	SU
MR-AP-MW-11	Temperature	3/16/2022 13:08	16.94	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	Turbidity	3/16/2022 13:08	4.07	NTU
MR-AP-MW-11	Conductivity	3/16/2022 13:13	1260.93	uS/cm
MR-AP-MW-11	DO	3/16/2022 13:13	1.3	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 13:13	241.21	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 13:13	-72.33	mv
MR-AP-MW-11	pH	3/16/2022 13:13	7.06	SU
MR-AP-MW-11	Temperature	3/16/2022 13:13	16.79	C
MR-AP-MW-11	Turbidity	3/16/2022 13:13	4.04	NTU
MR-AP-MW-11	Conductivity	3/16/2022 13:18	1270.94	uS/cm
MR-AP-MW-11	DO	3/16/2022 13:18	1.2	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 13:18	240.89	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 13:18	-65.52	mv
MR-AP-MW-11	pH	3/16/2022 13:18	7	SU
MR-AP-MW-11	Temperature	3/16/2022 13:18	17.08	C
MR-AP-MW-11	Turbidity	3/16/2022 13:18	4.11	NTU
MR-AP-MW-11	Conductivity	3/16/2022 13:23	1284.22	uS/cm
MR-AP-MW-11	DO	3/16/2022 13:23	1.15	mg/L
MR-AP-MW-11	Depth to Water Detail	3/16/2022 13:23	240.6	ft
MR-AP-MW-11	Oxidation Reduction Potention	3/16/2022 13:23	-60.29	mv
MR-AP-MW-11	pH	3/16/2022 13:23	6.94	SU
MR-AP-MW-11	Temperature	3/16/2022 13:23	17.6	C
MR-AP-MW-11	Turbidity	3/16/2022 13:23	3.34	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-36HR	Conductivity	3/16/2022 15:34	3417.83	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 15:34	0.41	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 15:34	203.84	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 15:34	-148.39	mv
MR-AP-MW-36HR	pH	3/16/2022 15:34	7.45	SU
MR-AP-MW-36HR	Temperature	3/16/2022 15:34	17.74	C
MR-AP-MW-36HR	Turbidity	3/16/2022 15:34	5.17	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 15:39	3416.76	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 15:39	0.33	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 15:39	207.89	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 15:39	-135.97	mv
MR-AP-MW-36HR	pH	3/16/2022 15:39	7.43	SU
MR-AP-MW-36HR	Temperature	3/16/2022 15:39	17.63	C
MR-AP-MW-36HR	Turbidity	3/16/2022 15:39	2.75	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 15:44	3398.32	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 15:44	0.27	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 15:44	213.27	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 15:44	-131.17	mv
MR-AP-MW-36HR	pH	3/16/2022 15:44	7.44	SU
MR-AP-MW-36HR	Temperature	3/16/2022 15:44	17.72	C
MR-AP-MW-36HR	Turbidity	3/16/2022 15:44	1.55	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 15:49	3417.4	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 15:49	0.26	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 15:49	216.65	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 15:49	-133.36	mv
MR-AP-MW-36HR	pH	3/16/2022 15:49	7.44	SU
MR-AP-MW-36HR	Temperature	3/16/2022 15:49	17.6	C
MR-AP-MW-36HR	Turbidity	3/16/2022 15:49	2.1	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 15:54	3451.6	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 15:54	0.23	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 15:54	220.97	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 15:54	-133.06	mv
MR-AP-MW-36HR	pH	3/16/2022 15:54	7.45	SU
MR-AP-MW-36HR	Temperature	3/16/2022 15:54	17.64	C
MR-AP-MW-36HR	Turbidity	3/16/2022 15:54	1.38	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 15:59	3466.4	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 15:59	0.52	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 15:59	222.52	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 15:59	-126.88	mv
MR-AP-MW-36HR	pH	3/16/2022 15:59	7.46	SU
MR-AP-MW-36HR	Temperature	3/16/2022 15:59	17.6	C
MR-AP-MW-36HR	Turbidity	3/16/2022 15:59	2.85	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:04	3476.76	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:04	0.71	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:04	222.68	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:04	-118.75	mv
MR-AP-MW-36HR	pH	3/16/2022 16:04	7.46	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:04	17.63	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:04	2.86	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:09	3463.81	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:09	0.79	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:09	222.85	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:09	-114.32	mv
MR-AP-MW-36HR	pH	3/16/2022 16:09	7.47	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:09	17.6	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:09	1.55	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:14	3437.58	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:14	0.81	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:14	223.08	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:14	-113.83	mv
MR-AP-MW-36HR	pH	3/16/2022 16:14	7.48	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:14	17.89	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:14	2.84	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:19	3412.29	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:19	0.82	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:19	223.45	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:19	-114.5	mv
MR-AP-MW-36HR	pH	3/16/2022 16:19	7.49	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:19	17.99	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:19	3	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:24	3380.78	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:24	0.81	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:24	223.65	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:24	-115	mv
MR-AP-MW-36HR	pH	3/16/2022 16:24	7.5	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:24	18.09	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:24	2.44	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:29	3373.88	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:29	0.8	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:29	223.8	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:29	-115.72	mv
MR-AP-MW-36HR	pH	3/16/2022 16:29	7.51	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:29	17.93	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:29	1.8	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:34	3356.73	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:34	0.81	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:34	224.07	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:34	-115.71	mv
MR-AP-MW-36HR	pH	3/16/2022 16:34	7.52	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:34	17.8	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-36HR	Turbidity	3/16/2022 16:34	1.86	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:39	3348.64	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:39	0.88	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:39	224.38	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:39	-115.46	mv
MR-AP-MW-36HR	pH	3/16/2022 16:39	7.52	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:39	17.73	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:39	2.47	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:44	3319.52	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:44	0.93	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:44	224.51	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:44	-114.09	mv
MR-AP-MW-36HR	pH	3/16/2022 16:44	7.52	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:44	17.36	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:44	2.38	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:49	3310.44	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:49	0.92	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:49	224.68	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:49	-113.92	mv
MR-AP-MW-36HR	pH	3/16/2022 16:49	7.52	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:49	17.16	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:49	1.69	NTU
MR-AP-MW-36HR	Conductivity	3/16/2022 16:54	3306.39	uS/cm
MR-AP-MW-36HR	DO	3/16/2022 16:54	0.93	mg/L
MR-AP-MW-36HR	Depth to Water Detail	3/16/2022 16:54	224.79	ft
MR-AP-MW-36HR	Oxidation Reduction Potention	3/16/2022 16:54	-113.62	mv
MR-AP-MW-36HR	pH	3/16/2022 16:54	7.51	SU
MR-AP-MW-36HR	Temperature	3/16/2022 16:54	16.97	C
MR-AP-MW-36HR	Turbidity	3/16/2022 16:54	1.63	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-31H	Conductivity	3/16/2022 18:05	1204.56	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:05	0.44	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:05	249.85	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:05	-85.14	mv
MR-AP-MW-31H	pH	3/16/2022 18:05	6.9	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:05	17.23	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:05	3.09	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:10	1206.28	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:10	0.36	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:10	252.35	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:10	-72.18	mv
MR-AP-MW-31H	pH	3/16/2022 18:10	6.9	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:10	17.25	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:10	1.59	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:15	1204.31	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:15	0.32	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:15	254.46	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:15	-70.15	mv
MR-AP-MW-31H	pH	3/16/2022 18:15	6.91	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:15	17.24	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:15	1.71	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:20	1202.4	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:20	0.73	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:20	255.46	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:20	-64.24	mv
MR-AP-MW-31H	pH	3/16/2022 18:20	6.92	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:20	16.69	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:20	2	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:25	1202.06	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:25	0.86	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:25	255.69	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:25	-56.25	mv
MR-AP-MW-31H	pH	3/16/2022 18:25	6.92	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:25	16.6	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:25	1.73	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:30	1200.94	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:30	0.91	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:30	255.97	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:30	-50.82	mv
MR-AP-MW-31H	pH	3/16/2022 18:30	6.92	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:30	16.5	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:30	1.95	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:35	1197.57	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:35	0.89	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:35	256.18	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:35	-49.04	mv
MR-AP-MW-31H	pH	3/16/2022 18:35	6.92	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:35	16.45	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:35	2.62	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:40	1193.34	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:40	0.9	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:40	256.46	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:40	-48.56	mv
MR-AP-MW-31H	pH	3/16/2022 18:40	6.93	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:40	16.22	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:40	2.57	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:45	1190.37	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:45	0.86	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:45	256.79	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:45	-47.77	mv
MR-AP-MW-31H	pH	3/16/2022 18:45	6.92	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:45	15.96	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:45	2.24	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:50	1174.69	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:50	0.43	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:50	258	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:50	-56.47	mv
MR-AP-MW-31H	pH	3/16/2022 18:50	6.92	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:50	16.59	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:50	2.98	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 18:55	1182.53	uS/cm
MR-AP-MW-31H	DO	3/16/2022 18:55	0.36	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 18:55	259.23	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 18:55	-63.68	mv
MR-AP-MW-31H	pH	3/16/2022 18:55	6.93	SU
MR-AP-MW-31H	Temperature	3/16/2022 18:55	16.84	C
MR-AP-MW-31H	Turbidity	3/16/2022 18:55	3.77	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 19:00	1186.02	uS/cm
MR-AP-MW-31H	DO	3/16/2022 19:00	0.34	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 19:00	260.5	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 19:00	-69.72	mv
MR-AP-MW-31H	pH	3/16/2022 19:00	6.93	SU
MR-AP-MW-31H	Temperature	3/16/2022 19:00	16.85	C
MR-AP-MW-31H	Turbidity	3/16/2022 19:00	4.39	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 19:05	1180.69	uS/cm
MR-AP-MW-31H	DO	3/16/2022 19:05	0.66	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 19:05	260.96	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 19:05	-66	mv
MR-AP-MW-31H	pH	3/16/2022 19:05	6.94	SU
MR-AP-MW-31H	Temperature	3/16/2022 19:05	16.13	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-31H	Turbidity	3/16/2022 19:05	2.76	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 19:10	1182.72	uS/cm
MR-AP-MW-31H	DO	3/16/2022 19:10	0.77	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 19:10	261.02	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 19:10	-59.37	mv
MR-AP-MW-31H	pH	3/16/2022 19:10	6.93	SU
MR-AP-MW-31H	Temperature	3/16/2022 19:10	16.09	C
MR-AP-MW-31H	Turbidity	3/16/2022 19:10	2.84	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 19:15	1180.96	uS/cm
MR-AP-MW-31H	DO	3/16/2022 19:15	0.79	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 19:15	261.16	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 19:15	-55.29	mv
MR-AP-MW-31H	pH	3/16/2022 19:15	6.93	SU
MR-AP-MW-31H	Temperature	3/16/2022 19:15	16.07	C
MR-AP-MW-31H	Turbidity	3/16/2022 19:15	2.78	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 19:20	1174.06	uS/cm
MR-AP-MW-31H	DO	3/16/2022 19:20	0.8	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 19:20	261.35	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 19:20	-57.05	mv
MR-AP-MW-31H	pH	3/16/2022 19:20	6.93	SU
MR-AP-MW-31H	Temperature	3/16/2022 19:20	16.08	C
MR-AP-MW-31H	Turbidity	3/16/2022 19:20	2.61	NTU
MR-AP-MW-31H	Conductivity	3/16/2022 19:25	1167.96	uS/cm
MR-AP-MW-31H	DO	3/16/2022 19:25	0.81	mg/L
MR-AP-MW-31H	Depth to Water Detail	3/16/2022 19:25	261.45	ft
MR-AP-MW-31H	Oxidation Reduction Potention	3/16/2022 19:25	-60.59	mv
MR-AP-MW-31H	pH	3/16/2022 19:25	6.94	SU
MR-AP-MW-31H	Temperature	3/16/2022 19:25	16.07	C
MR-AP-MW-31H	Turbidity	3/16/2022 19:25	2.58	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-12	Conductivity	3/17/2022 9:10	3250.01	uS/cm
MR-AP-MW-12	DO	3/17/2022 9:10	1.16	mg/L
MR-AP-MW-12	Depth to Water Detail	3/17/2022 9:10	100.15	ft
MR-AP-MW-12	Oxidation Reduction Potention	3/17/2022 9:10	22.4	mv
MR-AP-MW-12	pH	3/17/2022 9:10	6.63	SU
MR-AP-MW-12	Temperature	3/17/2022 9:10	19.36	C
MR-AP-MW-12	Turbidity	3/17/2022 9:10	4.66	NTU
MR-AP-MW-12	Conductivity	3/17/2022 9:15	2875.4	uS/cm
MR-AP-MW-12	DO	3/17/2022 9:15	1.19	mg/L
MR-AP-MW-12	Depth to Water Detail	3/17/2022 9:15	100.25	ft
MR-AP-MW-12	Oxidation Reduction Potention	3/17/2022 9:15	27.34	mv
MR-AP-MW-12	pH	3/17/2022 9:15	6.62	SU
MR-AP-MW-12	Temperature	3/17/2022 9:15	19.1	C
MR-AP-MW-12	Turbidity	3/17/2022 9:15	4.58	NTU
MR-AP-MW-12	Conductivity	3/17/2022 9:20	2988.51	uS/cm
MR-AP-MW-12	DO	3/17/2022 9:20	1.09	mg/L
MR-AP-MW-12	Depth to Water Detail	3/17/2022 9:20	100.5	ft
MR-AP-MW-12	Oxidation Reduction Potention	3/17/2022 9:20	0.11	mv
MR-AP-MW-12	pH	3/17/2022 9:20	6.65	SU
MR-AP-MW-12	Temperature	3/17/2022 9:20	19.16	C
MR-AP-MW-12	Turbidity	3/17/2022 9:20	2.65	NTU
MR-AP-MW-12	Conductivity	3/17/2022 9:25	3034.98	uS/cm
MR-AP-MW-12	DO	3/17/2022 9:25	1.04	mg/L
MR-AP-MW-12	Depth to Water Detail	3/17/2022 9:25	100.64	ft
MR-AP-MW-12	Oxidation Reduction Potention	3/17/2022 9:25	-7.39	mv
MR-AP-MW-12	pH	3/17/2022 9:25	6.66	SU
MR-AP-MW-12	Temperature	3/17/2022 9:25	19.29	C
MR-AP-MW-12	Turbidity	3/17/2022 9:25	2.38	NTU
MR-AP-MW-12	Conductivity	3/17/2022 9:30	3055.05	uS/cm
MR-AP-MW-12	DO	3/17/2022 9:30	1	mg/L
MR-AP-MW-12	Depth to Water Detail	3/17/2022 9:30	100.74	ft
MR-AP-MW-12	Oxidation Reduction Potention	3/17/2022 9:30	-10.72	mv
MR-AP-MW-12	pH	3/17/2022 9:30	6.66	SU
MR-AP-MW-12	Temperature	3/17/2022 9:30	19.33	C
MR-AP-MW-12	Turbidity	3/17/2022 9:30	1.91	NTU
MR-AP-MW-12	Conductivity	3/17/2022 9:35	3124.58	uS/cm
MR-AP-MW-12	DO	3/17/2022 9:35	0.97	mg/L
MR-AP-MW-12	Depth to Water Detail	3/17/2022 9:35	100.8	ft
MR-AP-MW-12	Oxidation Reduction Potention	3/17/2022 9:35	-11.94	mv
MR-AP-MW-12	pH	3/17/2022 9:35	6.65	SU
MR-AP-MW-12	Temperature	3/17/2022 9:35	19.38	C
MR-AP-MW-12	Turbidity	3/17/2022 9:35	1.54	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-27HR	Conductivity	3/14/2022 11:13	545.1	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:13	0.48	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:13	101.46	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:13	-90.19	mv
MR-AP-MW-27HR	pH	3/14/2022 11:13	7.14	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:13	20.71	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:13	4.73	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:18	535.93	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:18	0.35	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:18	102.06	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:18	-93.78	mv
MR-AP-MW-27HR	pH	3/14/2022 11:18	7.14	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:18	20.95	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:18	3.74	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:23	526.72	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:23	0.34	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:23	102.81	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:23	-95.3	mv
MR-AP-MW-27HR	pH	3/14/2022 11:23	7.15	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:23	20.92	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:23	3.17	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:28	520.09	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:28	0.33	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:28	102.94	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:28	-92.93	mv
MR-AP-MW-27HR	pH	3/14/2022 11:28	7.16	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:28	20.93	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:28	3.07	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:33	517.29	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:33	0.33	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:33	103.54	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:33	-96.62	mv
MR-AP-MW-27HR	pH	3/14/2022 11:33	7.16	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:33	21.15	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:33	3.08	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:38	513.84	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:38	0.34	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:38	103.86	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:38	-95.64	mv
MR-AP-MW-27HR	pH	3/14/2022 11:38	7.17	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:38	21.13	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:38	2.93	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:43	510.63	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:43	0.33	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:43	104.17	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:43	-91.79	mv
MR-AP-MW-27HR	pH	3/14/2022 11:43	7.15	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:43	21.46	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:43	2.77	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:48	510.51	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:48	0.38	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:48	104.31	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:48	-91.04	mv
MR-AP-MW-27HR	pH	3/14/2022 11:48	7.17	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:48	21.68	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:48	2.71	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:53	504.41	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:53	0.4	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:53	104.59	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:53	-90.52	mv
MR-AP-MW-27HR	pH	3/14/2022 11:53	7.17	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:53	21.64	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:53	2.23	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 11:58	498.2	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 11:58	0.41	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 11:58	104.71	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 11:58	-88.72	mv
MR-AP-MW-27HR	pH	3/14/2022 11:58	7.18	SU
MR-AP-MW-27HR	Temperature	3/14/2022 11:58	22.09	C
MR-AP-MW-27HR	Turbidity	3/14/2022 11:58	1.91	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 12:03	498.31	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 12:03	0.42	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 12:03	104.87	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 12:03	-87.74	mv
MR-AP-MW-27HR	pH	3/14/2022 12:03	7.18	SU
MR-AP-MW-27HR	Temperature	3/14/2022 12:03	21.74	C
MR-AP-MW-27HR	Turbidity	3/14/2022 12:03	2.01	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 12:05	498.65	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 12:05	0.43	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 12:05	104.95	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 12:05	-86.46	mv
MR-AP-MW-27HR	pH	3/14/2022 12:05	7.17	SU
MR-AP-MW-27HR	Temperature	3/14/2022 12:05	21.47	C
MR-AP-MW-27HR	Turbidity	3/14/2022 12:05	2.14	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 12:10	495.61	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 12:10	0.43	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 12:10	105.1	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 12:10	-84.8	mv
MR-AP-MW-27HR	pH	3/14/2022 12:10	7.17	SU
MR-AP-MW-27HR	Temperature	3/14/2022 12:10	21.51	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-27HR	Turbidity	3/14/2022 12:10	3.36	NTU
MR-AP-MW-27HR	Conductivity	3/14/2022 12:15	496.36	uS/cm
MR-AP-MW-27HR	DO	3/14/2022 12:15	0.42	mg/L
MR-AP-MW-27HR	Depth to Water Detail	3/14/2022 12:15	105.22	ft
MR-AP-MW-27HR	Oxidation Reduction Potention	3/14/2022 12:15	-84.52	mv
MR-AP-MW-27HR	pH	3/14/2022 12:15	7.17	SU
MR-AP-MW-27HR	Temperature	3/14/2022 12:15	21.54	C
MR-AP-MW-27HR	Turbidity	3/14/2022 12:15	3.35	NTU
MR-AP-MW-28H	Conductivity	3/14/2022 14:22	556.6	uS/cm
MR-AP-MW-28H	DO	3/14/2022 14:22	0.83	mg/L
MR-AP-MW-28H	Depth to Water Detail	3/14/2022 14:22	92.34	ft
MR-AP-MW-28H	Oxidation Reduction Potention	3/14/2022 14:22	-43.69	mv
MR-AP-MW-28H	pH	3/14/2022 14:22	6.83	SU
MR-AP-MW-28H	Temperature	3/14/2022 14:22	23.05	C
MR-AP-MW-28H	Turbidity	3/14/2022 14:22	1.44	NTU
MR-AP-MW-28H	Conductivity	3/14/2022 14:27	558.12	uS/cm
MR-AP-MW-28H	DO	3/14/2022 14:27	0.83	mg/L
MR-AP-MW-28H	Depth to Water Detail	3/14/2022 14:27	92.41	ft
MR-AP-MW-28H	Oxidation Reduction Potention	3/14/2022 14:27	-42.58	mv
MR-AP-MW-28H	pH	3/14/2022 14:27	6.83	SU
MR-AP-MW-28H	Temperature	3/14/2022 14:27	23.14	C
MR-AP-MW-28H	Turbidity	3/14/2022 14:27	1.58	NTU
MR-AP-MW-28H	Conductivity	3/14/2022 14:32	555.22	uS/cm
MR-AP-MW-28H	DO	3/14/2022 14:32	0.84	mg/L
MR-AP-MW-28H	Depth to Water Detail	3/14/2022 14:32	92.52	ft
MR-AP-MW-28H	Oxidation Reduction Potention	3/14/2022 14:32	-43.22	mv
MR-AP-MW-28H	pH	3/14/2022 14:32	6.84	SU
MR-AP-MW-28H	Temperature	3/14/2022 14:32	23.04	C
MR-AP-MW-28H	Turbidity	3/14/2022 14:32	1.31	NTU
MR-AP-MW-28H	Conductivity	3/14/2022 14:37	549.52	uS/cm
MR-AP-MW-28H	DO	3/14/2022 14:37	0.86	mg/L
MR-AP-MW-28H	Depth to Water Detail	3/14/2022 14:37	92.59	ft
MR-AP-MW-28H	Oxidation Reduction Potention	3/14/2022 14:37	-41.56	mv
MR-AP-MW-28H	pH	3/14/2022 14:37	6.82	SU
MR-AP-MW-28H	Temperature	3/14/2022 14:37	23.16	C
MR-AP-MW-28H	Turbidity	3/14/2022 14:37	1.22	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23	Conductivity	3/15/2022 8:48	7510.86	uS/cm
MR-AP-MW-23	DO	3/15/2022 8:48	0.08	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 8:48	20.91	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 8:48	-170.35	mv
MR-AP-MW-23	pH	3/15/2022 8:48	7.5	SU
MR-AP-MW-23	Temperature	3/15/2022 8:48	20.71	C
MR-AP-MW-23	Turbidity	3/15/2022 8:48	2.77	NTU
MR-AP-MW-23	Conductivity	3/15/2022 8:53	7491.12	uS/cm
MR-AP-MW-23	DO	3/15/2022 8:53	0.08	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 8:53	23.32	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 8:53	-170.67	mv
MR-AP-MW-23	pH	3/15/2022 8:53	7.53	SU
MR-AP-MW-23	Temperature	3/15/2022 8:53	20.8	C
MR-AP-MW-23	Turbidity	3/15/2022 8:53	3.45	NTU
MR-AP-MW-23	Conductivity	3/15/2022 8:58	7502.01	uS/cm
MR-AP-MW-23	DO	3/15/2022 8:58	0.09	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 8:58	29.61	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 8:58	-163	mv
MR-AP-MW-23	pH	3/15/2022 8:58	7.54	SU
MR-AP-MW-23	Temperature	3/15/2022 8:58	20.83	C
MR-AP-MW-23	Turbidity	3/15/2022 8:58	4.44	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:03	7519.51	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:03	0.08	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:03	34.33	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:03	-152.68	mv
MR-AP-MW-23	pH	3/15/2022 9:03	7.55	SU
MR-AP-MW-23	Temperature	3/15/2022 9:03	20.95	C
MR-AP-MW-23	Turbidity	3/15/2022 9:03	5.06	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:08	7519.06	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:08	0.09	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:08	38.19	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:08	-149.38	mv
MR-AP-MW-23	pH	3/15/2022 9:08	7.57	SU
MR-AP-MW-23	Temperature	3/15/2022 9:08	20.97	C
MR-AP-MW-23	Turbidity	3/15/2022 9:08	5.35	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:13	7533.84	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:13	0.09	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:13	42.5	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:13	-146.17	mv
MR-AP-MW-23	pH	3/15/2022 9:13	7.58	SU
MR-AP-MW-23	Temperature	3/15/2022 9:13	20.98	C
MR-AP-MW-23	Turbidity	3/15/2022 9:13	4.42	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:18	7505.05	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:18	0.09	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:18	46.41	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:18	-146.5	mv
MR-AP-MW-23	pH	3/15/2022 9:18	7.6	SU
MR-AP-MW-23	Temperature	3/15/2022 9:18	20.95	C
MR-AP-MW-23	Turbidity	3/15/2022 9:18	4.73	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:23	7481.91	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:23	0.08	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:23	50.34	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:23	-147.86	mv
MR-AP-MW-23	pH	3/15/2022 9:23	7.61	SU
MR-AP-MW-23	Temperature	3/15/2022 9:23	20.95	C
MR-AP-MW-23	Turbidity	3/15/2022 9:23	4.44	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:28	7471.7	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:28	0.07	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:28	52.45	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:28	-147.64	mv
MR-AP-MW-23	pH	3/15/2022 9:28	7.61	SU
MR-AP-MW-23	Temperature	3/15/2022 9:28	20.93	C
MR-AP-MW-23	Turbidity	3/15/2022 9:28	4.25	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:33	7437.12	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:33	0.43	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:33	54.09	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:33	-141	mv
MR-AP-MW-23	pH	3/15/2022 9:33	7.62	SU
MR-AP-MW-23	Temperature	3/15/2022 9:33	20.31	C
MR-AP-MW-23	Turbidity	3/15/2022 9:33	3.9	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:38	7520.04	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:38	0.56	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:38	54.18	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:38	-144.03	mv
MR-AP-MW-23	pH	3/15/2022 9:38	7.61	SU
MR-AP-MW-23	Temperature	3/15/2022 9:38	20.33	C
MR-AP-MW-23	Turbidity	3/15/2022 9:38	4.5	NTU
MR-AP-MW-23	Conductivity	3/15/2022 9:43	7522.25	uS/cm
MR-AP-MW-23	DO	3/15/2022 9:43	0.58	mg/L
MR-AP-MW-23	Depth to Water Detail	3/15/2022 9:43	54.27	ft
MR-AP-MW-23	Oxidation Reduction Potention	3/15/2022 9:43	-141.64	mv
MR-AP-MW-23	pH	3/15/2022 9:43	7.61	SU
MR-AP-MW-23	Temperature	3/15/2022 9:43	20.3	C
MR-AP-MW-23	Turbidity	3/15/2022 9:43	3.7	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23A	Conductivity	3/16/2022 9:51	7874.13	uS/cm
MR-AP-MW-23A	DO	3/16/2022 9:51	0.1	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 9:51	17.39	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 9:51	-124.19	mv
MR-AP-MW-23A	pH	3/16/2022 9:51	7.33	SU
MR-AP-MW-23A	Temperature	3/16/2022 9:51	20.81	C
MR-AP-MW-23A	Turbidity	3/16/2022 9:51	1.49	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 9:56	7806.95	uS/cm
MR-AP-MW-23A	DO	3/16/2022 9:56	0.08	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 9:56	22.79	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 9:56	-129.02	mv
MR-AP-MW-23A	pH	3/16/2022 9:56	7.34	SU
MR-AP-MW-23A	Temperature	3/16/2022 9:56	20.88	C
MR-AP-MW-23A	Turbidity	3/16/2022 9:56	1.57	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:01	7780.27	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:01	0.09	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:01	25.06	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:01	-131.96	mv
MR-AP-MW-23A	pH	3/16/2022 10:01	7.35	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:01	20.95	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:01	1.23	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:06	7767.24	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:06	0.09	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:06	29.61	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:06	-133.82	mv
MR-AP-MW-23A	pH	3/16/2022 10:06	7.37	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:06	20.98	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:06	5.59	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:11	7637.15	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:11	0.62	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:11	36.27	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:11	-126.61	mv
MR-AP-MW-23A	pH	3/16/2022 10:11	7.41	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:11	21.05	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:11	1.31	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:16	7683.14	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:16	1.23	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:16	37.32	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:16	-104.85	mv
MR-AP-MW-23A	pH	3/16/2022 10:16	7.44	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:16	20.84	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:16	1.32	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:21	7708.74	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:21	1.11	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:21	37.74	ft

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:21	-103.28	mv
MR-AP-MW-23A	pH	3/16/2022 10:21	7.45	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:21	20.68	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:21	1.3	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:26	7704.74	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:26	0.98	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:26	38.01	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:26	-106.82	mv
MR-AP-MW-23A	pH	3/16/2022 10:26	7.46	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:26	20.7	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:26	1.02	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:31	7687.75	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:31	0.94	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:31	38.42	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:31	-106.55	mv
MR-AP-MW-23A	pH	3/16/2022 10:31	7.46	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:31	20.67	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:31	5.05	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:36	7690.98	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:36	0.92	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:36	38.7	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:36	-105.51	mv
MR-AP-MW-23A	pH	3/16/2022 10:36	7.46	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:36	20.74	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:36	1.39	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:41	7703.27	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:41	0.96	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:41	38.95	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:41	-104.42	mv
MR-AP-MW-23A	pH	3/16/2022 10:41	7.47	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:41	20.66	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:41	1.23	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:46	7696.53	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:46	0.95	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:46	39.2	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:46	-104.16	mv
MR-AP-MW-23A	pH	3/16/2022 10:46	7.48	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:46	20.58	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:46	1.28	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:51	7689.73	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:51	0.93	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:51	39.33	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:51	-103.44	mv
MR-AP-MW-23A	pH	3/16/2022 10:51	7.48	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:51	20.52	C

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23A	Turbidity	3/16/2022 10:51	1.21	NTU
MR-AP-MW-23A	Conductivity	3/16/2022 10:56	7695.25	uS/cm
MR-AP-MW-23A	DO	3/16/2022 10:56	0.91	mg/L
MR-AP-MW-23A	Depth to Water Detail	3/16/2022 10:56	39.42	ft
MR-AP-MW-23A	Oxidation Reduction Potention	3/16/2022 10:56	-102.4	mv
MR-AP-MW-23A	pH	3/16/2022 10:56	7.48	SU
MR-AP-MW-23A	Temperature	3/16/2022 10:56	20.51	C
MR-AP-MW-23A	Turbidity	3/16/2022 10:56	2.19	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 10:40	7574.18	uS/cm
MR-AP-MW-22D	DO	3/17/2022 10:40	0.18	mg/L
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 10:40	63.81	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 10:40	-263.59	mv
MR-AP-MW-22D	pH	3/17/2022 10:40	7.95	SU
MR-AP-MW-22D	Temperature	3/17/2022 10:40	21.38	C
MR-AP-MW-22D	Turbidity	3/17/2022 10:40	2.05	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 10:45	7573.47	uS/cm
MR-AP-MW-22D	DO	3/17/2022 10:45	0.12	mg/L
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 10:45	69.82	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 10:45	-271.9	mv
MR-AP-MW-22D	pH	3/17/2022 10:45	7.95	SU
MR-AP-MW-22D	Temperature	3/17/2022 10:45	21.76	C
MR-AP-MW-22D	Turbidity	3/17/2022 10:45	0.96	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 10:50	7590.07	uS/cm
MR-AP-MW-22D	DO	3/17/2022 10:50	0.09	mg/L
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 10:50	73.81	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 10:50	-274.2	mv
MR-AP-MW-22D	pH	3/17/2022 10:50	7.95	SU
MR-AP-MW-22D	Temperature	3/17/2022 10:50	21.45	C
MR-AP-MW-22D	Turbidity	3/17/2022 10:50	3.05	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 10:55	7617.06	uS/cm
MR-AP-MW-22D	DO	3/17/2022 10:55	0.25	mg/L
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 10:55	75.46	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 10:55	-270.39	mv
MR-AP-MW-22D	pH	3/17/2022 10:55	7.96	SU
MR-AP-MW-22D	Temperature	3/17/2022 10:55	22.27	C
MR-AP-MW-22D	Turbidity	3/17/2022 10:55	2.12	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 11:00	7659.56	uS/cm
MR-AP-MW-22D	DO	3/17/2022 11:00	0.35	mg/L
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 11:00	75.46	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 11:00	-269.14	mv
MR-AP-MW-22D	pH	3/17/2022 11:00	7.95	SU
MR-AP-MW-22D	Temperature	3/17/2022 11:00	22.44	C
MR-AP-MW-22D	Turbidity	3/17/2022 11:00	1.23	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 11:05	7740.56	uS/cm
MR-AP-MW-22D	DO	3/17/2022 11:05	0.37	mg/L

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 11:05	75.52	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 11:05	-264.12	mv
MR-AP-MW-22D	pH	3/17/2022 11:05	7.95	SU
MR-AP-MW-22D	Temperature	3/17/2022 11:05	22.54	C
MR-AP-MW-22D	Turbidity	3/17/2022 11:05	2.05	NTU
MR-AP-MW-22D	Conductivity	3/17/2022 11:10	7738.13	uS/cm
MR-AP-MW-22D	DO	3/17/2022 11:10	0.39	mg/L
MR-AP-MW-22D	Depth to Water Detail	3/17/2022 11:10	75.56	ft
MR-AP-MW-22D	Oxidation Reduction Potention	3/17/2022 11:10	-258.78	mv
MR-AP-MW-22D	pH	3/17/2022 11:10	7.96	SU
MR-AP-MW-22D	Temperature	3/17/2022 11:10	22.2	C
MR-AP-MW-22D	Turbidity	3/17/2022 11:10	0.99	NTU
MR-AP-MW-22I	Conductivity	3/16/2022 14:35	805.02	uS/cm
MR-AP-MW-22I	DO	3/16/2022 14:35	0.13	mg/L
MR-AP-MW-22I	Depth to Water Detail	3/16/2022 14:35	28.62	ft
MR-AP-MW-22I	Oxidation Reduction Potention	3/16/2022 14:35	-132.46	mv
MR-AP-MW-22I	pH	3/16/2022 14:35	7.77	SU
MR-AP-MW-22I	Temperature	3/16/2022 14:35	21.67	C
MR-AP-MW-22I	Turbidity	3/16/2022 14:35	1.42	NTU
MR-AP-MW-22I	Conductivity	3/16/2022 14:40	689.66	uS/cm
MR-AP-MW-22I	DO	3/16/2022 14:40	0.1	mg/L
MR-AP-MW-22I	Depth to Water Detail	3/16/2022 14:40	28.69	ft
MR-AP-MW-22I	Oxidation Reduction Potention	3/16/2022 14:40	-141.85	mv
MR-AP-MW-22I	pH	3/16/2022 14:40	7.85	SU
MR-AP-MW-22I	Temperature	3/16/2022 14:40	21.71	C
MR-AP-MW-22I	Turbidity	3/16/2022 14:40	2.27	NTU
MR-AP-MW-22I	Conductivity	3/16/2022 14:45	646.13	uS/cm
MR-AP-MW-22I	DO	3/16/2022 14:45	0.08	mg/L
MR-AP-MW-22I	Depth to Water Detail	3/16/2022 14:45	28.74	ft
MR-AP-MW-22I	Oxidation Reduction Potention	3/16/2022 14:45	-146.44	mv
MR-AP-MW-22I	pH	3/16/2022 14:45	7.9	SU
MR-AP-MW-22I	Temperature	3/16/2022 14:45	21.74	C
MR-AP-MW-22I	Turbidity	3/16/2022 14:45	1.48	NTU
MR-AP-MW-22I	Conductivity	3/16/2022 14:50	637.55	uS/cm
MR-AP-MW-22I	DO	3/16/2022 14:50	0.07	mg/L
MR-AP-MW-22I	Depth to Water Detail	3/16/2022 14:50	28.79	ft
MR-AP-MW-22I	Oxidation Reduction Potention	3/16/2022 14:50	-148.79	mv
MR-AP-MW-22I	pH	3/16/2022 14:50	7.92	SU
MR-AP-MW-22I	Temperature	3/16/2022 14:50	21.74	C
MR-AP-MW-22I	Turbidity	3/16/2022 14:50	2.52	NTU
MR-AP-MW-22I	Conductivity	3/16/2022 14:55	638.79	uS/cm
MR-AP-MW-22I	DO	3/16/2022 14:55	0.07	mg/L
MR-AP-MW-22I	Depth to Water Detail	3/16/2022 14:55	28.81	ft
MR-AP-MW-22I	Oxidation Reduction Potention	3/16/2022 14:55	-150.08	mv
MR-AP-MW-22I	pH	3/16/2022 14:55	7.94	SU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22I	Temperature	3/16/2022 14:55	21.58	C
MR-AP-MW-22I	Turbidity	3/16/2022 14:55	1.85	NTU

Groundwater Field Parameters
Plant Miller Ash Pond

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22S	Conductivity	3/16/2022 13:09	1128.64	uS/cm
MR-AP-MW-22S	DO	3/16/2022 13:09	0.1	mg/L
MR-AP-MW-22S	Depth to Water Detail	3/16/2022 13:09	14.26	ft
MR-AP-MW-22S	Oxidation Reduction Potention	3/16/2022 13:09	-70.39	mv
MR-AP-MW-22S	pH	3/16/2022 13:09	7.02	SU
MR-AP-MW-22S	Temperature	3/16/2022 13:09	21.2	C
MR-AP-MW-22S	Turbidity	3/16/2022 13:09	0.93	NTU
MR-AP-MW-22S	Conductivity	3/16/2022 13:14	1105.07	uS/cm
MR-AP-MW-22S	DO	3/16/2022 13:14	0.08	mg/L
MR-AP-MW-22S	Depth to Water Detail	3/16/2022 13:14	14.31	ft
MR-AP-MW-22S	Oxidation Reduction Potention	3/16/2022 13:14	-68.56	mv
MR-AP-MW-22S	pH	3/16/2022 13:14	6.98	SU
MR-AP-MW-22S	Temperature	3/16/2022 13:14	21.27	C
MR-AP-MW-22S	Turbidity	3/16/2022 13:14	1.34	NTU
MR-AP-MW-22S	Conductivity	3/16/2022 13:19	1091.31	uS/cm
MR-AP-MW-22S	DO	3/16/2022 13:19	0.07	mg/L
MR-AP-MW-22S	Depth to Water Detail	3/16/2022 13:19	14.34	ft
MR-AP-MW-22S	Oxidation Reduction Potention	3/16/2022 13:19	-66.91	mv
MR-AP-MW-22S	pH	3/16/2022 13:19	6.94	SU
MR-AP-MW-22S	Temperature	3/16/2022 13:19	21.34	C
MR-AP-MW-22S	Turbidity	3/16/2022 13:19	1.16	NTU
MR-AP-MW-22S	Conductivity	3/16/2022 13:24	1078.5	uS/cm
MR-AP-MW-22S	DO	3/16/2022 13:24	0.07	mg/L
MR-AP-MW-22S	Depth to Water Detail	3/16/2022 13:24	14.34	ft
MR-AP-MW-22S	Oxidation Reduction Potention	3/16/2022 13:24	-65.98	mv
MR-AP-MW-22S	pH	3/16/2022 13:24	6.92	SU
MR-AP-MW-22S	Temperature	3/16/2022 13:24	21.34	C
MR-AP-MW-22S	Turbidity	3/16/2022 13:24	0.88	NTU
MR-AP-MW-22S	Conductivity	3/16/2022 13:29	1075.17	uS/cm
MR-AP-MW-22S	DO	3/16/2022 13:29	0.07	mg/L
MR-AP-MW-22S	Depth to Water Detail	3/16/2022 13:29	14.34	ft
MR-AP-MW-22S	Oxidation Reduction Potention	3/16/2022 13:29	-66.46	mv
MR-AP-MW-22S	pH	3/16/2022 13:29	6.92	SU
MR-AP-MW-22S	Temperature	3/16/2022 13:29	21.28	C
MR-AP-MW-22S	Turbidity	3/16/2022 13:29	0.87	NTU

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
205-664-6001

Analytical Report

Alabama Power

Sample Group : WMWMILAP_1354

Project/Site : Miller Ash Pond
Quinton, AL 35130

For : Southern Company Services
3535 Colonade Parkway
Birmingham, AL 35243

Attention : Dustin Brooks & Greg Dyer

Released By : Laura Midkiff
lbmidkif@southernco.com
(205) 664-6197

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
(205) 664-6001

April 26, 2022

Dear Dustin Brooks,

Enclosed are the analytical results for sample(s) received by the laboratory between March 10, 2022 and March 17, 2022. All results reported herein conform to the laboratory's most current Quality Assurance Manual. Results marked with an asterisk conform to the most current applicable TNI/NELAC requirements. Exceptions will be noted in the body of the report.

Laboratory certification ID: E571114
Issued By: State of Florida, Department of Health
Expiration: June 30, 2022

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

Sincerely,

Quality Control: Brooke Caton

Digitally signed by Brooke Caton
Date: 2022.04.28 13:37:59 -05'00'

Supervision: T Durant Maske

Digitally signed by T Durant Maske
DN: cn=T Durant Maske gn=T Durant Maske c=US United States l=US United States e=tdmaske@southernco.com
Reason: I am approving this document
Location:
Date: 2022-04-28 18:49-05:00

REPORT OF LABORATORY ANALYSIS

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Total Metals ICP

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720685	WMWMILAP_1354
BC05058	720685	WMWMILAP_1354
BC05059	720685	WMWMILAP_1354
BC05060	720685	WMWMILAP_1354
BC05061	720685	WMWMILAP_1354
BC05062	720685	WMWMILAP_1354
BC05063	720685	WMWMILAP_1354
BC05064	720685	WMWMILAP_1354
BC05065	720685	WMWMILAP_1354
BC05066	720685	WMWMILAP_1354
BC05067	720686	WMWMILAP_1354
BC05068	720686	WMWMILAP_1354
BC05069	720686	WMWMILAP_1354
BC05070	720686	WMWMILAP_1354
BC05071	720686	WMWMILAP_1354
BC05072	720686	WMWMILAP_1354
BC05073	720686	WMWMILAP_1354
BC05074	720686	WMWMILAP_1354
BC05075	720686	WMWMILAP_1354
BC05076	720686	WMWMILAP_1354
BC05077	720687	WMWMILAP_1354
BC05459	720687	WMWMILAP_1354
BC05460	720687	WMWMILAP_1354
BC05461	720687	WMWMILAP_1354
BC05462	720687	WMWMILAP_1354
BC05463	720687	WMWMILAP_1354
BC05464	720687	WMWMILAP_1354
BC05465	720687	WMWMILAP_1354
BC05466	720687	WMWMILAP_1354
BC05467	720687	WMWMILAP_1354
BC05468	720923	WMWMILAP_1354

BC05469	720923	WMWMILAP_1354
BC05470	720923	WMWMILAP_1354
BC05676	721930	WMWMILAP_1354
BC05677	721930	WMWMILAP_1354
BC05678	721930	WMWMILAP_1354
BC05679	721930	WMWMILAP_1354
BC05680	721930	WMWMILAP_1354
BC05681	721930	WMWMILAP_1354
BC05682	721930	WMWMILAP_1354
BC05683	721930	WMWMILAP_1354
BC05684	721930	WMWMILAP_1354
BC05685	721930	WMWMILAP_1354
BC05686	721931	WMWMILAP_1354
BC05687	721931	WMWMILAP_1354
BC05688	721931	WMWMILAP_1354
BC05689	721931	WMWMILAP_1354
BC05690	721931	WMWMILAP_1354
BC05691	721931	WMWMILAP_1354
BC05692	721931	WMWMILAP_1354
BC05693	721931	WMWMILAP_1354
BC05694	721931	WMWMILAP_1354
BC05695	721931	WMWMILAP_1354
BC05696	721932	WMWMILAP_1354

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 all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed, and all criteria were met.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were analyzed, and all criteria were met.
- 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.
- All calibration curve requirements were within acceptance criteria.
- All sample internal standard criteria were met.

- The spectral interference check associated with EPA 200.7 was analyzed, and all acceptance criteria were met.
- 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:
    - BC05066 Calcium, Iron, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
    - BC05470 Calcium, Iron, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
    - BC05077 Sodium MS/MSD spike level was <30% of the sample concentration.
    - BC05685 Calcium, Magnesium, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
    - BC05695 Sodium MS/MSD spike level was <30% of the sample concentration.
    - Bc05696 Calcium & Sodium MS/MSD spike levels were <30% of the sample concentrations.
- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC05057	Calcium	10.15
BC05058	Calcium, Sodium	10.15
BC05059	Sodium	10.15
BC05060	Calcium, Iron, Sodium	10.15
BC05061	Calcium, Sodium	10.15
BC05063	Calcium, Iron	10.15
BC05064	Calcium, Iron, Sodium	10.15
BC05065	Calcium, Iron, Sodium	10.15
BC05066	Calcium, Iron, Sodium, Magnesium	10.15
BC05067	Calcium, Magnesium	10.15
BC05068	Calcium, Magnesium	10.15
BC05069	Calcium, Sodium	10.15
BC05070	Iron	10.15

BC05071	Iron	10.15
BC05073	Calcium, Sodium	10.15
BC05074	Calcium, Iron, Magnesium	10.15
BC05075	Sodium	101.5
BC05077	Sodium	10.15
BC05459	Calcium, Sodium	10.15
BC05460	Calcium, Iron, Sodium	10.15
BC05461	Calcium, Iron, Sodium	10.15
BC05462	Sodium	10.15
BC05463	Calcium	10.15
BC05464	Calcium, Sodium, Magnesium	10.15
BC05465	Calcium, Sodium, Magnesium	10.15
BC05466	Calcium, Sodium	10.15
BC05467	Calcium	10.15
BC05469	Calcium, Magnesium	10.15
BC05469	Sodium	101.5
BC05470	Calcium, Iron, Sodium	10.15
BC05676	Calcium, Iron, Sodium	20.3
BC05677	Calcium, Sodium	20.3
BC05678	Sodium	20.3
BC05680	Calcium, Sodium	20.3
BC05681	Calcium, Iron, Sodium, Magnesium	101.5
BC05682	Calcium, Sodium	20.3
BC05683	Calcium, Sodium	20.3
BC05684	Sodium	20.3
BC05685	Calcium, Magnesium, Sodium	20.3
BC05686	Calcium, Iron, Sodium, Magnesium	10.15
BC05688	Sodium	50.75
BC05689	Calcium, Magnesium, Sodium	10.15
BC05690	Calcium, Magnesium, Sodium	50.75
BC05692	Calcium, Magnesium, Sodium	50.75
BC05693	Calcium, Magnesium, Sodium	10.15
BC05694	Calcium, Magnesium, Sodium	10.15
BC05695	Sodium	10.15
BC05696	Calcium, Sodium	50.75

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

Case Narrative

Alabama Power

Dissolved Metals ICP

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720645	WMWMILAP_1354
BC05058	720645	WMWMILAP_1354
BC05059	720645	WMWMILAP_1354
BC05060	720645	WMWMILAP_1354
BC05061	720645	WMWMILAP_1354
BC05063	720645	WMWMILAP_1354
BC05064	720645	WMWMILAP_1354
BC05065	720645	WMWMILAP_1354
BC05066	720645	WMWMILAP_1354
BC05067	720645	WMWMILAP_1354
BC05068	720646	WMWMILAP_1354
BC05069	720646	WMWMILAP_1354
BC05070	720646	WMWMILAP_1354
BC05071	720646	WMWMILAP_1354
BC05072	720646	WMWMILAP_1354
BC05073	720646	WMWMILAP_1354
BC05074	720646	WMWMILAP_1354
BC05075	720646	WMWMILAP_1354
BC05077	720646	WMWMILAP_1354
BC05459	720948	WMWMILAP_1354
BC05460	720948	WMWMILAP_1354
BC05461	720948	WMWMILAP_1354
BC05462	720948	WMWMILAP_1354
BC05463	720948	WMWMILAP_1354
BC05464	720948	WMWMILAP_1354
BC05465	720948	WMWMILAP_1354
BC05466	720948	WMWMILAP_1354
BC05467	720948	WMWMILAP_1354
BC05469	720948	WMWMILAP_1354
BC05470	720949	WMWMILAP_1354
BC05676	721890	WMWMILAP_1354

BC05677	721890	WMWMILAP_1354
BC05678	721890	WMWMILAP_1354
BC05680	721890	WMWMILAP_1354
BC05681	721890	WMWMILAP_1354
BC05682	721890	WMWMILAP_1354
BC05683	721890	WMWMILAP_1354
BC05684	721890	WMWMILAP_1354
BC05685	721890	WMWMILAP_1354
BC05686	721890	WMWMILAP_1354
BC05688	721891	WMWMILAP_1354
BC05689	721891	WMWMILAP_1354
BC05690	721891	WMWMILAP_1354
BC05692	721891	WMWMILAP_1354
BC05693	721891	WMWMILAP_1354
BC05694	721891	WMWMILAP_1354
BC05695	721891	WMWMILAP_1354
BC05696	721891	WMWMILAP_1354

4. All of the above samples were analyzed and prepared by EPA 200.7 for dissolved analysis.
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 all criteria were met.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were analyzed, and all criteria were met.
- Due to no filtered method blank (MB) or laboratory control sample (LCS) submitted with the sample set, an unfiltered MB and LCS were analyzed with the samples in each batch.
- All laboratory control sample criteria were met.
- The method blank associated with each batch passed all acceptance criteria for all requested analytes.
- All calibration curve requirements were within acceptance criteria.
- All sample internal standard criteria were met.
- The spectral interference check associated with EPA 200.7 was analyzed and all acceptance criteria were met.
- 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 analyzed with each ICP batch. All acceptance criteria for accuracy were met except for the following:
  - BC05067 Calcium, Iron, & Magnesium MS/MSD spike levels were <30% of the sample concentrations.
  - BC05470 Calcium & Iron MS/MSD spike levels were <30% of the sample concentrations.
  - BC05077 Sodium MS/MSD spike level was <30% of the sample concentration.
  - BC05469 Calcium, Magnesium, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
  - BC05696 Calcium & Sodium MS/MSD spike levels were <30% of the sample concentrations.
- A matrix spike and matrix spike duplicate were analyzed with each ICP batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC05057	Calcium	10.15
BC05058	Calcium, Sodium	10.15
BC05059	Sodium	10.15
BC05060	Calcium, Iron, Sodium	10.15
BC05061	Calcium, Sodium	10.15
BC05063	Calcium	10.15
BC05064	Calcium, Iron, Sodium	10.15
BC05065	Calcium, Iron, Sodium	10.15
BC05066	Calcium, Iron, Sodium, Magnesium	10.15
BC05067	Calcium, Magnesium	10.15
BC05068	Calcium, Magnesium	10.15
BC05069	Calcium, Sodium	10.15
BC05070	Calcium, Iron	10.15
BC05071	Calcium, Iron	10.15
BC05073	Calcium, Sodium	10.15
BC05074	Calcium, Iron, Magnesium	10.15
BC05075	Sodium	101.5
BC05077	Sodium	10.15
BC05459	Calcium, Sodium	10.15
BC05460	Calcium, Iron, Sodium	10.15
BC05461	Calcium, Iron, Sodium	10.15

BC05462	Sodium	10.15
BC05463	Calcium	10.15
BC05464	Calcium, Magnesium, Sodium	10.15
BC05465	Calcium, Sodium	10.15
BC05466	Calcium	10.15
BC05467	Calcium	10.15
BC05469	Calcium, Magnesium, Sodium	50.75
BC05470	Calcium, Iron, Sodium	10.15
BC05676	Calcium, Iron, Sodium	20.3
BC05677	Calcium, Sodium	20.3
BC05678	Sodium	20.3
BC05680	Calcium, Sodium	20.3
BC05681	Calcium, Iron, Sodium, Magnesium	101.5
BC05682	Calcium, Sodium	20.3
BC05683	Calcium, Sodium	20.3
BC05684	Sodium	20.3
BC05685	Calcium, Magnesium, Sodium	20.3
BC05686	Calcium, Iron, Sodium, Magnesium	20.3
BC05688	Sodium	101.5
BC05689	Calcium, Magnesium, Sodium	10.15
BC05690	Calcium, Magnesium, Sodium	50.75
BC05692	Calcium, Magnesium, Sodium	50.75
BC05693	Calcium, Magnesium, Sodium	10.15
BC05694	Calcium, Magnesium, Sodium	10.15
BC05695	Sodium	101.5
BC05696	Calcium, Sodium	50.75

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

Case Narrative

Alabama Power

Total Metals ICPMS

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	721361	WMWMILAP_1354
BC05058	721361	WMWMILAP_1354
BC05059	721361	WMWMILAP_1354
BC05060	721361	WMWMILAP_1354
BC05061	721361	WMWMILAP_1354
BC05062	721361	WMWMILAP_1354
BC05063	721361	WMWMILAP_1354
BC05064	721361	WMWMILAP_1354
BC05065	721361	WMWMILAP_1354
BC05066	721361	WMWMILAP_1354
BC05067	721362	WMWMILAP_1354
BC05068	721362	WMWMILAP_1354
BC05069	721362	WMWMILAP_1354
BC05070	721362	WMWMILAP_1354
BC05071	721362	WMWMILAP_1354
BC05072	721362	WMWMILAP_1354
BC05073	721362	WMWMILAP_1354
BC05074	721362	WMWMILAP_1354
BC05075	721362	WMWMILAP_1354
BC05076	721362	WMWMILAP_1354
BC05077	721363	WMWMILAP_1354
BC05459	721233	WMWMILAP_1354
BC05460	721233	WMWMILAP_1354
BC05461	721233	WMWMILAP_1354
BC05462	721233	WMWMILAP_1354
BC05463	721233	WMWMILAP_1354
BC05464	721233	WMWMILAP_1354
BC05465	721233	WMWMILAP_1354
BC05466	721233	WMWMILAP_1354
BC05467	721233	WMWMILAP_1354
BC05468	721233	WMWMILAP_1354

BC05469	721234	WMWMILAP_1354
BC05470	721234	WMWMILAP_1354
BC05676	721827	WMWMILAP_1354
BC05677	721827	WMWMILAP_1354
BC05678	721827	WMWMILAP_1354
BC05679	721827	WMWMILAP_1354
BC05680	721827	WMWMILAP_1354
BC05681	721827	WMWMILAP_1354
BC05682	721827	WMWMILAP_1354
BC05683	721827	WMWMILAP_1354
BC05684	721827	WMWMILAP_1354
BC05685	721827	WMWMILAP_1354
BC05686	721828	WMWMILAP_1354
BC05687	721828	WMWMILAP_1354
BC05688	721828	WMWMILAP_1354
BC05689	721828	WMWMILAP_1354
BC05690	721828	WMWMILAP_1354
BC05691	721828	WMWMILAP_1354
BC05692	721828	WMWMILAP_1354
BC05693	721828	WMWMILAP_1354
BC05694	721828	WMWMILAP_1354
BC05695	721828	WMWMILAP_1354
BC05696	721829	WMWMILAP_1354

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.
- 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 ICPMS batch. All acceptance criteria for accuracy were met except for the following:
  - BC05077 Selenium MS/MSD recoveries were outside of the specification limits.
  - BC05696 Barium MS/MSD spike level was <30% of the sample concentration.
- A matrix spike and matrix spike duplicate were digested and analyzed with each ICPMS batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC05060	Manganese	5.075
BC05074	Manganese	5.075
BC05459	Manganese	5.075
BC05460	Manganese	5.075
BC05461	Manganese	5.075
BC05463	Manganese	5.075
BC05464	Manganese	5.075
BC05465	Manganese	5.075
BC05469	Barium	92.365
BC05676	Manganese	10.15
BC05681	Manganese	5.075
BC05692	Barium	10.15
BC05696	Barium	5.075

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

Case Narrative

Alabama Power

Dissolved Metals ICPMS

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	721424	WMWMILAP_1354
BC05058	721424	WMWMILAP_1354
BC05059	721424	WMWMILAP_1354
BC05060	721424	WMWMILAP_1354
BC05061	721424	WMWMILAP_1354
BC05063	721424	WMWMILAP_1354
BC05064	721424	WMWMILAP_1354
BC05065	721424	WMWMILAP_1354
BC05066	721424	WMWMILAP_1354
BC05067	721424	WMWMILAP_1354
BC05068	721425	WMWMILAP_1354
BC05069	721425	WMWMILAP_1354
BC05070	721425	WMWMILAP_1354
BC05071	721425	WMWMILAP_1354
BC05072	721425	WMWMILAP_1354
BC05073	721425	WMWMILAP_1354
BC05074	721425	WMWMILAP_1354
BC05075	721425	WMWMILAP_1354
BC05077	721425	WMWMILAP_1354
BC05459	721173	WMWMILAP_1354
BC05460	721173	WMWMILAP_1354
BC05461	721173	WMWMILAP_1354
BC05462	721173	WMWMILAP_1354
BC05463	721173	WMWMILAP_1354
BC05464	721173	WMWMILAP_1354
BC05465	721173	WMWMILAP_1354
BC05466	721173	WMWMILAP_1354
BC05467	721173	WMWMILAP_1354
BC05469	721173	WMWMILAP_1354
BC05470	721174	WMWMILAP_1354
BC05676	721475	WMWMILAP_1354

BC05677	721475	WMWMILAP_1354
BC05678	721475	WMWMILAP_1354
BC05680	721475	WMWMILAP_1354
BC05681	721475	WMWMILAP_1354
BC05682	721475	WMWMILAP_1354
BC05683	721475	WMWMILAP_1354
BC05684	721475	WMWMILAP_1354
BC05685	721475	WMWMILAP_1354
BC05686	721475	WMWMILAP_1354
BC05688	721476	WMWMILAP_1354
BC05689	721476	WMWMILAP_1354
BC05690	721476	WMWMILAP_1354
BC05692	721476	WMWMILAP_1354
BC05693	721476	WMWMILAP_1354
BC05694	721476	WMWMILAP_1354
BC05695	721476	WMWMILAP_1354
BC05696	721476	WMWMILAP_1354

4. All of the above samples were analyzed and prepared by EPA 200.8 for dissolved analysis.
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.
- Due to no filtered method blank (MB) or laboratory control sample (LCS) submitted with the sample set, an unfiltered MB and LCS were analyzed with the samples in each batch.
- All laboratory control sample criteria were met.
- The method blank associated with each preparation 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.
- 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 analyzed with each ICPMS batch. All acceptance criteria for accuracy were met except for the following:
    - BC05077 Selenium MS/MSD recoveries were outside of the specification limits.
    - BC05067 Manganese MS/MSD spike level was <30% of the sample concentration
    - BC05469 Barium MS/MSD spike level was <30% of the sample concentration.
    - BC05696 Barium MS/MSD spike level was <30% of the sample concentration.
- A matrix spike and matrix spike duplicate were analyzed with each ICPMS batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC05060	Manganese	5.075
BC05074	Manganese	5.075
BC05459	Manganese	5.075
BC05460	Manganese	5.075
BC05461	Manganese	5.075
BC05463	Manganese	5.075
BC05464	Manganese	5.075
BC05465	Manganese	5.075
BC05469	Barium	92.365
BC05676	Manganese	10.15
BC05681	Manganese	5.075
BC05692	Barium	10.15
BC05696	Barium	5.075

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

Case Narrative

Alabama Power

Mercury

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720423	WMWMILAP_1354
BC05058	720423	WMWMILAP_1354
BC05059	720423	WMWMILAP_1354
BC05060	720423	WMWMILAP_1354
BC05061	720423	WMWMILAP_1354
BC05062	720423	WMWMILAP_1354
BC05063	720423	WMWMILAP_1354
BC05064	720423	WMWMILAP_1354
BC05065	720423	WMWMILAP_1354
BC05066	720423	WMWMILAP_1354
BC05067	720424	WMWMILAP_1354
BC05068	720424	WMWMILAP_1354
BC05069	720424	WMWMILAP_1354
BC05070	720424	WMWMILAP_1354
BC05071	720424	WMWMILAP_1354
BC05072	720424	WMWMILAP_1354
BC05073	720424	WMWMILAP_1354
BC05074	720424	WMWMILAP_1354
BC05075	720424	WMWMILAP_1354
BC05076	720424	WMWMILAP_1354
BC05077	720995	WMWMILAP_1354
BC05459	720995	WMWMILAP_1354
BC05460	720995	WMWMILAP_1354
BC05461	720995	WMWMILAP_1354
BC05462	720995	WMWMILAP_1354
BC05463	720995	WMWMILAP_1354
BC05464	720995	WMWMILAP_1354
BC05465	720995	WMWMILAP_1354
BC05466	720995	WMWMILAP_1354
BC05467	720995	WMWMILAP_1354
BC05468	720996	WMWMILAP_1354

BC05469	720996	WMWMILAP_1354
BC05470	720996	WMWMILAP_1354
BC05676	720996	WMWMILAP_1354
BC05677	720996	WMWMILAP_1354
BC05678	720996	WMWMILAP_1354
BC05679	720996	WMWMILAP_1354
BC05680	720996	WMWMILAP_1354
BC05681	720996	WMWMILAP_1354
BC05682	720996	WMWMILAP_1354
BC05683	720997	WMWMILAP_1354
BC05684	720997	WMWMILAP_1354
BC05685	720997	WMWMILAP_1354
BC05686	720997	WMWMILAP_1354
BC05687	720997	WMWMILAP_1354
BC05688	720997	WMWMILAP_1354
BC05689	720997	WMWMILAP_1354
BC05690	720997	WMWMILAP_1354
BC05691	720997	WMWMILAP_1354
BC05692	720997	WMWMILAP_1354
BC05693	720998	WMWMILAP_1354
BC05694	720998	WMWMILAP_1354
BC05695	720998	WMWMILAP_1354
BC05696	720998	WMWMILAP_1354

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 analytical batch. All acceptance criteria for accuracy were met.
- A matrix spike and matrix spike duplicate were digested and analyzed with each analytical batch. All acceptance criteria for precision were met.

7. All samples were analyzed without a dilution.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Total Dissolved Solids

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720530	WMWMILAP_1354
BC05058	720530	WMWMILAP_1354
BC05059	720530	WMWMILAP_1354
BC05060	720530	WMWMILAP_1354
BC05061	720530	WMWMILAP_1354
BC05062	720530	WMWMILAP_1354
BC05063	720530	WMWMILAP_1354
BC05064	720530	WMWMILAP_1354
BC05065	720530	WMWMILAP_1354
BC05066	720530	WMWMILAP_1354
BC05067	720531	WMWMILAP_1354
BC05068	720531	WMWMILAP_1354
BC05069	720531	WMWMILAP_1354
BC05070	720531	WMWMILAP_1354
BC05071	720531	WMWMILAP_1354
BC05072	720531	WMWMILAP_1354
BC05073	720842	WMWMILAP_1354
BC05074	720842	WMWMILAP_1354
BC05075	720531	WMWMILAP_1354
BC05076	720531	WMWMILAP_1354
BC05077	720842	WMWMILAP_1354
BC05459	720842	WMWMILAP_1354
BC05460	720842	WMWMILAP_1354
BC05461	720843	WMWMILAP_1354
BC05462	720843	WMWMILAP_1354
BC05463	720843	WMWMILAP_1354
BC05464	720843	WMWMILAP_1354
BC05465	720843	WMWMILAP_1354
BC05466	720843	WMWMILAP_1354
BC05467	720843	WMWMILAP_1354
BC05468	720843	WMWMILAP_1354

BC05469	720843	WMWMILAP_1354
BC05470	720843	WMWMILAP_1354
BC05676	721047	WMWMILAP_1354
BC05677	721048	WMWMILAP_1354
BC05678	721048	WMWMILAP_1354
BC05679	721048	WMWMILAP_1354
BC05680	721048	WMWMILAP_1354
BC05681	721566	WMWMILAP_1354
BC05682	721566	WMWMILAP_1354
BC05683	721566	WMWMILAP_1354
BC05684	721566	WMWMILAP_1354
BC05685	721048	WMWMILAP_1354
BC05686	721048	WMWMILAP_1354
BC05687	721566	WMWMILAP_1354
BC05688	721566	WMWMILAP_1354
BC05689	721566	WMWMILAP_1354
BC05690	721566	WMWMILAP_1354
BC05691	721566	WMWMILAP_1354
BC05692	721048	WMWMILAP_1354
BC05693	721048	WMWMILAP_1354
BC05694	721048	WMWMILAP_1354
BC05695	721048	WMWMILAP_1354
BC05696	721566	WMWMILAP_1354

4. All of the above samples were prepared and analyzed by Standard Method 2540C.
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:

- 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, and RPD was ≤10%.
- 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:
    - BC05062
    - BC05076
    - BC05468
    - BC05679
    - BC05687
    - BC05691

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Anions

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720973, 721463, & 721637	WMWMILAP_1354
BC05058	720973, 721463, & 721637	WMWMILAP_1354
BC05059	720973, 721463, & 721637	WMWMILAP_1354
BC05060	720973, 721463, & 721637	WMWMILAP_1354
BC05061	720973, 721463, & 721637	WMWMILAP_1354
BC05062	720973, 721463, & 721637	WMWMILAP_1354
BC05063	720973, 721463, & 721637	WMWMILAP_1354
BC05064	720973, 721463, & 721637	WMWMILAP_1354
BC05065	720973, 721463, & 721637	WMWMILAP_1354
BC05066	720973, 721463, & 721637	WMWMILAP_1354
BC05067	720974, 721464, & 721638	WMWMILAP_1354
BC05068	720974, 721464, & 721638	WMWMILAP_1354
BC05069	720974, 721464, & 721638	WMWMILAP_1354
BC05070	720974, 721464, & 721638	WMWMILAP_1354
BC05071	720974, 721464, & 721638	WMWMILAP_1354
BC05072	720974, 721464, & 721638	WMWMILAP_1354
BC05073	720974, 721464, & 721638	WMWMILAP_1354
BC05074	720974, 721464, & 721638	WMWMILAP_1354
BC05075	720974, 721464, & 721638	WMWMILAP_1354
BC05076	720974, 721464, & 721638	WMWMILAP_1354
BC05077	720975, 721465, & 721689	WMWMILAP_1354
BC05459	721283, 721465, & 721689	WMWMILAP_1354
BC05460	721283, 721465, & 721689	WMWMILAP_1354
BC05461	721283, 721465, & 721689	WMWMILAP_1354
BC05462	721283, 721465, & 721689	WMWMILAP_1354
BC05463	721283, 721465, & 721689	WMWMILAP_1354
BC05464	721283, 721465, & 721689	WMWMILAP_1354
BC05465	721283, 721465, & 721689	WMWMILAP_1354
BC05466	721283, 721465, & 721689	WMWMILAP_1354
BC05467	721283, 721465, & 721689	WMWMILAP_1354
BC05468	721283, 721466, & 721690	WMWMILAP_1354

BC05469	721284, 721466, & 721690	WMWMILAP_1354
BC05470	721284, 721466, & 721690	WMWMILAP_1354
BC05676	721284, 721466, & 721690	WMWMILAP_1354
BC05677	721284, 721466, & 721690	WMWMILAP_1354
BC05678	721284, 721466, & 721690	WMWMILAP_1354
BC05679	721284, 721466, & 721690	WMWMILAP_1354
BC05680	721284, 721466, & 721690	WMWMILAP_1354
BC05681	721284, 721466, & 721690	WMWMILAP_1354
BC05682	721284, 721466, & 721690	WMWMILAP_1354
BC05683	721284, 721467, & 721691	WMWMILAP_1354
BC05684	721285, 721467, & 721691	WMWMILAP_1354
BC05685	721285, 721467, & 721691	WMWMILAP_1354
BC05686	721285, 721467, & 721691	WMWMILAP_1354
BC05687	721285, 721467, & 721691	WMWMILAP_1354
BC05688	721285, 721467, & 721691	WMWMILAP_1354
BC05689	721285, 721467, & 721691	WMWMILAP_1354
BC05690	721285, 721467, & 721691	WMWMILAP_1354
BC05691	721285, 721467, & 721691	WMWMILAP_1354
BC05692	721285, 721467, & 721691	WMWMILAP_1354
BC05693	721285, 721468, & 721692	WMWMILAP_1354
BC05694	721286, 721468, & 721692	WMWMILAP_1354
BC05695	721286, 721468, & 721692	WMWMILAP_1354
BC05696	721286, 721468, & 721692	WMWMILAP_1354

4. All of the above samples analyzed and prepared by SM4500 Cl E, SM4500 F G, and SM4500 SO4 E.
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 calibration met criteria for the requested analyte.
- Prior to sample analysis, an initial calibration verification (ICV), and all criteria were met.
- Prior to sample analysis, an initial calibration blank (ICB) was analyzed and was below half the limit of quantitation 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.

- 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 analyzed with each batch. All acceptance criteria for accuracy were met.
- A matrix spike and matrix spike duplicate were analyzed with each batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC05057	Sulfate	16
BC05058	Sulfate	2
BC05059	Sulfate	8
BC05060	Chloride & Sulfate	2 & 16
BC05061	Chloride & Sulfate	4 & 25
BC05064	Chloride & Sulfate	2 & 25
BC05065	Chloride & Sulfate	2 & 25
BC05066	Chloride & Sulfate	4 & 50
BC05067	Sulfate	25
BC05068	Sulfate	20
BC05069	Sulfate	32
BC05070	Sulfate	8
BC05071	Sulfate	8
BC05072	Sulfate	2
BC05073	Chloride & Sulfate	4 & 16
BC05074	Sulfate	50
BC05075	Chloride & Sulfate	10 & 5
BC05077	Chloride & Sulfate	16 & 10
BC05459	Chloride & Sulfate	2 & 32
BC05460	Chloride & Sulfate	2 & 32

BC05461	Chloride & Sulfate	2 & 32
BC05462	Chloride & Sulfate	3 & 2
BC05463	Sulfate	25
BC05464	Chloride & Sulfate	2 & 32
BC05465	Chloride & Sulfate	2 & 32
BC05466	Sulfate	2
BC05467	Sulfate	10
BC05469	Chloride	200
BC05470	Sulfate	25
BC05676	Chloride & Sulfate	3 & 32
BC05677	Chloride & Sulfate	3 & 16
BC05678	Chloride & Sulfate	5 & 16
BC05680	Sulfate	20
BC05681	Sulfate	50
BC05682	Sulfate	40
BC05683	Sulfate	8
BC05685	Chloride & Sulfate	10 & 32
BC05686	Sulfate	25
BC05688	Chloride & Sulfate	40 & 25
BC05689	Sulfate	20
BC05690	Sulfate	50
BC05692	Chloride & Sulfate	200 & 3
BC05693	Chloride & Sulfate	20 & 8
BC05694	Chloride & Sulfate	10 & 8
BC05695	Chloride	5
BC05696	Chloride & Sulfate	200 & 8

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

Case Narrative

Alkalinity

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720640 & 720641	WMWMILAP_1354
BC05058	720640 & 720641	WMWMILAP_1354
BC05059	720640 & 720641	WMWMILAP_1354
BC05060	720640 & 720641	WMWMILAP_1354
BC05061	720640 & 720641	WMWMILAP_1354
BC05063	720640 & 720641	WMWMILAP_1354
BC05064	720640 & 720641	WMWMILAP_1354
BC05065	720640 & 720641	WMWMILAP_1354
BC05066	720640 & 720641	WMWMILAP_1354
BC05067	720640 & 720641	WMWMILAP_1354
BC05068	720640 & 720641	WMWMILAP_1354
BC05069	720640 & 720641	WMWMILAP_1354
BC05070	720640 & 720641	WMWMILAP_1354
BC05071	720640 & 720641	WMWMILAP_1354
BC05072	720640 & 720641	WMWMILAP_1354
BC05073	720640 & 720641	WMWMILAP_1354
BC05074	720640 & 720641	WMWMILAP_1354
BC05075	720640 & 720641	WMWMILAP_1354
BC05077	720640 & 720641	WMWMILAP_1354
BC05459	721639 & 721640	WMWMILAP_1354
BC05460	721639 & 721640	WMWMILAP_1354
BC05461	721639 & 721640	WMWMILAP_1354
BC05462	721639 & 721640	WMWMILAP_1354
BC05463	721639 & 721640	WMWMILAP_1354
BC05464	721639 & 721640	WMWMILAP_1354
BC05465	721843 & 721844	WMWMILAP_1354
BC05466	721843 & 721844	WMWMILAP_1354
BC05467	721843 & 721844	WMWMILAP_1354
BC05469	721843 & 721844	WMWMILAP_1354
BC05470	721843 & 721844	WMWMILAP_1354
BC05676	721843 & 721844	WMWMILAP_1354

BC05677	721843 & 721844	WMWMILAP_1354
BC05678	721843 & 721844	WMWMILAP_1354
BC05680	721843 & 721844	WMWMILAP_1354
BC05681	721843 & 721844	WMWMILAP_1354
BC05682	722036 & 722037	WMWMILAP_1354
BC05683	722036 & 722037	WMWMILAP_1354
BC05684	722036 & 722037	WMWMILAP_1354
BC05685	722036 & 722037	WMWMILAP_1354
BC05686	722036 & 722037	WMWMILAP_1354
BC05688	722036 & 722037	WMWMILAP_1354
BC05689	722036 & 722037	WMWMILAP_1354
BC05690	722036 & 722037	WMWMILAP_1354
BC05692	722036 & 722037	WMWMILAP_1354
BC05693	722036 & 722037	WMWMILAP_1354
BC05694	722036 & 722037	WMWMILAP_1354
BC05695	722036 & 722037	WMWMILAP_1354
BC05696	722036 & 722037	WMWMILAP_1354

4. All of the above samples were analyzed and prepared by Standard Method 2320B.
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:

- An initial pH check was analyzed with each batch. The acceptance criteria were met.
- A final pH check was analyzed with each batch. The acceptance criteria were met.
- An alkalinity laboratory control sample was analyzed with each batch. Range criteria of within 10% of true value was met.
- An alkalinity sample duplicate was analyzed with each batch. Precision criteria less than 10 RPD was met.

7. The following samples had pH>10 and/or TDS>500mg/L. Therefore, the calculations for carbonate and bicarbonate are estimates:

- BC05060
- BC05061
- BC05064
- BC05065
- BC05066
- BC05067
- BC05068
- BC05069
- BC05073
- BC05074
- BC05075
- BC05077
- BC05459
- BC05460
- BC05461
- BC05462
- BC05463
- BC05464
- BC05465
- BC05469
- BC05470
- BC05676
- BC05677
- BC05678
- BC05680
- BC05681
- BC05682
- BC05685
- BC05686
- BC05688
- BC05689
- BC05690
- BC05692
- BC05693
- BC05694
- BC05696

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Nitrate-Nitrite

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	721168	WMWMILAP_1354
BC05058	721168	WMWMILAP_1354
BC05059	721168	WMWMILAP_1354
BC05060	721168	WMWMILAP_1354
BC05061	721168	WMWMILAP_1354
BC05062	721168	WMWMILAP_1354
BC05063	721168	WMWMILAP_1354
BC05064	721168	WMWMILAP_1354
BC05065	721168	WMWMILAP_1354
BC05066	721168	WMWMILAP_1354
BC05067	721169	WMWMILAP_1354
BC05068	721169	WMWMILAP_1354
BC05069	721169	WMWMILAP_1354
BC05070	721169	WMWMILAP_1354
BC05071	721169	WMWMILAP_1354
BC05072	721169	WMWMILAP_1354
BC05073	721169	WMWMILAP_1354
BC05074	721169	WMWMILAP_1354
BC05075	721169	WMWMILAP_1354
BC05076	721169	WMWMILAP_1354
BC05077	721170	WMWMILAP_1354
BC05459	721170	WMWMILAP_1354
BC05460	721170	WMWMILAP_1354
BC05461	721170	WMWMILAP_1354
BC05462	721170	WMWMILAP_1354
BC05463	721170	WMWMILAP_1354
BC05464	721170	WMWMILAP_1354
BC05465	721170	WMWMILAP_1354
BC05466	721170	WMWMILAP_1354
BC05467	721170	WMWMILAP_1354
BC05468	721561	WMWMILAP_1354

BC05469	721561	WMWMILAP_1354
BC05470	721561	WMWMILAP_1354
BC05676	721561	WMWMILAP_1354
BC05677	721561	WMWMILAP_1354
BC05678	721561	WMWMILAP_1354
BC05679	721561	WMWMILAP_1354
BC05680	721561	WMWMILAP_1354
BC05681	721561	WMWMILAP_1354
BC05682	721561	WMWMILAP_1354
BC05683	721562	WMWMILAP_1354
BC05684	721562	WMWMILAP_1354
BC05685	721562	WMWMILAP_1354
BC05686	721562	WMWMILAP_1354
BC05687	721562	WMWMILAP_1354
BC05688	721562	WMWMILAP_1354
BC05689	721562	WMWMILAP_1354
BC05690	721562	WMWMILAP_1354
BC05691	721562	WMWMILAP_1354
BC05692	721562	WMWMILAP_1354
BC05693	721563	WMWMILAP_1354
BC05694	721563	WMWMILAP_1354
BC05695	721563	WMWMILAP_1354
BC05696	721563	WMWMILAP_1354

4. All of the above samples were prepared and analyzed for NO_x by EPA 353.2.
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:

- Water baseline report was run and met criteria.
- All calibration met criteria for the requested analytes.
- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and met all criteria.
- All continued calibration verification (CCV) were within the acceptance criteria.
- Prior to sample analysis, an initial calibration blank (ICB) was analyzed and were below limit of detection.
- All continued calibration blanks (CCB) were below the limit of detection.

EPA 353.2 Specific QC:

- Prior to sample analysis, Cadmium coil reduction efficiency check met criteria.
- Matrix Specific QC:
    - A sample duplicate was run and criteria for precision was met.
    - A matrix spike was run and criteria for accuracy was met.

7. All samples were analyzed without a dilution factor.
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

Case Narrative

Alabama Power

Total Organic Carbon

Miller Ash Pond

WMWMILAP_1354

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC05057	720713	WMWMILAP_1354
BC05058	720713	WMWMILAP_1354
BC05059	720713	WMWMILAP_1354
BC05060	720713	WMWMILAP_1354
BC05061	720713	WMWMILAP_1354
BC05062	720713	WMWMILAP_1354
BC05063	720713	WMWMILAP_1354
BC05064	720713	WMWMILAP_1354
BC05065	720713	WMWMILAP_1354
BC05066	720713	WMWMILAP_1354
BC05067	720714	WMWMILAP_1354
BC05068	720714	WMWMILAP_1354
BC05069	720714	WMWMILAP_1354
BC05070	720714	WMWMILAP_1354
BC05071	720714	WMWMILAP_1354
BC05072	720714	WMWMILAP_1354
BC05073	720714	WMWMILAP_1354
BC05074	720714	WMWMILAP_1354
BC05075	720714	WMWMILAP_1354
BC05076	720714	WMWMILAP_1354
BC05077	720715	WMWMILAP_1354
BC05459	721294	WMWMILAP_1354
BC05460	721294	WMWMILAP_1354
BC05461	721294	WMWMILAP_1354
BC05462	721294	WMWMILAP_1354
BC05463	721294	WMWMILAP_1354
BC05464	721294	WMWMILAP_1354
BC05465	721294	WMWMILAP_1354
BC05466	721294	WMWMILAP_1354
BC05467	721294	WMWMILAP_1354
BC05468	721294	WMWMILAP_1354

BC05469	721295	WMWMILAP_1354
BC05470	721295	WMWMILAP_1354
BC05676	721295	WMWMILAP_1354
BC05677	721295	WMWMILAP_1354
BC05678	721295	WMWMILAP_1354
BC05679	721295	WMWMILAP_1354
BC05680	721295	WMWMILAP_1354
BC05681	721295	WMWMILAP_1354
BC05682	721295	WMWMILAP_1354
BC05683	721295	WMWMILAP_1354
BC05684	721296	WMWMILAP_1354
BC05685	721296	WMWMILAP_1354
BC05686	721296	WMWMILAP_1354
BC05687	721296	WMWMILAP_1354
BC05688	721296	WMWMILAP_1354
BC05689	721296	WMWMILAP_1354
BC05690	721296	WMWMILAP_1354
BC05691	721296	WMWMILAP_1354
BC05692	721296	WMWMILAP_1354
BC05693	721296	WMWMILAP_1354
BC05694	721297	WMWMILAP_1354
BC05695	721297	WMWMILAP_1354
BC05696	721297	WMWMILAP_1354

4. All of the above samples were prepared and analyzed by Standard Method 5310B.
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 calibration criteria were met.
- Prior to sample analysis, an initial calibration verification (ICV) was analyzed and met all criteria.
- Prior to sample analysis, an initial calibration blank (ICB) was analyzed and was <1/2RL.
- All continued calibration verifications (CCVs) were within the acceptance range.
- All continued calibration blanks (CCBs) were <1/2RL.

Matrix Specific Quality Control Procedures:

- A matrix spike and matrix spike duplicate were analyzed with each batch. All acceptance criteria for accuracy were met.
- A matrix spike and matrix spike duplicate were 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

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-35H

Location Code: WMWMILAP
Collected: 3/8/22 07:57
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05057

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:09		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 11:47		10.15	61.6	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:09		1.015	3.03	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:09		1.015	0.0264	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:09		1.015	34.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:09		1	34.9	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:09		1.015	16.3	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:09		1.015	26.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 09:49		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:27		10.15	65.3	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 09:49		1.015	3.04	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 09:49		1.015	0.0260	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 09:49		1.015	33.8	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 09:49		1	35.3	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 09:49		1.015	16.5	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 09:49		1.015	25.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 18:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.00687	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.0118	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.0274	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 18:46		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 18:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.000233	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.0000758	mg/L	0.000068	0.000203	J
* Lead, Total	3/11/22 11:09	3/11/22 18:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.259	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 18:46		1.015	0.00121	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 18:46		1.015	1.65	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-35H

Location Code: WMWMILAP
Collected: 3/8/22 07:57
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05057

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 18:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 18:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	0.0117	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	0.0276	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	0.258	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	0.00124	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	1.72	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 22:39		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:39	3/17/22 12:39		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	151	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	432	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	150	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.81	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 16:02	3/15/22 16:02		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-35H

Location Code: WMWMILAP
Collected: 3/8/22 07:57
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05057

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 11:03	3/11/22 11:03		1	2.20	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:04	3/22/22 09:04		1	0.129	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 14:31	3/23/22 14:31		16	199	mg/L	9.6	32	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/8/22 07:54	3/8/22 07:54			636.49	uS/cm			FA
pH	3/8/22 07:54	3/8/22 07:54			6.77	SU			FA
Temperature	3/8/22 07:54	3/8/22 07:54			17.80	C			FA
Turbidity	3/8/22 07:54	3/8/22 07:54			0.65	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 07:57
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-35H

Laboratory ID Number: BC05057

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 07:57
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-35H

Laboratory ID Number: BC05057

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 07:57
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-35H

Laboratory ID Number: BC05057

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 07:57
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-35H

Laboratory ID Number: BC05057

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-17H

Location Code: WMWMILAP
Collected: 3/8/22 09:14
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05058

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:11		1.015	0.0797	mg/L	0.030000	0.1015	J
* Calcium, Total	3/17/22 10:40	3/22/22 11:48		10.15	41.7	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:11		1.015	0.835	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:11		1.015	0.0644	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:11		1.015	15.8	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:11		1	29.1	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:11		1.015	13.6	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:48		10.15	96.2	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 09:51		1.015	0.0809	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:29		10.15	45.0	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 09:51		1.015	0.728	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 09:51		1.015	0.0653	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 09:51		1.015	15.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 09:51		1	28.7	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 09:51		1.015	13.4	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:29		10.15	98.3	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 18:50		1.015	0.0139	mg/L	0.006090	0.01015	
* Arsenic, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/11/22 11:09	3/11/22 18:50		1.015	0.622	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 18:50		1.015	0.0649	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/11/22 11:09	3/11/22 18:50		1.015	1.44	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-17H

Location Code: WMWMILAP
Collected: 3/8/22 09:14
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05058

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 18:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	0.614	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	0.0609	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	1.50	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 22:43		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:41	3/17/22 12:41		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	307	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	376	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	306	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	1.44	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 16:22	3/15/22 16:22		1	1.18	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-17H

Location Code: WMWMILAP
Collected: 3/8/22 09:14
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05058

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/11/22 11:04	3/11/22 11:04		1	6.06	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 09:05	3/22/22 09:05		1	0.158	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/23/22 14:33	3/23/22 14:33		2	62.1	mg/L	1.2	4	
Analytical Method: Field Measurements		***Analyst: DKG***							
Conductivity	3/8/22 09:11	3/8/22 09:11			632.18	uS/cm			FA
pH	3/8/22 09:11	3/8/22 09:11			7.07	SU			FA
Temperature	3/8/22 09:11	3/8/22 09:11			16.22	C			FA
Turbidity	3/8/22 09:11	3/8/22 09:11			1.89	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:14
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-17H

Laboratory ID Number: BC05058

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:14
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-17H

Laboratory ID Number: BC05058

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:14
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-17H

Laboratory ID Number: BC05058

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:14
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-17H

Laboratory ID Number: BC05058

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-18H

Location Code: WMWMILAP
Collected: 3/8/22 10:38
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05059

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:13		1.015	0.194	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 10:13		1.015	3.72	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 10:13		1.015	0.356	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:13		1.015	0.0926	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:13		1.015	1.61	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:13		1	10.3	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:13		1.015	4.79	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:50		10.15	147	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 09:53		1.015	0.193	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 09:53		1.015	3.77	mg/L	0.070035	0.406	
* Iron, Dissolved	3/17/22 14:16	3/23/22 09:53		1.015	0.175	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 09:53		1.015	0.0899	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 09:53		1.015	1.59	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 09:53		1	10.2	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 09:53		1.015	4.76	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:31		10.15	153	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.0247	mg/L	0.006090	0.01015	
* Arsenic, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.000276	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.0258	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.000226	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.0196	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.0104	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 18:53		1.015	0.837	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-18H

Location Code: WMWMILAP
Collected: 3/8/22 10:38
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05059

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 18:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	0.000244	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	0.0245	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	0.0192	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	0.0106	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	0.908	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 22:47		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:43	3/17/22 12:43		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	189	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	360	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	187	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	1.93	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 16:40	3/15/22 16:40		1	1.87	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-18H

Location Code: WMWMILAP
Collected: 3/8/22 10:38
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05059

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/11/22 11:05	3/11/22 11:05		1	5.42	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 09:06	3/22/22 09:06		1	0.294	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/23/22 14:34	3/23/22 14:34		8	125	mg/L	4.8	16	
Analytical Method: Field Measurements		***Analyst: DKG***							
Conductivity	3/8/22 10:35	3/8/22 10:35			618.64	uS/cm			FA
pH	3/8/22 10:35	3/8/22 10:35			7.50	SU			FA
Temperature	3/8/22 10:35	3/8/22 10:35			14.42	C			FA
Turbidity	3/8/22 10:35	3/8/22 10:35			0.47	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 10:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-18H

Laboratory ID Number: BC05059

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 10:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-18H

Laboratory ID Number: BC05059

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 10:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-18H

Laboratory ID Number: BC05059

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 10:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-18H

Laboratory ID Number: BC05059

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-7SR

Location Code: WMWMILAP
Collected: 3/8/22 12:48
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05060

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:15		1.015	0.711	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 11:52		10.15	91.2	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:52		10.15	6.96	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:15		1.015	0.139	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:15		1.015	38.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:15		1	21.3	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:15		1.015	9.95	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:52		10.15	59.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 09:55		1.015	0.700	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:33		10.15	93.3	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 11:33		10.15	6.85	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 09:55		1.015	0.136	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 09:55		1.015	37.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 09:55		1	20.9	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 09:55		1.015	9.78	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:33		10.15	59.2	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 18:57		1.015	0.00177	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 18:57		1.015	0.0403	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 18:57		1.015	0.000230	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 18:57		1.015	0.000670	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/15/22 16:31		5.075	1.45	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/11/22 11:09	3/11/22 18:57		1.015	0.0333	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 18:57		1.015	2.98	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-7SR

Location Code: WMWMILAP
Collected: 3/8/22 12:48
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05060

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 18:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	0.00174	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	0.0403	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	0.000710	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/15/22 16:45		5.075	1.48	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	0.0330	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	3.32	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 22:51		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:45	3/17/22 12:45		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	208	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	598	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	207	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.66	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 16:59	3/15/22 16:59		1	2.27	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-7SR

Location Code: WMWMILAP
Collected: 3/8/22 12:48
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05060

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 11:17	3/11/22 11:17		2	24.3	mg/L	1.00	2	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:08	3/22/22 09:08		1	0.223	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 14:35	3/23/22 14:35		16	279	mg/L	9.6	32	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/8/22 12:45	3/8/22 12:45			908.38	uS/cm			FA
pH	3/8/22 12:45	3/8/22 12:45			6.61	SU			FA
Temperature	3/8/22 12:45	3/8/22 12:45			14.80	C			FA
Turbidity	3/8/22 12:45	3/8/22 12:45			3.08	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 12:48
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7SR

Laboratory ID Number: BC05060

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 12:48
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7SR

Laboratory ID Number: BC05060

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 12:48
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7SR

Laboratory ID Number: BC05060

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 12:48
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7SR

Laboratory ID Number: BC05060

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-7DR

Location Code: WMWMILAP
Collected: 3/8/22 13:46
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05061

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:17		1.015	0.759	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 11:54		10.15	124	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:17		1.015	2.18	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:17		1.015	0.105	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:17		1.015	38.8	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:17		1	14.4	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:17		1.015	6.73	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:54		10.15	81.2	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 09:57		1.015	0.764	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:35		10.15	130	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 09:57		1.015	2.14	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 09:57		1.015	0.101	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 09:57		1.015	38.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 09:57		1	14.4	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 09:57		1.015	6.71	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:35		10.15	80.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:01		1.015	0.000614	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:01		1.015	0.0261	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:01		1.015	1.12	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:01		1.015	0.00515	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:01		1.015	2.42	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-7DR

Location Code: WMWMILAP
Collected: 3/8/22 13:46
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05061

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	0.000655	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	0.0258	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	1.15	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	0.00523	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	2.61	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 22:55		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:47	3/17/22 12:47		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	165	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	798	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	165	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.18	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 17:20	3/15/22 17:20		1	1.97	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-7DR

Location Code: WMWMILAP
Collected: 3/8/22 13:46
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05061

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 11:18	3/11/22 11:18		4	54.3	mg/L	2.00	4	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:09	3/22/22 09:09		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 14:36	3/23/22 14:36		25	407	mg/L	15.0	50	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/8/22 13:43	3/8/22 13:43			1223.41	uS/cm			FA
pH	3/8/22 13:43	3/8/22 13:43			6.81	SU			FA
Temperature	3/8/22 13:43	3/8/22 13:43			15.72	C			FA
Turbidity	3/8/22 13:43	3/8/22 13:43			0.21	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:46
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7DR

Laboratory ID Number: BC05061

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:46
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7DR

Laboratory ID Number: BC05061

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:46
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7DR

Laboratory ID Number: BC05061

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:46
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-7DR

Laboratory ID Number: BC05061

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-1

Location Code: WMWMILAPFB
Collected: 3/8/22 14:35
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05062

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:19		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 10:19		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	3/17/22 10:40	3/22/22 10:19		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/17/22 10:40	3/22/22 10:19		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/17/22 10:40	3/22/22 10:19		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:19		1	Not Detected	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:19		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	3/17/22 10:40	3/22/22 10:19		1.015	0.0506	mg/L	0.03045	0.406	J
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Beryllium, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:04		1.015	0.000229	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 22:59		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:48	3/17/22 12:48		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	Not Detected	mg/L		25	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-1

Location Code: WMWMILAPFB
Collected: 3/8/22 14:35
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05062

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		***Analyst: ELH***							
* Total Organic Carbon	3/15/22 17:36	3/15/22 17:36		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/11/22 11:09	3/11/22 11:09		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 09:10	3/22/22 09:10		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/23/22 14:37	3/23/22 14:37		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/8/22 14:35
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond Field Blank-1

Laboratory ID Number: BC05062

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/8/22 14:35
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond Field Blank-1

Laboratory ID Number: BC05062

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAPFB
Sample Date: 3/8/22 14:35
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond Field Blank-1

Laboratory ID Number: BC05062

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-32H

Location Code: WMWMILAP
Collected: 3/9/22 08:42
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05063

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:21		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 11:56		10.15	53.6	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:21		1.015	0.162	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:21		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/17/22 10:40	3/22/22 10:21		1.015	11.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:21		1	22.7	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:21		1.015	10.6	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:21		1.015	21.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 09:59		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:37		10.15	58.7	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 09:59		1.015	0.154	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 09:59		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 09:59		1.015	11.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 09:59		1	22.5	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 09:59		1.015	10.5	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 09:59		1.015	21.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:08		1.015	0.000802	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:08		1.015	0.492	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:08		1.015	0.000236	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:08		1.015	0.0000712	mg/L	0.000068	0.000203	J
* Lead, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:08		1.015	0.00862	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:08		1.015	0.00541	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:08		1.015	1.62	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-32H

Location Code: WMWMILAP
Collected: 3/9/22 08:42
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05063

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	0.000712	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	0.490	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	0.00938	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	0.00536	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	1.77	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:03		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:50	3/17/22 12:50		1	0.278	mg/L as N	0.20	0.3	J
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	208	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	234	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	206	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	1.77	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 17:56	3/15/22 17:56		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-32H

Location Code: WMWMILAP
Collected: 3/9/22 08:42
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05063

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 11:10	3/11/22 11:10		1	8.50	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:11	3/22/22 09:11		1	0.138	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 14:39	3/23/22 14:39		1	18.2	mg/L	0.6	2	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/9/22 08:39	3/9/22 08:39			403.01	uS/cm			FA
pH	3/9/22 08:39	3/9/22 08:39			7.35	SU			FA
Temperature	3/9/22 08:39	3/9/22 08:39			15.69	C			FA
Turbidity	3/9/22 08:39	3/9/22 08:39			1.14	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 08:42
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-32H

Laboratory ID Number: BC05063

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 08:42
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-32H

Laboratory ID Number: BC05063

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 08:42
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-32H

Laboratory ID Number: BC05063

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 08:42
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-32H

Laboratory ID Number: BC05063

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20HS

Location Code: WMWMILAP
Collected: 3/9/22 10:30
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05064

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:22		1.015	0.491	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 11:58		10.15	115	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:58		10.15	7.60	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:22		1.015	0.0594	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:22		1.015	36.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:22		1	30.8	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:22		1.015	14.4	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:58		10.15	41.0	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:01		1.015	0.496	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:39		10.15	122	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 12:48		10.15	8.25	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:01		1.015	0.0573	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:01		1.015	35.8	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:01		1	31.2	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:01		1.015	14.6	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:39		10.15	41.5	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:12		1.015	0.000305	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:12		1.015	0.0263	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:12		1.015	0.000220	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:12		1.015	0.000831	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:12		1.015	0.465	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:12		1.015	0.000371	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:12		1.015	1.29	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20HS

Location Code: WMWMILAP
Collected: 3/9/22 10:30
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05064

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	0.000229	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	0.0269	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	0.000904	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	0.487	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	0.000315	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	1.44	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:07		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:52	3/17/22 12:52		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	76.7	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	688	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	76.5	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.14	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 18:14	3/15/22 18:14		1	1.13	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20HS

Location Code: WMWMILAP
Collected: 3/9/22 10:30
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05064

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 11:48	3/11/22 11:48		2	33.8	mg/L	1.00	2	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:12	3/22/22 09:12		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 14:40	3/23/22 14:40		25	398	mg/L	15.0	50	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/9/22 10:27	3/9/22 10:27			945.50	uS/cm			FA
pH	3/9/22 10:27	3/9/22 10:27			6.71	SU			FA
Temperature	3/9/22 10:27	3/9/22 10:27			16.45	C			FA
Turbidity	3/9/22 10:27	3/9/22 10:27			0.58	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS

Laboratory ID Number: BC05064

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS

Laboratory ID Number: BC05064

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS

Laboratory ID Number: BC05064

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS

Laboratory ID Number: BC05064

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20HS DUP

Location Code: WMWMILAP
Collected: 3/9/22 10:30
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05065

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:24		1.015	0.499	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:00		10.15	114	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 12:00		10.15	7.56	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:24		1.015	0.0589	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:24		1.015	35.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:24		1	31.5	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:24		1.015	14.7	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:00		10.15	41.3	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:02		1.015	0.500	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:41		10.15	117	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 11:41		10.15	7.65	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:02		1.015	0.0579	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:02		1.015	36.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:02		1	31.5	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:02		1.015	14.7	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:41		10.15	39.7	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:15		1.015	0.000215	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:15		1.015	0.0265	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:15		1.015	0.000240	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:15		1.015	0.000807	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:15		1.015	0.465	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:15		1.015	0.000429	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:15		1.015	1.28	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20HS DUP

Location Code: WMWMILAP
Collected: 3/9/22 10:30
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05065

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	0.000204	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	0.0262	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	0.000834	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	0.462	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	0.000301	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	1.38	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:10		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:54	3/17/22 12:54		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	74.2	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	692	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	74.0	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.18	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 18:31	3/15/22 18:31		1	1.11	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20HS DUP

Location Code: WMWMILAP
Collected: 3/9/22 10:30
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05065

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/11/22 11:49	3/11/22 11:49		2	32.6	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 09:14	3/22/22 09:14		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/23/22 14:41	3/23/22 14:41		25	402	mg/L	15.0	50	
Analytical Method: Field Measurements		***Analyst: DKG***							
Conductivity	3/9/22 10:27	3/9/22 10:27			945.50	uS/cm			FA
pH	3/9/22 10:27	3/9/22 10:27			6.71	SU			FA
Temperature	3/9/22 10:27	3/9/22 10:27			16.45	C			FA
Turbidity	3/9/22 10:27	3/9/22 10:27			0.58	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS DUP

Laboratory ID Number: BC05065

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS DUP

Laboratory ID Number: BC05065

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS DUP

Laboratory ID Number: BC05065

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:30
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20HS DUP

Laboratory ID Number: BC05065

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20H

Location Code: WMWMILAP
Collected: 3/9/22 12:23
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05066

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:26		1.015	0.759	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:02		10.15	191	mg/L	0.70035	4.06	RA
* Iron, Total	3/17/22 10:40	3/22/22 12:02		10.15	4.70	mg/L	0.08120	0.406	RA
* Lithium, Total	3/17/22 10:40	3/22/22 10:26		1.015	0.217	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:02		10.15	43.8	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:26		1	10.6	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:26		1.015	4.94	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:02		10.15	102	mg/L	0.3045	4.06	RA
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:04		1.015	0.763	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:42		10.15	206	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 11:42		10.15	4.71	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:04		1.015	0.214	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 11:42		10.15	43.1	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:04		1	10.5	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:04		1.015	4.92	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:42		10.15	101	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:19		1.015	0.0117	mg/L	0.006090	0.01015	
* Arsenic, Total	3/11/22 11:09	3/11/22 19:19		1.015	0.000874	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:19		1.015	0.0245	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:19		1.015	0.000205	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:19		1.015	0.000813	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:19		1.015	1.18	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:19		1.015	0.0621	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:19		1.015	4.76	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20H

Location Code: WMWMILAP
Collected: 3/9/22 12:23
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05066

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	0.000972	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	0.0254	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	0.000735	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	1.17	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	0.0608	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	5.26	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:14		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 12:56	3/17/22 12:56		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	113	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	1120	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	112	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.52	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 18:46	3/15/22 18:46		1	1.73	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-20H

Location Code: WMWMILAP
Collected: 3/9/22 12:23
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05066

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 11:50	3/11/22 11:50		4	27.6	mg/L	2.00	4	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:15	3/22/22 09:15		1	0.329	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 14:42	3/23/22 14:42		50	785	mg/L	30.0	100	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/9/22 12:20	3/9/22 12:20			1514.71	uS/cm			FA
pH	3/9/22 12:20	3/9/22 12:20			7.38	SU			FA
Temperature	3/9/22 12:20	3/9/22 12:20			15.65	C			FA
Turbidity	3/9/22 12:20	3/9/22 12:20			0.87	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 12:23
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20H

Laboratory ID Number: BC05066

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05066	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.104	0.103	0.102	0.0850 to 0.115	92.3	70.0 to 130	0.966	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05066	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0972	0.0983	0.0938	0.0850 to 0.115	97.2	70.0 to 130	1.13	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05066	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0968	0.0983	0.102	0.0850 to 0.115	95.9	70.0 to 130	1.54	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05066	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.119	0.118	0.0979	0.0850 to 0.115	94.5	70.0 to 130	0.844	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05066	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0889	0.0902	0.0937	0.0850 to 0.115	88.9	70.0 to 130	1.45	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05066	Boron, Total	mg/L	0.000004	0.0650	1.00	1.76	1.73	0.978	0.850 to 1.15	100	70.0 to 130	1.72	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05066	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0920	0.0908	0.100	0.0850 to 0.115	92.0	70.0 to 130	1.31	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05066	Calcium, Total	mg/L	-0.00894	0.152	5.00	200	203	4.88	4.25 to 5.75	180	70.0 to 130	1.49	20.0
BC05066	Chloride	mg/L	-0.0169	1.00	40.0	68.2	68.4	9.80	9.00 to 11.0	102	80.0 to 120	0.293	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05066	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0934	0.0922	0.100	0.0850 to 0.115	93.2	70.0 to 130	1.29	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05066	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.0966	0.0969	0.104	0.0850 to 0.115	95.8	70.0 to 130	0.310	20.0
BC05066	Fluoride	mg/L	-0.0438	0.125	2.50	2.90	3.03	2.69	2.25 to 2.75	103	80.0 to 120	4.38	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 12:23
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20H

Laboratory ID Number: BC05066

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Iron, Total	mg/L	-0.000562	0.0176	0.2	5.00	4.90	0.199	0.170 to 0.230	150	70.0 to 130	2.02	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05066	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0984	0.0974	0.0985	0.0850 to 0.115	98.4	70.0 to 130	1.02	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05066	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.424	0.419	0.201	0.170 to 0.230	104	70.0 to 130	1.19	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05066	Magnesium, Total	mg/L	0.00188	0.0462	5.00	49.6	48.2	5.16	4.25 to 5.75	116	70.0 to 130	2.86	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05066	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	1.25	1.26	0.101	0.0850 to 0.115	70.0	70.0 to 130	0.797	20.0
BC05066	Mercury, Total by CVAA	mg/L	-3.000E-05	0.000500	0.004	0.00402	0.00405	0.0038	0.00340 to 0.00460	100	70.0 to 130	0.743	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05066	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.153	0.159	0.0993	0.0850 to 0.115	90.9	70.0 to 130	3.85	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05066	Potassium, Total	mg/L	0.0236	0.367	10.0	13.9	14.0	9.94	8.50 to 11.5	91.4	70.0 to 130	0.717	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05066	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0949	0.0968	0.103	0.0850 to 0.115	94.9	70.0 to 130	1.98	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05066	Silicon, Total	mg/L	0.00024	0.0440	1.00	5.87	5.77	1.01	0.850 to 1.15	93.0	70.0 to 130	1.72	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05066	Sodium, Total	mg/L	0.000363	0.0660	5.00	107	102	5.04	4.25 to 5.75	100	70.0 to 130	4.78	20.0
BC05066	Sulfate	mg/L	0.285	2.0	1000	1820	1800	20.0	18.0 to 22.0	104	80.0 to 120	1.10	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 12:23
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20H

Laboratory ID Number: BC05066

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05066	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0979	0.0986	0.0978	0.0850 to 0.115	97.9	70.0 to 130	0.712	20.0
BC05066	Total Organic Carbon	mg/L	0.320	1.00	10.0	11.8	11.7	9.88		101	80.0 to 120	0.851	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 12:23
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-20H

Laboratory ID Number: BC05066

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05066	Nitrogen, Nitrate/Nitrite	mg/L as N	0.07	0.200	2.00	2.06	0.087	1.88	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC05066	Solids, Dissolved	mg/L	0.0000	25.0			1090	50.0	40.0 to 60.0			2.71	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-9SR

Location Code: WMWMILAP
Collected: 3/8/22 09:39
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05067

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:36		1.015	0.117	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:11		10.15	99.1	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:36		1.015	3.75	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:36		1.015	0.0400	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:11		10.15	54.1	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:36		1	27.8	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:36		1.015	13.0	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:36		1.015	31.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:06		1.015	0.124	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:44		10.15	103	mg/L	0.70035	4.06	RA
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:06		1.015	4.02	mg/L	0.008120	0.0406	RA
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:06		1.015	0.0395	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 11:44		10.15	52.8	mg/L	0.21315	4.06	RA
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:06		1	29.1	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:06		1.015	13.6	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:06		1.015	31.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:41		1.015	0.000786	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:41		1.015	0.0169	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:41		1.015	0.000204	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:41		1.015	0.000216	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:41		1.015	0.503	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:41		1.015	0.000268	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:41		1.015	2.39	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-9SR

Location Code: WMWMILAP
Collected: 3/8/22 09:39
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05067

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	0.000798	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	0.0166	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	0.000149	mg/L	0.000068	0.000203	J
* Lead, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	0.517	mg/L	0.000152	0.000203	RA
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	0.000232	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	2.40	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 15:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:42		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:05	3/17/22 13:05		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	169	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	614	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	169	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.30	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 20:05	3/15/22 20:05		1	1.02	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-9SR

Location Code: WMWMILAP
Collected: 3/8/22 09:39
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05067

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/11/22 13:34	3/11/22 13:34		1	8.44	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 09:28	3/22/22 09:28		1	0.125	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/23/22 15:40	3/23/22 15:40		25	349	mg/L	15.0	50	
Analytical Method: Field Measurements		***Analyst: TJD***							
Conductivity	3/8/22 09:35	3/8/22 09:35			911.52	uS/cm			FA
pH	3/8/22 09:35	3/8/22 09:35			6.28	SU			FA
Temperature	3/8/22 09:35	3/8/22 09:35			17.08	C			FA
Turbidity	3/8/22 09:35	3/8/22 09:35			4.99	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:39
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9SR

Laboratory ID Number: BC05067

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05067	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05067	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0910	0.0932	0.0932	0.0850 to 0.115	91.0	70.0 to 130	2.39	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05067	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0968	0.0970	0.101	0.0850 to 0.115	96.0	70.0 to 130	0.206	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05067	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.108	0.109	0.100	0.0850 to 0.115	91.4	70.0 to 130	0.922	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05067	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.0952	0.0973	0.109	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05067	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.18	1.15	1.02	0.850 to 1.15	106	70.0 to 130	2.58	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05067	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0928	0.0945	0.0989	0.0850 to 0.115	92.8	70.0 to 130	1.82	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05067	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	108	105	4.87	4.25 to 5.75	100	70.0 to 130	2.82	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05067	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0926	0.0952	0.102	0.0850 to 0.115	92.6	70.0 to 130	2.77	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05067	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.0938	0.0964	0.104	0.0850 to 0.115	93.7	70.0 to 130	2.73	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05067	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	4.29	4.21	0.199	0.170 to 0.230	135	70.0 to 130	1.88	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:39
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9SR

Laboratory ID Number: BC05067

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05067	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.0956	0.0979	0.101	0.0850 to 0.115	95.6	70.0 to 130	2.38	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05067	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.238	0.238	0.200	0.170 to 0.230	99.2	70.0 to 130	0.00	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05067	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	57.1	55.9	5.10	4.25 to 5.75	86.0	70.0 to 130	2.12	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05067	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.584	0.591	0.104	0.0850 to 0.115	67.0	70.0 to 130	1.19	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05067	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.0924	0.0981	0.0998	0.0850 to 0.115	92.2	70.0 to 130	5.98	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05067	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	12.3	12.6	10.7	8.50 to 11.5	99.0	70.0 to 130	2.41	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05067	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0957	0.0996	0.102	0.0850 to 0.115	95.7	70.0 to 130	3.99	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05067	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	14.8	14.7	1.02	0.850 to 1.15	120	70.0 to 130	0.678	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05067	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	35.6	36.0	5.02	4.25 to 5.75	92.0	70.0 to 130	1.12	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05067	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.0980	0.0998	0.100	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:39
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9SR

Laboratory ID Number: BC05067

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 09:39
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9SR

Laboratory ID Number: BC05067

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-9DR

Location Code: WMWMILAP
Collected: 3/8/22 11:00
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05068

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:37		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 12:13		10.15	86.5	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:37		1.015	3.36	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:37		1.015	0.0682	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:13		10.15	48.7	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:37		1	39.2	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:37		1.015	18.3	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:37		1.015	35.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:16		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:54		10.15	93.0	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:16		1.015	3.15	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:16		1.015	0.0679	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 11:54		10.15	47.6	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:16		1	40.0	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:16		1.015	18.7	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:16		1.015	35.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:44		1.015	0.000858	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:44		1.015	0.0393	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:44		1.015	0.000241	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:44		1.015	0.000128	mg/L	0.000068	0.000203	J
* Lead, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:44		1.015	0.168	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:44		1.015	0.00121	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:44		1.015	2.32	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-9DR

Location Code: WMWMILAP
Collected: 3/8/22 11:00
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05068

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	0.000735	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	0.0405	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	0.0000878	mg/L	0.000068	0.000203	J
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	0.163	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	0.00106	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	2.56	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:03		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:46		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:07	3/17/22 13:07		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	204	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	594	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	203	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.96	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 20:25	3/15/22 20:25		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-9DR

Location Code: WMWMILAP
Collected: 3/8/22 11:00
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05068

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:35	3/11/22 13:35		1	7.08	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:29	3/22/22 09:29		1	0.110	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:41	3/23/22 15:41		20	296	mg/L	12.0	40	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/8/22 10:57	3/8/22 10:57			788.53	uS/cm			FA
pH	3/8/22 10:57	3/8/22 10:57			6.75	SU			FA
Temperature	3/8/22 10:57	3/8/22 10:57			17.11	C			FA
Turbidity	3/8/22 10:57	3/8/22 10:57			1.98	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 11:00
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9DR

Laboratory ID Number: BC05068

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 11:00
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9DR

Laboratory ID Number: BC05068

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 11:00
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9DR

Laboratory ID Number: BC05068

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
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744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 11:00
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-9DR

Laboratory ID Number: BC05068

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-16

Location Code: WMWMILAP
Collected: 3/8/22 13:25
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05069

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:39		1.015	2.13	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 13:05		10.15	154	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:39		1.015	0.434	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:39		1.015	0.0901	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:39		1.015	19.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:39		1	5.82	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:39		1.015	2.72	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 13:05		10.15	69.8	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:17		1.015	2.23	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:55		10.15	151	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:17		1.015	0.444	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:17		1.015	0.0873	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:17		1.015	19.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:17		1	6.08	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:17		1.015	2.84	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 11:55		10.15	64.5	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:48		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.000728	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.0206	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:48		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:48		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.00413	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.966	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.0418	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 19:48		1.015	11.6	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-16

Location Code: WMWMILAP
Collected: 3/8/22 13:25
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05069

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.00171	mg/L	0.000508	0.001015	
* Thallium, Total	3/11/22 11:09	3/11/22 19:48		1.015	0.0000715	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	0.000674	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	0.0211	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	0.00386	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	0.962	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	0.0431	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	12.7	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:07		1.015	0.00207	mg/L	0.000508	0.001015	
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:06		1.015	0.0000779	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:50		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:09	3/17/22 13:09		1	0.440	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	61.7	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	738	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	61.4	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.25	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 20:42	3/15/22 20:42		1	1.22	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-16

Location Code: WMWMILAP
Collected: 3/8/22 13:25
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05069

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:36	3/11/22 13:36		1	7.81	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:30	3/22/22 09:30		1	0.155	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:42	3/23/22 15:42		32	530	mg/L	19.2	64	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/8/22 13:23	3/8/22 13:23			999.74	uS/cm			FA
pH	3/8/22 13:23	3/8/22 13:23			6.15	SU			FA
Temperature	3/8/22 13:23	3/8/22 13:23			20.57	C			FA
Turbidity	3/8/22 13:23	3/8/22 13:23			0.98	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:25
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-16

Laboratory ID Number: BC05069

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:25
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-16

Laboratory ID Number: BC05069

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:25
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-16

Laboratory ID Number: BC05069

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/8/22 13:25
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-16

Laboratory ID Number: BC05069

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-15

Location Code: WMWMILAP
Collected: 3/9/22 10:09
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05070

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:41		1.015	0.445	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 10:41		1.015	39.1	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 12:17		10.15	10.3	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:41		1.015	0.0177	mg/L	0.007105	0.01999956	J
* Magnesium, Total	3/17/22 10:40	3/22/22 10:41		1.015	12.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:41		1	35.1	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:41		1.015	16.4	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:41		1.015	19.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:19		1.015	0.412	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:57		10.15	40.3	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 11:57		10.15	9.58	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:19		1.015	0.0171	mg/L	0.007105	0.01999956	J
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:19		1.015	12.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:19		1	35.1	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:19		1.015	16.4	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:19		1.015	19.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.000420	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.0275	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.000279	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.000652	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.568	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.000114	mg/L	0.000102	0.000203	J
* Potassium, Total	3/11/22 11:09	3/11/22 19:52		1.015	0.960	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-15

Location Code: WMWMILAP
Collected: 3/9/22 10:09
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05070

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	0.000376	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	0.0274	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	0.000669	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	0.550	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	1.07	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:54		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:11	3/17/22 13:11		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	76.3	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	279	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	76.2	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.07	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 21:02	3/15/22 21:02		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-15

Location Code: WMWMILAP
Collected: 3/9/22 10:09
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05070

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:38	3/11/22 13:38		1	17.6	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:31	3/22/22 09:31		1	0.103	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:43	3/23/22 15:43		8	123	mg/L	4.8	16	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/9/22 10:06	3/9/22 10:06			427.19	uS/cm			FA
pH	3/9/22 10:06	3/9/22 10:06			6.37	SU			FA
Temperature	3/9/22 10:06	3/9/22 10:06			20.66	C			FA
Turbidity	3/9/22 10:06	3/9/22 10:06			9.67	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15

Laboratory ID Number: BC05070

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15

Laboratory ID Number: BC05070

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15

Laboratory ID Number: BC05070

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15

Laboratory ID Number: BC05070

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-15 DUP

Location Code: WMWMILAP
Collected: 3/9/22 10:09
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05071

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:43		1.015	0.447	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 10:43		1.015	39.5	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 12:18		10.15	10.6	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:43		1.015	0.0176	mg/L	0.007105	0.01999956	J
* Magnesium, Total	3/17/22 10:40	3/22/22 10:43		1.015	12.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:43		1	34.9	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:43		1.015	16.3	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:43		1.015	19.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:21		1.015	0.439	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 11:59		10.15	41.0	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 11:59		10.15	9.50	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:21		1.015	0.0173	mg/L	0.007105	0.01999956	J
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:21		1.015	12.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:21		1	36.0	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:21		1.015	16.8	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:21		1.015	19.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 19:55		1.015	0.000472	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 19:55		1.015	0.0260	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:55		1.015	0.000612	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 19:55		1.015	0.000681	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:55		1.015	0.594	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/11/22 11:09	3/11/22 19:55		1.015	0.963	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-15 DUP

Location Code: WMWMILAP
Collected: 3/9/22 10:09
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05071

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	0.000363	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	0.0283	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	0.000762	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	0.608	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	1.13	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/10/22 23:58		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:12	3/17/22 13:12		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	69.3	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	263	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	69.2	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.08	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 21:21	3/15/22 21:21		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-15 DUP

Location Code: WMWMILAP
Collected: 3/9/22 10:09
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05071

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:39	3/11/22 13:39		1	17.6	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:33	3/22/22 09:33		1	0.165	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:45	3/23/22 15:45		8	120	mg/L	4.8	16	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/9/22 10:06	3/9/22 10:06			427.19	uS/cm			FA
pH	3/9/22 10:06	3/9/22 10:06			6.37	SU			FA
Temperature	3/9/22 10:06	3/9/22 10:06			20.66	C			FA
Turbidity	3/9/22 10:06	3/9/22 10:06			9.67	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: BC05071

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: BC05071

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: BC05071

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 10:09
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-15 DUP

Laboratory ID Number: BC05071

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-14R

Location Code: WMWMILAP
Collected: 3/9/22 11:38
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05072

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:45		1.015	0.0810	mg/L	0.030000	0.1015	J
* Calcium, Total	3/17/22 10:40	3/22/22 10:45		1.015	36.6	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 10:45		1.015	3.52	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:45		1.015	0.0196	mg/L	0.007105	0.01999956	J
* Magnesium, Total	3/17/22 10:40	3/22/22 10:45		1.015	15.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:45		1	31.5	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:45		1.015	14.7	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:45		1.015	11.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	0.0830	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	38.6	mg/L	0.070035	0.406	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	3.53	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	0.0193	mg/L	0.007105	0.01999956	J
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	15.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:23		1	32.1	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	15.0	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:23		1.015	11.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 19:59		1.015	0.0178	mg/L	0.006090	0.01015	
* Arsenic, Total	3/11/22 11:09	3/11/22 19:59		1.015	0.000186	mg/L	0.000081	0.000203	J
* Barium, Total	3/11/22 11:09	3/11/22 19:59		1.015	0.101	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 19:59		1.015	0.177	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 19:59		1.015	0.000116	mg/L	0.000102	0.000203	J
* Potassium, Total	3/11/22 11:09	3/11/22 19:59		1.015	1.01	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-14R

Location Code: WMWMILAP
Collected: 3/9/22 11:38
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05072

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 19:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	0.000184	mg/L	0.000081	0.000203	J
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	0.102	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	0.176	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	1.13	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/11/22 00:02		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:14	3/17/22 13:14		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	140	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	217	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	140	mg/L			
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.21	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 21:40	3/15/22 21:40		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-14R

Location Code: WMWMILAP
Collected: 3/9/22 11:38
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05072

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:40	3/11/22 13:40		1	7.96	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:34	3/22/22 09:34		1	0.188	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:46	3/23/22 15:46		2	48.7	mg/L	1.2	4	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/9/22 11:34	3/9/22 11:34			345.22	uS/cm			FA
pH	3/9/22 11:34	3/9/22 11:34			6.53	SU			FA
Temperature	3/9/22 11:34	3/9/22 11:34			19.03	C			FA
Turbidity	3/9/22 11:34	3/9/22 11:34			2.1	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-14R

Laboratory ID Number: BC05072

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-14R

Laboratory ID Number: BC05072

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-14R

Laboratory ID Number: BC05072

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:38
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-14R

Laboratory ID Number: BC05072

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-13DR

Location Code: WMWMILAP
Collected: 3/9/22 13:27
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05073

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:47		1.015	0.0558	mg/L	0.030000	0.1015	J
* Calcium, Total	3/17/22 10:40	3/22/22 12:20		10.15	73.0	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 10:47		1.015	0.358	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:47		1.015	0.0310	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:47		1.015	31.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:47		1	20.1	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:47		1.015	9.37	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:20		10.15	82.4	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:25		1.015	0.0490	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:01		10.15	70.3	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:25		1.015	0.266	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:25		1.015	0.0320	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:25		1.015	28.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:25		1	22.3	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:25		1.015	10.4	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:01		10.15	72.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 20:02		1.015	0.000659	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 20:02		1.015	0.0618	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/11/22 11:09	3/11/22 20:02		1.015	0.000664	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 20:02		1.015	0.125	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 20:02		1.015	0.00325	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 20:02		1.015	4.45	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-13DR

Location Code: WMWMILAP
Collected: 3/9/22 13:27
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05073

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 20:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	0.000450	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	0.0575	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	0.000656	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	0.105	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	0.00281	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	4.72	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:21		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/11/22 00:05		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:16	3/17/22 13:16		1	0.514	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	205	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	574	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	205	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.24	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 21:57	3/15/22 21:57		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-13DR

Location Code: WMWMILAP
Collected: 3/9/22 13:27
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05073

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:48	3/11/22 13:48		4	45.8	mg/L	2.00	4	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:35	3/22/22 09:35		1	0.179	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:47	3/23/22 15:47		16	210	mg/L	9.6	32	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/9/22 13:24	3/9/22 13:24			813.56	uS/cm			FA
pH	3/9/22 13:24	3/9/22 13:24			6.97	SU			FA
Temperature	3/9/22 13:24	3/9/22 13:24			18.47	C			FA
Turbidity	3/9/22 13:24	3/9/22 13:24			1.02	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 13:27
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13DR

Laboratory ID Number: BC05073

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 13:27
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13DR

Laboratory ID Number: BC05073

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 13:27
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13DR

Laboratory ID Number: BC05073

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 13:27
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13DR

Laboratory ID Number: BC05073

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05460	Solids, Dissolved	mg/L	0.0000	25.0			1200	51.0	40.0 to 60.0			0.837	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-13SR

Location Code: WMWMILAP
Collected: 3/9/22 15:10
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05074

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:49		1.015	0.0421	mg/L	0.030000	0.1015	J
* Calcium, Total	3/17/22 10:40	3/22/22 12:22		10.15	96.8	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 12:22		10.15	15.9	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 10:49		1.015	0.0215	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:22		10.15	163	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:49		1	19.2	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:49		1.015	8.99	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 10:49		1.015	28.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:27		1.015	0.0425	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:03		10.15	106	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 12:03		10.15	16.2	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:27		1.015	0.0216	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 12:03		10.15	170	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:27		1	20.2	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:27		1.015	9.45	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:27		1.015	28.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 20:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.0856	mg/L	0.006090	0.01015	
* Arsenic, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.00155	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.0216	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.00171	mg/L	0.000406	0.001015	
* Cadmium, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.0000960	mg/L	0.000068	0.000203	J
* Chromium, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.000675	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.0824	mg/L	0.000068	0.000203	
* Lead, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.000112	mg/L	0.000068	0.000203	J
* Manganese, Total	3/11/22 11:09	3/15/22 16:34		5.075	2.80	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.000137	mg/L	0.000102	0.000203	J
* Potassium, Total	3/11/22 11:09	3/11/22 20:06		1.015	4.01	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-13SR

Location Code: WMWMILAP
Collected: 3/9/22 15:10
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05074

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 20:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 20:06		1.015	0.000133	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.174	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.00154	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.0235	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.00251	mg/L	0.000406	0.001015	
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.0000971	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.0870	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.0000988	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	3/11/22 13:40	3/15/22 16:49		5.075	2.75	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.000131	mg/L	0.000102	0.000203	J
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	4.55	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:24		1.015	0.000148	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/11/22 00:09		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:18	3/17/22 13:18		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	71.3	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	1300	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	71.1	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	0.15	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 22:15	3/15/22 22:15		1	2.07	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-13SR

Location Code: WMWMILAP
Collected: 3/9/22 15:10
Customer ID:
Submittal Date: 3/10/22 11:10

Laboratory ID Number: BC05074

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:42	3/11/22 13:42		1	4.71	mg/L	0.5	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:36	3/22/22 09:36		1	0.573	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:48	3/23/22 15:48		50	902	mg/L	30.0	100	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/9/22 15:06	3/9/22 15:06			1370.22	uS/cm			FA
pH	3/9/22 15:06	3/9/22 15:06			6.05	SU			FA
Temperature	3/9/22 15:06	3/9/22 15:06			19.26	C			FA
Turbidity	3/9/22 15:06	3/9/22 15:06			1.18	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 15:10
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13SR

Laboratory ID Number: BC05074

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 15:10
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13SR

Laboratory ID Number: BC05074

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 15:10
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13SR

Laboratory ID Number: BC05074

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 15:10
Customer ID:
Delivery Date: 3/10/22 11:10

Description: Miller Ash Pond - MW-13SR

Laboratory ID Number: BC05074

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05460	Solids, Dissolved	mg/L	0.0000	25.0			1200	51.0	40.0 to 60.0			0.837	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-19HA

Location Code: WMWMILAP
Collected: 3/9/22 11:43
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05075

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***					***Preparation Method: EPA 1638***			
* Boron, Total	3/17/22 10:40	3/22/22 10:51		1.015	0.158	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 10:51		1.015	8.95	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 10:51		1.015	0.0110	mg/L	0.008120	0.0406	J
* Lithium, Total	3/17/22 10:40	3/22/22 10:51		1.015	0.124	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 10:51		1.015	2.98	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:51		1	12.6	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:51		1.015	5.89	mg/L	0.2030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:24		101.5	451	mg/L	3.045	40.6	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:29		1.015	0.163	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 10:29		1.015	8.95	mg/L	0.070035	0.406	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:29		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:29		1.015	0.126	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:29		1.015	2.93	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:29		1	12.7	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:29		1.015	5.95	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:05		101.5	455	mg/L	3.045	40.6	
Analytical Method: EPA 200.8	***Analyst: DLJ***					***Preparation Method: EPA 1638***			
* Antimony, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 20:10		1.015	0.0300	mg/L	0.006090	0.01015	
* Arsenic, Total	3/11/22 11:09	3/11/22 20:10		1.015	0.000610	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 20:10		1.015	0.0604	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 20:10		1.015	0.0154	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 20:10		1.015	0.00363	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 20:10		1.015	3.39	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-19HA

Location Code: WMWMILAP
Collected: 3/9/22 11:43
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05075

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 20:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	0.000396	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	0.0636	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	0.0149	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	0.000560	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	3.65	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:28		1.015	0.00251	mg/L	0.000508	0.001015	
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/10/22 17:58	3/11/22 00:13		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:20	3/17/22 13:20		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	700	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	1020	mg/L		100	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	689	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	10.8	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 22:32	3/15/22 22:32		1	11.6	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-19HA

Location Code: WMWMILAP
Collected: 3/9/22 11:43
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05075

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:50	3/11/22 13:50		10	165	mg/L	5.0	10	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:37	3/22/22 09:37		1	2.40	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:49	3/23/22 15:49		5	110	mg/L	3.0	10	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/9/22 11:40	3/9/22 11:40			1558.26	uS/cm			FA
pH	3/9/22 11:40	3/9/22 11:40			8.07	SU			FA
Temperature	3/9/22 11:40	3/9/22 11:40			16.98	C			FA
Turbidity	3/9/22 11:40	3/9/22 11:40			1.53	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:43
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-19HA

Laboratory ID Number: BC05075

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:43
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-19HA

Laboratory ID Number: BC05075

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:43
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-19HA

Laboratory ID Number: BC05075

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 11:43
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-19HA

Laboratory ID Number: BC05075

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-3

Location Code: WMWMILAPFB
Collected: 3/9/22 12:20
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05076

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 10:52		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 11:41		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	3/17/22 10:40	3/22/22 10:52		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/17/22 10:40	3/22/22 11:41		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/17/22 10:40	3/22/22 11:41		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	3/17/22 10:40	3/22/22 10:52		1	Not Detected	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 10:52		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	3/17/22 10:40	3/22/22 11:41		1.015	0.114	mg/L	0.03045	0.406	J
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Beryllium, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 20:13		1.015	0.000217	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 20:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/19/22 00:27		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:22	3/17/22 13:22		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/11/22 10:40	3/14/22 13:47		1	Not Detected	mg/L		25	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-3

Location Code: WMWMILAPFB
Collected: 3/9/22 12:20
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05076

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/15/22 22:50	3/15/22 22:50		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 13:45	3/11/22 13:45		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:39	3/22/22 09:39		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/23/22 15:51	3/23/22 15:51		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/9/22 12:20
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond Field Blank-3

Laboratory ID Number: BC05076

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Aluminum, Total	mg/L	-0.000102	0.010	0.100	0.0979	0.0969	0.102	0.0850 to 0.115	97.9	70.0 to 130	1.03	20.0
BC05076	Antimony, Total	mg/L	0.000398	0.00100	0.100	0.0894	0.0902	0.0938	0.0850 to 0.115	89.4	70.0 to 130	0.891	20.0
BC05076	Arsenic, Total	mg/L	-0.0000174	0.000176	0.100	0.0988	0.0975	0.102	0.0850 to 0.115	98.8	70.0 to 130	1.32	20.0
BC05076	Barium, Total	mg/L	-0.0000079	0.000200	0.100	0.0948	0.0964	0.0979	0.0850 to 0.115	94.8	70.0 to 130	1.67	20.0
BC05076	Beryllium, Total	mg/L	0.0000199	0.000880	0.100	0.0890	0.0893	0.0937	0.0850 to 0.115	89.0	70.0 to 130	0.337	20.0
BC05076	Boron, Total	mg/L	0.000004	0.0650	1.00	0.976	0.962	0.978	0.850 to 1.15	97.6	70.0 to 130	1.44	20.0
BC05076	Cadmium, Total	mg/L	0.0000059	0.000147	0.100	0.0970	0.0958	0.100	0.0850 to 0.115	97.0	70.0 to 130	1.24	20.0
BC05076	Calcium, Total	mg/L	-0.00894	0.152	5.00	4.78	4.62	4.88	4.25 to 5.75	95.6	70.0 to 130	3.40	20.0
BC05076	Chloride	mg/L	-0.00495	1.00	10.0	10.1	9.84	10.1	9.00 to 11.0	101	80.0 to 120	2.61	20.0
BC05076	Chromium, Total	mg/L	0.0000215	0.000440	0.100	0.0964	0.0976	0.100	0.0850 to 0.115	96.2	70.0 to 130	1.24	20.0
BC05076	Cobalt, Total	mg/L	0.0000085	0.000147	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05076	Fluoride	mg/L	-0.0313	0.125	2.50	2.55	2.48	2.50	2.25 to 2.75	102	80.0 to 120	2.78	20.0
BC05076	Iron, Total	mg/L	-0.000562	0.0176	0.2	0.197	0.196	0.199	0.170 to 0.230	98.5	70.0 to 130	0.509	20.0
BC05076	Lead, Total	mg/L	0.0000118	0.000147	0.100	0.0973	0.0992	0.0985	0.0850 to 0.115	97.3	70.0 to 130	1.93	20.0
BC05076	Lithium, Total	mg/L	-0.000138	0.0154	0.200	0.204	0.206	0.201	0.170 to 0.230	102	70.0 to 130	0.976	20.0
BC05076	Magnesium, Total	mg/L	0.00188	0.0462	5.00	5.20	5.18	5.16	4.25 to 5.75	104	70.0 to 130	0.385	20.0
BC05076	Manganese, Total	mg/L	-0.0000019	0.0002	0.100	0.0991	0.0987	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.404	20.0
BC05076	Mercury, Total by CVAA	mg/L	-4.000E-05	0.000500	0.004	0.00398	0.00398	0.00397	0.00340 to 0.00460	99.5	70.0 to 130	0.00	20.0
BC05076	Molybdenum, Total	mg/L	0.0000253	0.0002	0.100	0.0951	0.0938	0.0993	0.0850 to 0.115	95.1	70.0 to 130	1.38	20.0
BC05076	Potassium, Total	mg/L	0.0236	0.367	10.0	9.72	9.67	9.94	8.50 to 11.5	97.2	70.0 to 130	0.516	20.0
BC05076	Selenium, Total	mg/L	-0.000353	0.00100	0.100	0.0979	0.0971	0.103	0.0850 to 0.115	97.9	70.0 to 130	0.821	20.0
BC05076	Silicon, Total	mg/L	0.00024	0.0440	1.00	0.996	0.996	1.01	0.850 to 1.15	99.6	70.0 to 130	0.00	20.0
BC05076	Sodium, Total	mg/L	0.000363	0.0660	5.00	5.12	5.15	5.04	4.25 to 5.75	100	70.0 to 130	0.584	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/9/22 12:20
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond Field Blank-3

Laboratory ID Number: BC05076

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Sulfate	mg/L	0.243	2.0	20.0	20.5	19.8	19.8	18.0 to 22.0	102	80.0 to 120	3.47	20.0
BC05076	Thallium, Total	mg/L	0.0000115	0.000147	0.100	0.0966	0.0983	0.0978	0.0850 to 0.115	96.6	70.0 to 130	1.74	20.0
BC05076	Total Organic Carbon	mg/L	0.320	1.00	10.0	9.24	9.66	9.73		92.4	80.0 to 120	4.44	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAPFB
Sample Date: 3/9/22 12:20
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond Field Blank-3

Laboratory ID Number: BC05076

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05076	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	1.97	0.055	1.90	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC05072	Solids, Dissolved	mg/L	0.0000	25.0			218	50.0	40.0 to 60.0			0.460	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-34H

Location Code: WMWMILAP
Collected: 3/9/22 14:15
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05077

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:05		1.015	0.107	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 11:05		1.015	12.9	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 11:05		1.015	0.0485	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:05		1.015	0.130	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:05		1.015	4.19	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:05		1	15.1	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:05		1.015	7.07	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:30		10.15	361	mg/L	0.3045	4.06	RA
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:31		1.015	0.106	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 10:31		1.015	13.0	mg/L	0.070035	0.406	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:31		1.015	0.0472	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:31		1.015	0.127	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:31		1.015	4.09	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:31		1	15.2	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:31		1.015	7.09	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:07		10.15	339	mg/L	0.3045	4.06	RA
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/11/22 11:09	3/11/22 20:42		1.015	0.00640	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/11/22 11:09	3/11/22 20:42		1.015	0.000674	mg/L	0.000081	0.000203	
* Barium, Total	3/11/22 11:09	3/11/22 20:42		1.015	0.0615	mg/L	0.000102	0.000203	
* Beryllium, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/11/22 11:09	3/11/22 20:42		1.015	0.000208	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/11/22 11:09	3/11/22 20:42		1.015	0.0179	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/11/22 11:09	3/11/22 20:42		1.015	0.00765	mg/L	0.000102	0.000203	
* Potassium, Total	3/11/22 11:09	3/11/22 20:42		1.015	7.18	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Selenium MS & MSD recovery was outside of the specification limit.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-34H

Location Code: WMWMILAP
Collected: 3/9/22 14:15
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05077

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/11/22 11:09	3/11/22 20:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	0.000516	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	0.0647	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	0.0177	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	0.00206	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	7.64	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/11/22 13:40	3/15/22 17:31		1.015	0.00131	mg/L	0.000508	0.001015	R
* Thallium, Dissolved	3/11/22 13:40	3/11/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:10		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:31	3/17/22 13:31		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/14/22 10:15	3/14/22 15:35		1	464	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	909	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	456	mg/L			A
Carbonate Alkalinity, (calc.)	3/14/22 10:15	3/14/22 15:35		1	7.63	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/16/22 00:10	3/16/22 00:10		1	11.9	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Selenium MS & MSD recovery was outside of the specification limit.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-34H

Location Code: WMWMILAP
Collected: 3/9/22 14:15
Customer ID:
Submittal Date: 3/10/22 11:11

Laboratory ID Number: BC05077

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/11/22 14:15	3/11/22 14:15		16	161	mg/L	8.00	16	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:51	3/22/22 09:51		1	0.302	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:50	3/24/22 09:50		10	185	mg/L	6.0	20	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/9/22 14:12	3/9/22 14:12			1427.00	uS/cm			FA
pH	3/9/22 14:12	3/9/22 14:12			8.09	SU			FA
Temperature	3/9/22 14:12	3/9/22 14:12			16.12	C			FA
Turbidity	3/9/22 14:12	3/9/22 14:12			3.13	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Selenium MS & MSD recovery was outside of the specification limit.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 14:15
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-34H

Laboratory ID Number: BC05077

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Aluminum, Dissolved	mg/L	-0.000823	0.010	0.100	0.110	0.105	0.109	0.0850 to 0.115	110	70.0 to 130	4.65	20.0
BC05077	Aluminum, Total	mg/L	0.00152	0.010	0.100	0.0998	0.0978	0.100	0.0850 to 0.115	93.4	70.0 to 130	2.02	20.0
BC05077	Antimony, Dissolved	mg/L	0.000222	0.00100	0.100	0.0917	0.0891	0.0932	0.0850 to 0.115	91.7	70.0 to 130	2.88	20.0
BC05077	Antimony, Total	mg/L	0.000321	0.00100	0.100	0.0957	0.0970	0.0928	0.0850 to 0.115	95.7	70.0 to 130	1.35	20.0
BC05077	Arsenic, Dissolved	mg/L	0.0000046	0.000176	0.100	0.0973	0.0952	0.101	0.0850 to 0.115	96.8	70.0 to 130	2.18	20.0
BC05077	Arsenic, Total	mg/L	0.0000277	0.000176	0.100	0.0951	0.0982	0.0992	0.0850 to 0.115	94.4	70.0 to 130	3.21	20.0
BC05077	Barium, Dissolved	mg/L	0.0000160	0.000200	0.100	0.166	0.162	0.100	0.0850 to 0.115	101	70.0 to 130	2.44	20.0
BC05077	Barium, Total	mg/L	0.0000061	0.000200	0.100	0.155	0.156	0.0960	0.0850 to 0.115	93.5	70.0 to 130	0.643	20.0
BC05077	Beryllium, Dissolved	mg/L	0.0000178	0.000880	0.100	0.116	0.104	0.109	0.0850 to 0.115	116	70.0 to 130	10.9	20.0
BC05077	Beryllium, Total	mg/L	0.0000244	0.000880	0.100	0.0939	0.0930	0.0890	0.0850 to 0.115	93.9	70.0 to 130	0.963	20.0
BC05077	Boron, Dissolved	mg/L	-0.000193	0.0650	1.00	1.14	1.13	1.02	0.850 to 1.15	103	70.0 to 130	0.881	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05077	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.0987	0.0909	0.0989	0.0850 to 0.115	98.7	70.0 to 130	8.23	20.0
BC05077	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.0955	0.0927	0.0974	0.0850 to 0.115	95.5	70.0 to 130	2.98	20.0
BC05077	Calcium, Dissolved	mg/L	-0.0163	0.152	5.00	17.8	17.5	4.87	4.25 to 5.75	96.0	70.0 to 130	1.70	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05077	Chloride	mg/L	-0.0157	1.00	160	315	298	10.1	9.00 to 11.0	96.2	80.0 to 120	5.55	20.0
BC05077	Chromium, Dissolved	mg/L	-0.000106	0.000440	0.100	0.0983	0.0951	0.102	0.0850 to 0.115	98.3	70.0 to 130	3.31	20.0
BC05077	Chromium, Total	mg/L	0.0000388	0.000440	0.100	0.0926	0.0914	0.101	0.0850 to 0.115	92.4	70.0 to 130	1.30	20.0
BC05077	Cobalt, Dissolved	mg/L	-0.0000005	0.000147	0.100	0.101	0.0979	0.104	0.0850 to 0.115	101	70.0 to 130	3.12	20.0
BC05077	Cobalt, Total	mg/L	0.0000048	0.000147	0.100	0.0975	0.0957	0.106	0.0850 to 0.115	97.5	70.0 to 130	1.86	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05077	Iron, Dissolved	mg/L	-0.000384	0.0176	0.2	0.248	0.241	0.199	0.170 to 0.230	100	70.0 to 130	2.86	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Selenium MS & MSD recovery was outside of the specification limit.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 14:15
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-34H

Laboratory ID Number: BC05077

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05077	Lead, Dissolved	mg/L	0.0000104	0.000147	0.100	0.109	0.0948	0.101	0.0850 to 0.115	109	70.0 to 130	13.9	20.0
BC05077	Lead, Total	mg/L	0.0000219	0.000147	0.100	0.0975	0.0972	0.0981	0.0850 to 0.115	97.5	70.0 to 130	0.308	20.0
BC05077	Lithium, Dissolved	mg/L	-0.000318	0.0154	0.200	0.327	0.323	0.200	0.170 to 0.230	100	70.0 to 130	1.23	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05077	Magnesium, Dissolved	mg/L	-0.00178	0.0462	5.00	9.03	8.76	5.10	4.25 to 5.75	98.8	70.0 to 130	3.04	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05077	Manganese, Dissolved	mg/L	0.0000035	0.0002	0.100	0.118	0.113	0.104	0.0850 to 0.115	100	70.0 to 130	4.33	20.0
BC05077	Manganese, Total	mg/L	0.0000562	0.0002	0.100	0.113	0.110	0.103	0.0850 to 0.115	95.1	70.0 to 130	2.69	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05077	Molybdenum, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.0943	0.0998	0.0850 to 0.115	98.9	70.0 to 130	6.86	20.0
BC05077	Molybdenum, Total	mg/L	0.0000388	0.0002	0.100	0.0996	0.101	0.0969	0.0850 to 0.115	92.0	70.0 to 130	1.40	20.0
BC05077	Potassium, Dissolved	mg/L	0.0220	0.367	10.0	18.3	17.9	10.7	8.50 to 11.5	107	70.0 to 130	2.21	20.0
BC05077	Potassium, Total	mg/L	0.0184	0.367	10.0	16.5	16.1	9.93	8.50 to 11.5	93.2	70.0 to 130	2.45	20.0
BC05077	Selenium, Dissolved	mg/L	0.0000682	0.00100	0.100	0.0362	0.0417	0.102	0.0850 to 0.115	34.9	70.0 to 130	14.1	20.0
BC05077	Selenium, Total	mg/L	-0.000475	0.00100	0.100	0.0518	0.0523	0.100	0.0850 to 0.115	51.8	70.0 to 130	0.961	20.0
BC05077	Silicon, Dissolved	mg/L	-0.000427	0.0440	1.00	8.10	8.10	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05077	Sodium, Dissolved	mg/L	0.000048	0.0660	5.00	341	375	5.02	4.25 to 5.75	40.0	70.0 to 130	9.50	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05077	Thallium, Dissolved	mg/L	0.0000019	0.000147	0.100	0.107	0.0955	0.100	0.0850 to 0.115	107	70.0 to 130	11.4	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Selenium MS & MSD recovery was outside of the specification limit.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/9/22 14:15
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-34H

Laboratory ID Number: BC05077

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Thallium, Total	mg/L	0.0000163	0.000147	0.100	0.0985	0.0963	0.0987	0.0850 to 0.115	98.5	70.0 to 130	2.26	20.0
BC05077	Total Organic Carbon	mg/L	0.320	1.00	10.0	22.1	21.7	10.0		102	80.0 to 120	1.83	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.
Selenium MS & MSD recovery was outside of the specification limit.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/9/22 14:15
Customer ID:
Delivery Date: 3/10/22 11:11

Description: Miller Ash Pond - MW-34H

Laboratory ID Number: BC05077

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Alkalinity, Total as CaCO3	mg/L					499	50.9	45.0 to 55.0			7.27	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05460	Solids, Dissolved	mg/L	0.0000	25.0			1200	51.0	40.0 to 60.0			0.837	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified. Selenium MS & MSD recovery was outside of the specification limit.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-33H

Location Code: WMWMILAP
Collected: 3/14/22 11:54
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05459

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:11		1.015	0.715	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:35		10.15	225	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:11		1.015	2.14	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:11		1.015	0.132	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:11		1.015	37.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:11		1	9.27	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:11		1.015	4.33	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:35		10.15	46.2	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:44		1.015	0.729	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:16		10.15	231	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:44		1.015	1.90	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:44		1.015	0.125	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:44		1.015	36.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:44		1	9.33	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:44		1.015	4.36	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:16		10.15	48.2	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:36		1.015	0.0177	mg/L	0.006090	0.01015	
* Arsenic, Total	3/16/22 11:29	3/17/22 19:36		1.015	0.00358	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 19:36		1.015	0.0317	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 19:36		1.015	0.0105	mg/L	0.000068	0.000203	
* Lead, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/21/22 11:29		5.075	3.53	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:36		1.015	0.0186	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 19:36		1.015	10.2	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-33H

Location Code: WMWMILAP
Collected: 3/14/22 11:54
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05459

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	0.00266	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	0.0286	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	0.0104	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/21/22 10:45		5.075	3.63	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	0.0187	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	9.94	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:14		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:33	3/17/22 13:33		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/22/22 13:50	3/22/22 16:06		1	74.7	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	1080	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	74.5	mg/L			A
Carbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	0.21	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 10:09	3/18/22 10:09		1	1.86	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-33H

Location Code: WMWMILAP
Collected: 3/14/22 11:54
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05459

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:06	3/21/22 10:06		2	24.3	mg/L	1.00	2	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:52	3/22/22 09:52		1	0.186	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:51	3/24/22 09:51		32	730	mg/L	19.2	64	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/14/22 11:51	3/14/22 11:51			1179.06	uS/cm			FA
pH	3/14/22 11:51	3/14/22 11:51			6.50	SU			FA
Temperature	3/14/22 11:51	3/14/22 11:51			16.63	C			FA
Turbidity	3/14/22 11:51	3/14/22 11:51			4.32	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 11:54
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-33H

Laboratory ID Number: BC05459

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 11:54
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-33H

Laboratory ID Number: BC05459

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 11:54
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-33H

Laboratory ID Number: BC05459

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/14/22 11:54
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-33H

Laboratory ID Number: BC05459

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05464	Alkalinity, Total as CaCO3	mg/L					100	48.6	45.0 to 55.0			0.995	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05460	Solids, Dissolved	mg/L	0.0000	25.0			1200	51.0	40.0 to 60.0			0.837	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-5

Location Code: WMWMILAP
Collected: 3/14/22 13:05
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05460

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:13		1.015	0.864	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:37		10.15	228	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 12:37		10.15	4.53	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:13		1.015	0.189	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:13		1.015	34.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:13		1	7.98	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:13		1.015	3.73	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:37		10.15	79.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:45		1.015	0.891	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:18		10.15	251	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 12:18		10.15	4.58	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:45		1.015	0.183	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:45		1.015	34.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:45		1	8.22	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:45		1.015	3.84	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:18		10.15	83.3	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/16/22 11:29	3/17/22 19:40		1.015	0.00987	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 19:40		1.015	0.0162	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/21/22 11:33		5.075	1.97	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:40		1.015	0.0753	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 19:40		1.015	9.92	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-5

Location Code: WMWMILAP
Collected: 3/14/22 13:05
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05460

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	0.00979	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	0.0171	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/21/22 10:49		5.075	1.92	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	0.0772	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	9.82	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:18		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:34	3/17/22 13:34		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/22/22 13:50	3/22/22 16:06		1	90.4	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	1190	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	89.8	mg/L			A
Carbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	0.52	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 10:24	3/18/22 10:24		1	1.48	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-5

Location Code: WMWMILAP
Collected: 3/14/22 13:05
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05460

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:07	3/21/22 10:07		2	26.1	mg/L	1.00	2	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:53	3/22/22 09:53		1	0.405	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:52	3/24/22 09:52		32	810	mg/L	19.2	64	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/14/22 13:02	3/14/22 13:02			1511.60	uS/cm			FA
pH	3/14/22 13:02	3/14/22 13:02			6.92	SU			FA
Temperature	3/14/22 13:02	3/14/22 13:02			16.08	C			FA
Turbidity	3/14/22 13:02	3/14/22 13:02			0.31	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5

Laboratory ID Number: BC05460

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5

Laboratory ID Number: BC05460

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5

Laboratory ID Number: BC05460

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5

Laboratory ID Number: BC05460

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05464	Alkalinity, Total as CaCO3	mg/L					100	48.6	45.0 to 55.0			0.995	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05460	Solids, Dissolved	mg/L	0.0000	25.0			1200	51.0	40.0 to 60.0			0.837	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-5 DUP

Location Code: WMWMILAP
Collected: 3/14/22 13:05
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05461

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:15		1.015	0.867	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:39		10.15	250	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 12:39		10.15	4.68	mg/L	0.08120	0.406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:15		1.015	0.184	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:15		1.015	34.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:15		1	7.98	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:15		1.015	3.73	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:39		10.15	88.8	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:47		1.015	0.893	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:20		10.15	258	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 12:20		10.15	4.55	mg/L	0.08120	0.406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:47		1.015	0.184	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:47		1.015	34.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:47		1	8.24	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:47		1.015	3.85	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:20		10.15	85.3	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/16/22 11:29	3/17/22 19:43		1.015	0.00988	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 19:43		1.015	0.0162	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/21/22 11:37		5.075	2.01	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:43		1.015	0.0762	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 19:43		1.015	9.69	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-5 DUP

Location Code: WMWMILAP
Collected: 3/14/22 13:05
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05461

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	0.0101	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	0.0168	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/21/22 10:53		5.075	1.92	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	0.0773	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	9.70	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:22		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:36	3/17/22 13:36		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/22/22 13:50	3/22/22 16:06		1	82.8	mg/L		0.10	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	1190	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	82.4	mg/L			A
Carbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	0.36	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 10:39	3/18/22 10:39		1	1.74	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-5 DUP

Location Code: WMWMILAP
Collected: 3/14/22 13:05
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05461

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/21/22 10:08	3/21/22 10:08		2	26.5	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 09:54	3/22/22 09:54		1	0.370	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/24/22 09:54	3/24/22 09:54		32	792	mg/L	19.2	64	
Analytical Method: Field Measurements		***Analyst: DKG***							
Conductivity	3/14/22 13:02	3/14/22 13:02			1511.60	uS/cm			FA
pH	3/14/22 13:02	3/14/22 13:02			6.92	SU			FA
Temperature	3/14/22 13:02	3/14/22 13:02			16.08	C			FA
Turbidity	3/14/22 13:02	3/14/22 13:02			0.31	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: BC05461

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: BC05461

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: BC05461

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/14/22 13:05
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-5 DUP

Laboratory ID Number: BC05461

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05464	Alkalinity, Total as CaCO3	mg/L					100	48.6	45.0 to 55.0			0.995	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - PZ-5

Location Code: WMWMILAP
Collected: 3/14/22 14:58
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05462

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:17		1.015	0.245	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 11:17		1.015	6.95	mg/L	0.070035	0.406	
* Iron, Total	3/17/22 10:40	3/22/22 11:17		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/17/22 10:40	3/22/22 11:17		1.015	0.143	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:17		1.015	2.74	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:17		1	9.24	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:17		1.015	4.32	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:41		10.15	322	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:49		1.015	0.249	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 10:49		1.015	7.74	mg/L	0.070035	0.406	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:49		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:49		1.015	0.133	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:49		1.015	2.66	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:49		1	9.50	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:49		1.015	4.44	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:22		10.15	333	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:47		1.015	0.0138	mg/L	0.006090	0.01015	
* Arsenic, Total	3/16/22 11:29	3/17/22 19:47		1.015	0.0000882	mg/L	0.000081	0.000203	J
* Barium, Total	3/16/22 11:29	3/17/22 19:47		1.015	0.267	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:47		1.015	0.000240	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/17/22 19:47		1.015	0.0104	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:47		1.015	0.000335	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 19:47		1.015	2.44	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - PZ-5

Location Code: WMWMILAP
Collected: 3/14/22 14:58
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05462

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	0.0139	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	0.265	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	0.0106	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	0.000308	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	2.52	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	0.0351	mg/L	0.000508	0.001015	
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:26		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:38	3/17/22 13:38		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/22/22 13:50	3/22/22 16:06		1	681	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	748	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	662	mg/L			A
Carbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	18.8	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 10:54	3/18/22 10:54		1	2.57	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - PZ-5

Location Code: WMWMILAP
Collected: 3/14/22 14:58
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05462

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:09	3/21/22 10:09		3	30.7	mg/L	1.50	3	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:56	3/22/22 09:56		1	2.28	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:55	3/24/22 09:55		2	51.7	mg/L	1.2	4	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/14/22 14:55	3/14/22 14:55			1231.92	uS/cm			FA
pH	3/14/22 14:55	3/14/22 14:55			8.47	SU			FA
Temperature	3/14/22 14:55	3/14/22 14:55			16.78	C			FA
Turbidity	3/14/22 14:55	3/14/22 14:55			0.01	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:58
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: BC05462

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:58
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: BC05462

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:58
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: BC05462

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:58
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - PZ-5

Laboratory ID Number: BC05462

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05464	Alkalinity, Total as CaCO3	mg/L					100	48.6	45.0 to 55.0			0.995	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4

Location Code: WMWMILAP
Collected: 3/15/22 08:49
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05463

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:19		1.015	0.423	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:43		10.15	159	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:19		1.015	0.135	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:19		1.015	0.0575	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:19		1.015	32.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:19		1	12.2	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:19		1.015	5.72	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:19		1.015	31.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:51		1.015	0.429	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:24		10.15	177	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:51		1.015	0.120	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:51		1.015	0.0553	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:51		1.015	31.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:51		1	12.3	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:51		1.015	5.76	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:51		1.015	30.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:50		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:50		1.015	0.00980	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/16/22 11:29	3/17/22 19:50		1.015	0.000199	mg/L	0.000081	0.000203	J
* Barium, Total	3/16/22 11:29	3/17/22 19:50		1.015	0.0137	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:50		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:50		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 19:50		1.015	0.00390	mg/L	0.000068	0.000203	
* Lead, Total	3/16/22 11:29	3/17/22 19:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/21/22 11:40		5.075	2.54	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:50		1.015	0.000110	mg/L	0.000102	0.000203	J
* Potassium, Total	3/16/22 11:29	3/17/22 19:50		1.015	7.92	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4

Location Code: WMWMILAP
Collected: 3/15/22 08:49
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05463

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:50		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:50		1.015	0.0000705	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	0.000139	mg/L	0.000081	0.000203	J
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	0.0135	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	0.00404	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/21/22 10:56		5.075	2.54	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	8.07	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	0.00232	mg/L	0.000508	0.001015	
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:44		1.015	0.0000723	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:30		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:40	3/17/22 13:40		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/22/22 13:50	3/22/22 16:06		1	97.9	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	800	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	97.2	mg/L			A
Carbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	0.63	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 11:12	3/18/22 11:12		1	1.47	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4

Location Code: WMWMILAP
Collected: 3/15/22 08:49
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05463

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:10	3/21/22 10:10		1	19.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:57	3/22/22 09:57		1	0.154	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:56	3/24/22 09:56		25	475	mg/L	15.0	50	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/15/22 08:46	3/15/22 08:46			1065.32	uS/cm			FA
pH	3/15/22 08:46	3/15/22 08:46			6.27	SU			FA
Temperature	3/15/22 08:46	3/15/22 08:46			18.36	C			FA
Turbidity	3/15/22 08:46	3/15/22 08:46			0.57	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 08:49
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4

Laboratory ID Number: BC05463

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 08:49
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4

Laboratory ID Number: BC05463

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 08:49
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4

Laboratory ID Number: BC05463

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/15/22 08:49
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4

Laboratory ID Number: BC05463

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05464	Alkalinity, Total as CaCO3	mg/L					100	48.6	45.0 to 55.0			0.995	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4V

Location Code: WMWMILAP
Collected: 3/15/22 09:38
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05464

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:20		1.015	0.642	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:45		10.15	226	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:20		1.015	2.18	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:20		1.015	0.120	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:45		10.15	43.6	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:20		1	11.2	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:20		1.015	5.22	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:45		10.15	47.7	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:53		1.015	0.660	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:25		10.15	251	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:53		1.015	2.23	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:53		1.015	0.110	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 12:25		10.15	45.4	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:53		1	11.4	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:53		1.015	5.34	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:25		10.15	51.4	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/16/22 11:29	3/17/22 19:54		1.015	0.00165	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 19:54		1.015	0.0183	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:54		1.015	0.000322	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/16/22 11:29	3/17/22 19:54		1.015	0.0130	mg/L	0.000068	0.000203	
* Lead, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/21/22 11:44		5.075	2.57	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:54		1.015	0.00749	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 19:54		1.015	8.13	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4V

Location Code: WMWMILAP
Collected: 3/15/22 09:38
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05464

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	0.00157	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	0.0181	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	0.0133	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/21/22 11:00		5.075	2.50	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	0.00791	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	8.06	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	0.00120	mg/L	0.000508	0.001015	
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:34		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:41	3/17/22 13:41		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/22/22 13:50	3/22/22 16:06		1	101	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	1070	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	100	mg/L			A
Carbonate Alkalinity, (calc.)	3/22/22 13:50	3/22/22 16:06		1	0.64	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 11:30	3/18/22 11:30		1	1.36	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4V

Location Code: WMWMILAP
Collected: 3/15/22 09:38
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05464

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:12	3/21/22 10:12		2	23.7	mg/L	1.00	2	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:58	3/22/22 09:58		1	0.244	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:57	3/24/22 09:57		32	702	mg/L	19.2	64	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/15/22 09:35	3/15/22 09:35			1384.38	uS/cm			FA
pH	3/15/22 09:35	3/15/22 09:35			6.68	SU			FA
Temperature	3/15/22 09:35	3/15/22 09:35			17.96	C			FA
Turbidity	3/15/22 09:35	3/15/22 09:35			0.31	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V

Laboratory ID Number: BC05464

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V

Laboratory ID Number: BC05464

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V

Laboratory ID Number: BC05464

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V

Laboratory ID Number: BC05464

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05464	Alkalinity, Total as CaCO3	mg/L					100	48.6	45.0 to 55.0			0.995	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4V DUP

Location Code: WMWMILAP
Collected: 3/15/22 09:38
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05465

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:22		1.015	0.645	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:46		10.15	219	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:22		1.015	2.17	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:22		1.015	0.118	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:46		10.15	41.9	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:22		1	11.3	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:22		1.015	5.28	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:46		10.15	45.2	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:55		1.015	0.657	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:27		10.15	239	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:55		1.015	2.20	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:55		1.015	0.110	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:55		1.015	39.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:55		1	11.5	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:55		1.015	5.36	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:27		10.15	48.5	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/16/22 11:29	3/17/22 19:58		1.015	0.00136	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 19:58		1.015	0.0179	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 19:58		1.015	0.0132	mg/L	0.000068	0.000203	
* Lead, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/21/22 11:47		5.075	2.53	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/16/22 11:29	3/17/22 19:58		1.015	0.00752	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 19:58		1.015	8.10	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4V DUP

Location Code: WMWMILAP
Collected: 3/15/22 09:38
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05465

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 19:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	0.00164	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	0.0182	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	0.0134	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/21/22 11:04		5.075	2.44	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	0.00783	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	8.07	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	0.000736	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:38		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:42	3/17/22 13:42		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	106	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	1100	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	106	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	0.42	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 11:48	3/18/22 11:48		1	1.23	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-4V DUP

Location Code: WMWMILAP
Collected: 3/15/22 09:38
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05465

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:13	3/21/22 10:13		2	23.7	mg/L	1.00	2	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 09:59	3/22/22 09:59		1	0.255	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 09:58	3/24/22 09:58		32	715	mg/L	19.2	64	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/15/22 09:35	3/15/22 09:35			1384.38	uS/cm			FA
pH	3/15/22 09:35	3/15/22 09:35			6.68	SU			FA
Temperature	3/15/22 09:35	3/15/22 09:35			17.96	C			FA
Turbidity	3/15/22 09:35	3/15/22 09:35			0.31	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V DUP

Laboratory ID Number: BC05465

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V DUP

Laboratory ID Number: BC05465

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V DUP

Laboratory ID Number: BC05465

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:38
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-4V DUP

Laboratory ID Number: BC05465

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-27HR

Location Code: WMWMILAP
Collected: 3/14/22 12:18
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05466

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:24		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 12:48		10.15	44.5	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:24		1.015	0.698	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:24		1.015	0.0415	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:24		1.015	15.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:24		1	29.5	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:24		1.015	13.8	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:48		10.15	38.3	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:57		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:29		10.15	47.2	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:57		1.015	0.450	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:57		1.015	0.0385	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:57		1.015	15.1	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:57		1	30.2	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:57		1.015	14.1	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:57		1.015	39.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 20:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.0242	mg/L	0.006090	0.01015	
* Arsenic, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.000265	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.0875	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 20:01		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 20:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.000357	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/16/22 11:29	3/17/22 20:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.000101	mg/L	0.000068	0.000203	J
* Manganese, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.0242	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/16/22 11:29	3/17/22 20:01		1.015	0.000701	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 20:01		1.015	2.23	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-27HR

Location Code: WMWMILAP
Collected: 3/14/22 12:18
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05466

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 20:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 20:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	0.000210	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	0.0854	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	0.0241	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	0.000666	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	2.25	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	0.000529	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:42		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:43	3/17/22 13:43		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	184	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	314	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	183	mg/L			
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	1.22	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 12:08	3/18/22 12:08		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-27HR

Location Code: WMWMILAP
Collected: 3/14/22 12:18
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05466

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:15	3/21/22 10:15		1	15.5	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:00	3/22/22 10:00		1	0.116	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 10:00	3/24/22 10:00		2	65.4	mg/L	1.2	4	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/14/22 12:15	3/14/22 12:15			496.36	uS/cm			FA
pH	3/14/22 12:15	3/14/22 12:15			7.17	SU			FA
Temperature	3/14/22 12:15	3/14/22 12:15			21.54	C			FA
Turbidity	3/14/22 12:15	3/14/22 12:15			3.35	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 12:18
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-27HR

Laboratory ID Number: BC05466

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 12:18
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-27HR

Laboratory ID Number: BC05466

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 12:18
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-27HR

Laboratory ID Number: BC05466

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/14/22 12:18
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-27HR

Laboratory ID Number: BC05466

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-28H

Location Code: WMWMILAP
Collected: 3/14/22 14:40
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05467

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:26		1.015	0.292	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:50		10.15	50.6	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:26		1.015	0.861	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:26		1.015	0.0531	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:26		1.015	26.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:26		1	37.4	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:26		1.015	17.5	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 11:26		1.015	36.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 10:59		1.015	0.309	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:31		10.15	56.6	mg/L	0.70035	4.06	
* Iron, Dissolved	3/17/22 14:16	3/23/22 10:59		1.015	0.880	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 10:59		1.015	0.0499	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 10:59		1.015	25.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 10:59		1	37.7	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 10:59		1.015	17.6	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 10:59		1.015	36.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/16/22 11:29	3/17/22 20:05		1.015	0.00135	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 20:05		1.015	0.0452	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 20:05		1.015	0.000248	mg/L	0.000068	0.000203	
* Lead, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/17/22 20:05		1.015	0.0613	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/16/22 11:29	3/17/22 20:05		1.015	0.00203	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 20:05		1.015	1.98	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-28H

Location Code: WMWMILAP
Collected: 3/14/22 14:40
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05467

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 20:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	0.00134	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	0.0453	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	0.000267	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	0.0645	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	0.00247	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	1.95	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/16/22 13:41	3/17/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 21:46		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: CES***								
* Nitrogen, Nitrate/Nitrite	3/17/22 13:43	3/17/22 13:43		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	210	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	377	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	208	mg/L			
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	2.05	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/18/22 12:28	3/18/22 12:28		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-28H

Location Code: WMWMILAP
Collected: 3/14/22 14:40
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05467

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:16	3/21/22 10:16		1	5.91	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:02	3/22/22 10:02		1	0.111	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 10:01	3/24/22 10:01		10	105	mg/L	6.0	20	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/14/22 14:37	3/14/22 14:37			549.52	uS/cm			FA
pH	3/14/22 14:37	3/14/22 14:37			6.82	SU			FA
Temperature	3/14/22 14:37	3/14/22 14:37			23.16	C			FA
Turbidity	3/14/22 14:37	3/14/22 14:37			1.22	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:40
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-28H

Laboratory ID Number: BC05467

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05077	Boron, Total	mg/L	0.000034	0.0650	1.00	1.09	1.11	0.978	0.850 to 1.15	98.3	70.0 to 130	1.82	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05077	Calcium, Total	mg/L	-0.0138	0.152	5.00	17.9	17.9	4.61	4.25 to 5.75	100	70.0 to 130	0.00	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05467	Fluoride	mg/L	-0.0324	0.125	2.50	2.66	2.67	2.56	2.25 to 2.75	102	80.0 to 120	0.375	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:40
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-28H

Laboratory ID Number: BC05467

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05077	Iron, Total	mg/L	0.000222	0.0176	0.2	0.240	0.244	0.199	0.170 to 0.230	95.8	70.0 to 130	1.65	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05077	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.320	0.329	0.210	0.170 to 0.230	95.0	70.0 to 130	2.77	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05077	Magnesium, Total	mg/L	0.00456	0.0462	5.00	8.98	9.17	5.21	4.25 to 5.75	95.8	70.0 to 130	2.09	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05467	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00401	0.00399	0.00394	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05077	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.90	7.98	1.01	0.850 to 1.15	83.0	70.0 to 130	1.01	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05077	Sodium, Total	mg/L	0.0184	0.0660	5.00	354	356	5.19	4.25 to 5.75	-140	70.0 to 130	0.563	20.0
BC05467	Sulfate	mg/L	-0.0466	2.0	200	322	335	19.8	18.0 to 22.0	108	80.0 to 120	3.96	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:40
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-28H

Laboratory ID Number: BC05467

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/14/22 14:40
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-28H

Laboratory ID Number: BC05467

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05467	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	1.90	0.057	1.82	1.80 to 2.20	95.0	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-2

Location Code: WMWMILAPFB
Collected: 3/14/22 15:45
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05468

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:32		1	Not Detected	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	3/17/22 10:40	3/22/22 11:32		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Beryllium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 20:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:05		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:11	3/23/22 13:11		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	Not Detected	mg/L		25	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-2

Location Code: WMWMILAPFB
Collected: 3/14/22 15:45
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05468

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		***Analyst: ELH***							
* Total Organic Carbon	3/18/22 12:44	3/18/22 12:44		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/21/22 10:18	3/21/22 10:18		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 10:14	3/22/22 10:14		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/24/22 11:47	3/24/22 11:47		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/14/22 15:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond Field Blank-2

Laboratory ID Number: BC05468

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05468	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.0998	0.102	0.102	0.0850 to 0.115	99.8	70.0 to 130	2.18	20.0
BC05468	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0921	0.0954	0.0956	0.0850 to 0.115	92.1	70.0 to 130	3.52	20.0
BC05468	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0986	0.0995	0.100	0.0850 to 0.115	98.6	70.0 to 130	0.909	20.0
BC05468	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.0983	0.0988	0.102	0.0850 to 0.115	98.3	70.0 to 130	0.507	20.0
BC05468	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0930	0.0937	0.0983	0.0850 to 0.115	93.0	70.0 to 130	0.750	20.0
BC05470	Boron, Total	mg/L	0.000034	0.0650	1.00	1.06	1.06	0.978	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05468	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0978	0.101	0.102	0.0850 to 0.115	97.8	70.0 to 130	3.22	20.0
BC05470	Calcium, Total	mg/L	-0.0138	0.152	5.00	108	105	4.61	4.25 to 5.75	198	70.0 to 130	2.82	20.0
BC05468	Chloride	mg/L	0.0399	1.00	10.0	10.1	10.2	10.1	9.00 to 11.0	101	80.0 to 120	0.985	20.0
BC05468	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0996	0.101	0.103	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC05468	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.103	0.105	0.106	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05470	Iron, Total	mg/L	0.000222	0.0176	0.2	5.20	5.12	0.199	0.170 to 0.230	150	70.0 to 130	1.55	20.0
BC05468	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0975	0.0991	0.0970	0.0850 to 0.115	97.5	70.0 to 130	1.63	20.0
BC05470	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.357	0.350	0.210	0.170 to 0.230	100	70.0 to 130	1.98	20.0
BC05470	Magnesium, Total	mg/L	0.00456	0.0462	5.00	30.8	30.7	5.21	4.25 to 5.75	94.0	70.0 to 130	0.325	20.0
BC05468	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.100	0.102	0.104	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05468	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.0993	0.0993	0.101	0.0850 to 0.115	99.3	70.0 to 130	0.00	20.0
BC05468	Potassium, Total	mg/L	0.00671	0.367	10.0	9.92	10.2	10.3	8.50 to 11.5	99.2	70.0 to 130	2.78	20.0
BC05468	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.100	0.102	0.103	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05470	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.17	7.17	1.01	0.850 to 1.15	105	70.0 to 130	0.00	20.0
BC05470	Sodium, Total	mg/L	0.0184	0.0660	5.00	169	155	5.19	4.25 to 5.75	320	70.0 to 130	8.64	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/14/22 15:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond Field Blank-2

Laboratory ID Number: BC05468

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05468	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0977	0.0987	0.0989	0.0850 to 0.115	97.7	70.0 to 130	1.02	20.0
BC05468	Total Organic Carbon	mg/L	0.270	1.00	10.0	9.71	8.96	8.88		97.1	80.0 to 120	8.03	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAPFB
Sample Date: 3/14/22 15:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond Field Blank-2

Laboratory ID Number: BC05468

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-23

Location Code: WMWMILAP
Collected: 3/15/22 09:45
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05469

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:34		1.015	0.709	mg/L	0.030000	0.1015	
* Calcium, Total	3/17/22 10:40	3/22/22 12:58		10.15	117	mg/L	0.70035	4.06	
* Iron, Total	3/17/22 10:40	3/22/22 11:34		1.015	2.00	mg/L	0.008120	0.0406	
* Lithium, Total	3/17/22 10:40	3/22/22 11:34		1.015	0.911	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 12:58		10.15	42.7	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:34		1	16.3	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:34		1.015	7.64	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 12:56		101.5	1600	mg/L	3.045	40.6	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 11:00		1.015	0.732	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:33		50.75	126	mg/L	3.50175	20.3	RA
* Iron, Dissolved	3/17/22 14:16	3/23/22 11:00		1.015	1.50	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/17/22 14:16	3/23/22 11:00		1.015	0.851	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 12:33		50.75	43.9	mg/L	1.06575	20.3	RA
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 11:00		1	16.5	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 11:00		1.015	7.73	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:33		50.75	1600	mg/L	1.5225	20.3	RA
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.000896	mg/L	0.000508	0.001015	J
* Aluminum, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.0350	mg/L	0.006090	0.01015	
* Arsenic, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.000383	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/21/22 11:51		92.365	11.7	mg/L	0.009236	0.018473	
* Beryllium, Total	3/16/22 11:29	3/17/22 20:30		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 20:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.000390	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.0000781	mg/L	0.000068	0.000203	J
* Lead, Total	3/16/22 11:29	3/17/22 20:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.0977	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/16/22 11:29	3/17/22 20:30		1.015	0.00221	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 20:30		1.015	6.06	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-23

Location Code: WMWMILAP
Collected: 3/15/22 09:45
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05469

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 20:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 20:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	0.000356	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/21/22 11:08		92.365	11.8	mg/L	0.009236	0.018473	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	0.0905	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	0.00174	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	5.90	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/16/22 13:41	3/17/22 18:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:09		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:13	3/23/22 13:13		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	318	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	4680	mg/L		416.7	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	316	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	1.56	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 10:57	3/21/22 10:57		1	1.14	mg/L	1.00	2	J

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Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

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Description: Miller Ash Pond - MW-23

Location Code: WMWMILAP
Collected: 3/15/22 09:45
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05469

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:03	3/21/22 11:03		200	2450	mg/L	100.00	200	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:19	3/22/22 10:19		1	0.403	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:48	3/24/22 11:48		1	0.862	mg/L	0.6	2	J
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/15/22 09:43	3/15/22 09:43			7522.25	uS/cm			FA
pH	3/15/22 09:43	3/15/22 09:43			7.61	SU			FA
Temperature	3/15/22 09:43	3/15/22 09:43			20.30	C			FA
Turbidity	3/15/22 09:43	3/15/22 09:43			3.7	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

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General Test Laboratory
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Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-23

Laboratory ID Number: BC05469

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05469	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.108	0.104	0.105	0.0850 to 0.115	108	70.0 to 130	3.77	20.0
BC05470	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	96.1	70.0 to 130	0.948	20.0
BC05469	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.104	0.103	0.0981	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC05470	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0969	0.0964	0.0956	0.0850 to 0.115	96.9	70.0 to 130	0.517	20.0
BC05469	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.104	0.101	0.103	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC05470	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0975	0.0961	0.100	0.0850 to 0.115	95.4	70.0 to 130	1.45	20.0
BC05469	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	11.6	11.7	0.102	0.0850 to 0.115	-200	70.0 to 130	0.858	20.0
BC05470	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.214	0.215	0.102	0.0850 to 0.115	94.0	70.0 to 130	0.466	20.0
BC05469	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.111	0.110	0.0997	0.0850 to 0.115	111	70.0 to 130	0.905	20.0
BC05470	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0952	0.0926	0.0983	0.0850 to 0.115	95.2	70.0 to 130	2.77	20.0
BC05469	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.79	1.78	1.01	0.850 to 1.15	106	70.0 to 130	0.560	20.0
BC05470	Boron, Total	mg/L	0.000034	0.0650	1.00	1.06	1.06	0.978	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05469	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0985	0.0989	0.103	0.0850 to 0.115	98.5	70.0 to 130	0.405	20.0
BC05470	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0940	0.0918	0.102	0.0850 to 0.115	94.0	70.0 to 130	2.37	20.0
BC05469	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	136	130	4.94	4.25 to 5.75	200	70.0 to 130	4.51	20.0
BC05470	Calcium, Total	mg/L	-0.0138	0.152	5.00	108	105	4.61	4.25 to 5.75	198	70.0 to 130	2.82	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05469	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.102	0.0977	0.106	0.0850 to 0.115	102	70.0 to 130	4.31	20.0
BC05470	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0971	0.0950	0.103	0.0850 to 0.115	95.1	70.0 to 130	2.19	20.0
BC05469	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.102	0.0995	0.111	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC05470	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.100	0.0976	0.106	0.0850 to 0.115	99.6	70.0 to 130	2.43	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05469	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	1.70	1.69	0.203	0.170 to 0.230	100	70.0 to 130	0.590	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

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Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-23

Laboratory ID Number: BC05469

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05470	Iron, Total	mg/L	0.000222	0.0176	0.2	5.20	5.12	0.199	0.170 to 0.230	150	70.0 to 130	1.55	20.0
BC05469	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0970	0.0974	0.0985	0.0850 to 0.115	97.0	70.0 to 130	0.412	20.0
BC05470	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0937	0.0939	0.0970	0.0850 to 0.115	93.7	70.0 to 130	0.213	20.0
BC05469	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	1.07	1.06	0.192	0.170 to 0.230	110	70.0 to 130	0.939	20.0
BC05470	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.357	0.350	0.210	0.170 to 0.230	100	70.0 to 130	1.98	20.0
BC05469	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	51.1	48.7	5.03	4.25 to 5.75	144	70.0 to 130	4.81	20.0
BC05470	Magnesium, Total	mg/L	0.00456	0.0462	5.00	30.8	30.7	5.21	4.25 to 5.75	94.0	70.0 to 130	0.325	20.0
BC05469	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.190	0.186	0.108	0.0850 to 0.115	99.5	70.0 to 130	2.13	20.0
BC05470	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.192	0.190	0.104	0.0850 to 0.115	94.7	70.0 to 130	1.05	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05469	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.103	0.103	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05470	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.104	0.102	0.101	0.0850 to 0.115	98.3	70.0 to 130	1.94	20.0
BC05469	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	15.3	10.6	8.50 to 11.5	98.0	70.0 to 130	2.58	20.0
BC05470	Potassium, Total	mg/L	0.00671	0.367	10.0	16.0	16.0	10.3	8.50 to 11.5	97.6	70.0 to 130	0.00	20.0
BC05469	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.101	0.102	0.109	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC05470	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.0956	0.0952	0.103	0.0850 to 0.115	95.6	70.0 to 130	0.419	20.0
BC05469	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	8.84	8.82	1.03	0.850 to 1.15	111	70.0 to 130	0.227	20.0
BC05470	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.17	7.17	1.01	0.850 to 1.15	105	70.0 to 130	0.00	20.0
BC05469	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	1650	1580	4.97	4.25 to 5.75	1000	70.0 to 130	4.33	20.0
BC05470	Sodium, Total	mg/L	0.0184	0.0660	5.00	169	155	5.19	4.25 to 5.75	320	70.0 to 130	8.64	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05469	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0990	0.0986	0.101	0.0850 to 0.115	99.0	70.0 to 130	0.405	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

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Version: 3.5
COA_CCR

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Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-23

Laboratory ID Number: BC05469

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05470	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0969	0.0963	0.0989	0.0850 to 0.115	96.9	70.0 to 130	0.621	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

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Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/15/22 09:45
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-23

Laboratory ID Number: BC05469

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

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General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-1

Location Code: WMWMILAP
Collected: 3/15/22 11:10
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05470

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/17/22 10:40	3/22/22 11:35		1.015	0.0528	mg/L	0.030000	0.1015	J
* Calcium, Total	3/17/22 10:40	3/22/22 13:00		10.15	98.1	mg/L	0.70035	4.06	RA
* Iron, Total	3/17/22 10:40	3/22/22 13:00		10.15	4.90	mg/L	0.08120	0.406	RA
* Lithium, Total	3/17/22 10:40	3/22/22 11:35		1.015	0.156	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/17/22 10:40	3/22/22 11:35		1.015	26.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/17/22 10:40	3/22/22 11:35		1	13.1	mg/L			
Silicon, Total	3/17/22 10:40	3/22/22 11:35		1.015	6.12	mg/L	0.02030	0.25375	
* Sodium, Total	3/17/22 10:40	3/22/22 13:00		10.15	153	mg/L	0.3045	4.06	RA
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/17/22 14:16	3/23/22 11:18		1.015	0.0604	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/17/22 14:16	3/23/22 12:42		10.15	178	mg/L	0.70035	4.06	RA
* Iron, Dissolved	3/17/22 14:16	3/23/22 12:42		10.15	9.91	mg/L	0.08120	0.406	RA
* Lithium, Dissolved	3/17/22 14:16	3/23/22 11:18		1.015	0.194	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/17/22 14:16	3/23/22 11:18		1.015	34.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/17/22 14:16	3/23/22 11:18		1	14.1	mg/L			
Silicon, Dissolved	3/17/22 14:16	3/23/22 11:18		1.015	6.59	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/17/22 14:16	3/23/22 12:42		10.15	158	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/16/22 11:29	3/17/22 20:34		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.00992	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.00210	mg/L	0.000081	0.000203	
* Barium, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.120	mg/L	0.000102	0.000203	
* Beryllium, Total	3/16/22 11:29	3/17/22 20:34		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/16/22 11:29	3/17/22 20:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.00199	mg/L	0.000203	0.001015	
* Cobalt, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.000381	mg/L	0.000068	0.000203	
* Lead, Total	3/16/22 11:29	3/17/22 20:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.0973	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/16/22 11:29	3/17/22 20:34		1.015	0.00568	mg/L	0.000102	0.000203	
* Potassium, Total	3/16/22 11:29	3/17/22 20:34		1.015	6.24	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-1

Location Code: WMWMILAP
Collected: 3/15/22 11:10
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05470

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/16/22 11:29	3/17/22 20:34		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/16/22 11:29	3/17/22 20:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: ABB***								
* Antimony, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	0.00175	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	0.167	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	0.000867	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	0.275	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	0.00505	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	6.54	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/16/22 13:41	3/17/22 18:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:13		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:14	3/23/22 13:14		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	225	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/16/22 11:00	3/17/22 13:20		1	897	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	222	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	3.02	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 11:19	3/21/22 11:19		1	1.75	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-1

Location Code: WMWMILAP
Collected: 3/15/22 11:10
Customer ID:
Submittal Date: 3/15/22 15:31

Laboratory ID Number: BC05470

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:54	3/21/22 10:54		1	10.4	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:17	3/22/22 10:17		1	0.142	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:49	3/24/22 11:49		25	512	mg/L	15.0	50	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/15/22 11:05	3/15/22 11:05			1056.93	uS/cm			FA
pH	3/15/22 11:05	3/15/22 11:05			8.71	SU			FA
Temperature	3/15/22 11:05	3/15/22 11:05			16.62	C			FA
Turbidity	3/15/22 11:05	3/15/22 11:05			5.43	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 11:10
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-1

Laboratory ID Number: BC05470

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05470	Aluminum, Dissolved	mg/L	-0.000880	0.010	0.100	0.0927	0.0986	0.105	0.0850 to 0.115	92.7	70.0 to 130	6.17	20.0
BC05470	Aluminum, Total	mg/L	-0.000449	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	96.1	70.0 to 130	0.948	20.0
BC05470	Antimony, Dissolved	mg/L	0.000396	0.00100	0.100	0.0926	0.0929	0.0981	0.0850 to 0.115	92.6	70.0 to 130	0.323	20.0
BC05470	Antimony, Total	mg/L	0.000280	0.00100	0.100	0.0969	0.0964	0.0956	0.0850 to 0.115	96.9	70.0 to 130	0.517	20.0
BC05470	Arsenic, Dissolved	mg/L	-0.0000073	0.000176	0.100	0.0989	0.0999	0.103	0.0850 to 0.115	97.2	70.0 to 130	1.01	20.0
BC05470	Arsenic, Total	mg/L	-0.0000172	0.000176	0.100	0.0975	0.0961	0.100	0.0850 to 0.115	95.4	70.0 to 130	1.45	20.0
BC05470	Barium, Dissolved	mg/L	0.0000154	0.000200	0.100	0.254	0.259	0.102	0.0850 to 0.115	87.0	70.0 to 130	1.95	20.0
BC05470	Barium, Total	mg/L	-0.0000211	0.000200	0.100	0.214	0.215	0.102	0.0850 to 0.115	94.0	70.0 to 130	0.466	20.0
BC05470	Beryllium, Dissolved	mg/L	0.0000186	0.000880	0.100	0.0967	0.0973	0.0997	0.0850 to 0.115	96.7	70.0 to 130	0.619	20.0
BC05470	Beryllium, Total	mg/L	0.0000224	0.000880	0.100	0.0952	0.0926	0.0983	0.0850 to 0.115	95.2	70.0 to 130	2.77	20.0
BC05470	Boron, Dissolved	mg/L	0.000007	0.0650	1.00	1.09	1.08	1.01	0.850 to 1.15	103	70.0 to 130	0.922	20.0
BC05470	Boron, Total	mg/L	0.000034	0.0650	1.00	1.06	1.06	0.978	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC05470	Cadmium, Dissolved	mg/L	0.00000	0.000147	0.100	0.0926	0.0938	0.103	0.0850 to 0.115	92.6	70.0 to 130	1.29	20.0
BC05470	Cadmium, Total	mg/L	0.00000	0.000147	0.100	0.0940	0.0918	0.102	0.0850 to 0.115	94.0	70.0 to 130	2.37	20.0
BC05470	Calcium, Dissolved	mg/L	-0.0138	0.152	5.00	182	185	4.94	4.25 to 5.75	80.0	70.0 to 130	1.63	20.0
BC05470	Calcium, Total	mg/L	-0.0138	0.152	5.00	108	105	4.61	4.25 to 5.75	198	70.0 to 130	2.82	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05470	Chromium, Dissolved	mg/L	-0.0000686	0.000440	0.100	0.0933	0.0975	0.106	0.0850 to 0.115	93.3	70.0 to 130	4.40	20.0
BC05470	Chromium, Total	mg/L	-0.0000549	0.000440	0.100	0.0971	0.0950	0.103	0.0850 to 0.115	95.1	70.0 to 130	2.19	20.0
BC05470	Cobalt, Dissolved	mg/L	-0.0000022	0.000147	0.100	0.0980	0.101	0.111	0.0850 to 0.115	97.1	70.0 to 130	3.02	20.0
BC05470	Cobalt, Total	mg/L	-0.0000023	0.000147	0.100	0.100	0.0976	0.106	0.0850 to 0.115	99.6	70.0 to 130	2.43	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05470	Iron, Dissolved	mg/L	-0.0004	0.0176	0.2	9.98	9.99	0.203	0.170 to 0.230	35.0	70.0 to 130	0.100	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 11:10
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-1

Laboratory ID Number: BC05470

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05470	Iron, Total	mg/L	0.000222	0.0176	0.2	5.20	5.12	0.199	0.170 to 0.230	150	70.0 to 130	1.55	20.0
BC05470	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.0942	0.0969	0.0985	0.0850 to 0.115	94.2	70.0 to 130	2.83	20.0
BC05470	Lead, Total	mg/L	0.0000026	0.000147	0.100	0.0937	0.0939	0.0970	0.0850 to 0.115	93.7	70.0 to 130	0.213	20.0
BC05470	Lithium, Dissolved	mg/L	-0.000216	0.0154	0.200	0.396	0.394	0.192	0.170 to 0.230	101	70.0 to 130	0.506	20.0
BC05470	Lithium, Total	mg/L	-0.000184	0.0154	0.200	0.357	0.350	0.210	0.170 to 0.230	100	70.0 to 130	1.98	20.0
BC05470	Magnesium, Dissolved	mg/L	-0.00563	0.0462	5.00	38.9	39.3	5.03	4.25 to 5.75	92.0	70.0 to 130	1.02	20.0
BC05470	Magnesium, Total	mg/L	0.00456	0.0462	5.00	30.8	30.7	5.21	4.25 to 5.75	94.0	70.0 to 130	0.325	20.0
BC05470	Manganese, Dissolved	mg/L	0.0000155	0.0002	0.100	0.361	0.372	0.108	0.0850 to 0.115	86.0	70.0 to 130	3.00	20.0
BC05470	Manganese, Total	mg/L	0.0000129	0.0002	0.100	0.192	0.190	0.104	0.0850 to 0.115	94.7	70.0 to 130	1.05	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05470	Molybdenum, Dissolved	mg/L	0.000003	0.0002	0.100	0.101	0.0995	0.106	0.0850 to 0.115	96.0	70.0 to 130	1.50	20.0
BC05470	Molybdenum, Total	mg/L	0.0000148	0.0002	0.100	0.104	0.102	0.101	0.0850 to 0.115	98.3	70.0 to 130	1.94	20.0
BC05470	Potassium, Dissolved	mg/L	0.000346	0.367	10.0	15.7	16.3	10.6	8.50 to 11.5	91.6	70.0 to 130	3.75	20.0
BC05470	Potassium, Total	mg/L	0.00671	0.367	10.0	16.0	16.0	10.3	8.50 to 11.5	97.6	70.0 to 130	0.00	20.0
BC05470	Selenium, Dissolved	mg/L	0.0000469	0.00100	0.100	0.0952	0.0962	0.109	0.0850 to 0.115	95.2	70.0 to 130	1.04	20.0
BC05470	Selenium, Total	mg/L	0.0000954	0.00100	0.100	0.0956	0.0952	0.103	0.0850 to 0.115	95.6	70.0 to 130	0.419	20.0
BC05470	Silicon, Dissolved	mg/L	0.000265	0.0440	1.00	7.54	7.52	1.03	0.850 to 1.15	95.0	70.0 to 130	0.266	20.0
BC05470	Silicon, Total	mg/L	-0.000225	0.0440	1.00	7.17	7.17	1.01	0.850 to 1.15	105	70.0 to 130	0.00	20.0
BC05470	Sodium, Dissolved	mg/L	0.0394	0.0660	5.00	162	163	4.97	4.25 to 5.75	80.0	70.0 to 130	0.615	20.0
BC05470	Sodium, Total	mg/L	0.0184	0.0660	5.00	169	155	5.19	4.25 to 5.75	320	70.0 to 130	8.64	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05470	Thallium, Dissolved	mg/L	0.0000016	0.000147	0.100	0.0956	0.0971	0.101	0.0850 to 0.115	95.6	70.0 to 130	1.56	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/15/22 11:10
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-1

Laboratory ID Number: BC05470

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05470	Thallium, Total	mg/L	0.0000006	0.000147	0.100	0.0969	0.0963	0.0989	0.0850 to 0.115	96.9	70.0 to 130	0.621	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/15/22 11:10
Customer ID:
Delivery Date: 3/15/22 15:31

Description: Miller Ash Pond - MW-1

Laboratory ID Number: BC05470

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05470	Solids, Dissolved	mg/L	0.0000	25.0			882	51.0	40.0 to 60.0			1.69	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-6

Location Code: WMWMILAP
Collected: 3/16/22 09:05
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05676

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:02		1.015	0.887	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 12:40		20.3	160	mg/L	1.4007	8.12	
* Iron, Total	3/28/22 15:00	3/29/22 12:40		20.3	28.3	mg/L	0.1624	0.812	
* Lithium, Total	3/28/22 15:00	3/29/22 10:02		1.015	0.0731	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:02		1.015	31.8	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:02		1	14.5	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:02		1.015	6.79	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:40		20.3	51.4	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:34		1.015	0.894	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:30		20.3	156	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 13:30		20.3	27.0	mg/L	0.1624	0.812	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:34		1.015	0.0714	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:34		1.015	31.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:34		1	14.6	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:34		1.015	6.80	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:30		20.3	49.6	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 17:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 17:47		1.015	0.0128	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 17:47		1.015	0.000115	mg/L	0.000081	0.000203	J
* Barium, Total	3/21/22 10:00	3/21/22 17:47		1.015	0.0228	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 17:47		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 17:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 17:47		1.015	0.000232	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 17:47		1.015	0.00531	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 17:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/22/22 12:55		10.15	6.41	mg/L	0.001522	0.00203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 17:47		1.015	0.00145	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 17:47		1.015	6.33	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-6

Location Code: WMWMILAP
Collected: 3/16/22 09:05
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05676

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 17:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 17:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	0.000107	mg/L	0.000081	0.000203	J
* Barium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	0.0240	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	0.00422	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/22/22 12:29		10.15	6.56	mg/L	0.001522	0.00203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	0.00148	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	6.41	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 15:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:17		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:16	3/23/22 13:16		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	44.2	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	894	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	44.2	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	0.01	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 01:37	3/21/22 01:37		1	1.25	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-6

Location Code: WMWMILAP
Collected: 3/16/22 09:05
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05676

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:56	3/21/22 10:56		3	33.2	mg/L	1.50	3	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:18	3/22/22 10:18		1	0.155	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:50	3/24/22 11:50		32	587	mg/L	19.2	64	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/16/22 09:02	3/16/22 09:02			1208.97	uS/cm			FA
pH	3/16/22 09:02	3/16/22 09:02			6.07	SU			FA
Temperature	3/16/22 09:02	3/16/22 09:02			17.04	C			FA
Turbidity	3/16/22 09:02	3/16/22 09:02			3.15	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 09:05
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6

Laboratory ID Number: BC05676

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 09:05
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6

Laboratory ID Number: BC05676

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 09:05
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6

Laboratory ID Number: BC05676

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 09:05
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6

Laboratory ID Number: BC05676

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05676	Solids, Dissolved	mg/L	1.00	25.0			861	52.0	40.0 to 60.0			3.76	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-6V

Location Code: WMWMILAP
Collected: 3/16/22 10:49
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05677

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:03		1.015	0.499	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 12:42		20.3	99.9	mg/L	1.4007	8.12	
* Iron, Total	3/28/22 15:00	3/29/22 10:03		1.015	1.67	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:03		1.015	0.0970	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:03		1.015	29.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:03		1	18.0	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:03		1.015	8.40	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:42		20.3	66.2	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:36		1.015	0.497	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:32		20.3	103	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:36		1.015	1.48	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:36		1.015	0.0943	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:36		1.015	28.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:36		1	17.6	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:36		1.015	8.24	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:32		20.3	68.1	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 17:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.00959	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.00161	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.0281	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 17:51		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 17:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.000222	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.000213	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 17:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.508	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 17:51		1.015	0.00644	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 17:51		1.015	2.27	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-6V

Location Code: WMWMILAP
Collected: 3/16/22 10:49
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05677

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 17:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 17:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	0.00116	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	0.0302	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	0.000180	mg/L	0.000068	0.000203	J
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	0.509	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	0.00666	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	2.35	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:21		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:18	3/23/22 13:18		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	222	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	592	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	222	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	0.42	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 11:54	3/21/22 11:54		1	1.41	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-6V

Location Code: WMWMILAP
Collected: 3/16/22 10:49
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05677

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:57	3/21/22 10:57		3	27.7	mg/L	1.50	3	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:20	3/22/22 10:20		1	0.145	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:51	3/24/22 11:51		16	266	mg/L	9.6	32	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/16/22 10:46	3/16/22 10:46			950.99	uS/cm			FA
pH	3/16/22 10:46	3/16/22 10:46			7.17	SU			FA
Temperature	3/16/22 10:46	3/16/22 10:46			17.43	C			FA
Turbidity	3/16/22 10:46	3/16/22 10:46			1.76	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6V

Laboratory ID Number: BC05677

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6V

Laboratory ID Number: BC05677

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6V

Laboratory ID Number: BC05677

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-6V

Laboratory ID Number: BC05677

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-3S

Location Code: WMWMILAP
Collected: 3/16/22 12:42
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05678

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:05		1.015	0.276	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 10:05		1.015	5.38	mg/L	0.070035	0.406	
* Iron, Total	3/28/22 15:00	3/29/22 10:05		1.015	0.0198	mg/L	0.008120	0.0406	J
* Lithium, Total	3/28/22 15:00	3/29/22 10:05		1.015	0.271	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:05		1.015	1.93	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:05		1	10.1	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:05		1.015	4.71	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:44		20.3	251	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:38		1.015	0.273	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 11:38		1.015	5.25	mg/L	0.070035	0.406	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:38		1.015	0.0146	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:38		1.015	0.262	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:38		1.015	1.91	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:38		1	9.84	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:38		1.015	4.60	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:34		20.3	260	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 17:54		1.015	0.0170	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 17:54		1.015	0.000737	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 17:54		1.015	0.149	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 17:54		1.015	0.000339	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 17:54		1.015	0.00588	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 17:54		1.015	0.0488	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 17:54		1.015	3.77	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-3S

Location Code: WMWMILAP
Collected: 3/16/22 12:42
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05678

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 17:54		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	0.0121	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	0.000674	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	0.154	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	0.00546	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	0.0494	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	3.67	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:25		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:20	3/23/22 13:20		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	252	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	698	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	227	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	24.5	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 12:09	3/21/22 12:09		1	2.46	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-3S

Location Code: WMWMILAP
Collected: 3/16/22 12:42
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05678

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 10:58	3/21/22 10:58		5	79.4	mg/L	2.50	5	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:21	3/22/22 10:21		1	0.309	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:53	3/24/22 11:53		16	227	mg/L	9.6	32	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/16/22 12:39	3/16/22 12:39			1141.44	uS/cm			FA
pH	3/16/22 12:39	3/16/22 12:39			9.05	SU			FA
Temperature	3/16/22 12:39	3/16/22 12:39			16.91	C			FA
Turbidity	3/16/22 12:39	3/16/22 12:39			0.23	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 12:42
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: BC05678

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 12:42
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: BC05678

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 12:42
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: BC05678

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 12:42
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3S

Laboratory ID Number: BC05678

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-4

Location Code: WMWMILAPFB
Collected: 3/16/22 13:25
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05679

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:07		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/28/22 15:00	3/29/22 10:07		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	3/28/22 15:00	3/29/22 10:07		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/28/22 15:00	3/29/22 10:07		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/28/22 15:00	3/29/22 10:07		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:07		1	Not Detected	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:07		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	3/28/22 15:00	3/29/22 10:07		1.015	0.0495	mg/L	0.03045	0.406	J
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Beryllium, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 17:58		1.015	0.000259	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 17:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:29		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:22	3/23/22 13:22		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	Not Detected	mg/L		25	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-4

Location Code: WMWMILAPFB
Collected: 3/16/22 13:25
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05679

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		***Analyst: ELH***							
* Total Organic Carbon	3/21/22 12:26	3/21/22 12:26		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/21/22 10:59	3/21/22 10:59		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 10:23	3/22/22 10:23		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/24/22 11:54	3/24/22 11:54		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/16/22 13:25
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Field Blank-4

Laboratory ID Number: BC05679

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/16/22 13:25
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Field Blank-4

Laboratory ID Number: BC05679

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAPFB
Sample Date: 3/16/22 13:25
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Field Blank-4

Laboratory ID Number: BC05679

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-3D

Location Code: WMWMILAP
Collected: 3/16/22 14:00
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05680

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:09		1.015	0.428	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 12:46		20.3	116	mg/L	1.4007	8.12	
* Iron, Total	3/28/22 15:00	3/29/22 10:09		1.015	2.33	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:09		1.015	0.0914	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:09		1.015	28.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:09		1	11.4	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:09		1.015	5.33	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:46		20.3	74.3	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:40		1.015	0.431	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:36		20.3	117	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:40		1.015	2.00	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:40		1.015	0.0902	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:40		1.015	27.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:40		1	11.3	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:40		1.015	5.28	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:36		20.3	75.8	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:01		1.015	0.0205	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 18:01		1.015	0.0107	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:01		1.015	0.0247	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:01		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:01		1.015	0.000327	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:01		1.015	0.00378	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 18:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:01		1.015	1.24	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:01		1.015	0.0266	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:01		1.015	6.03	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-3D

Location Code: WMWMILAP
Collected: 3/16/22 14:00
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05680

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	0.00936	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	0.0243	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	0.000272	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	0.00345	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	1.19	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	0.0261	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	5.96	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:33		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:24	3/23/22 13:24		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	217	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	698	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	216	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	1.04	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 12:41	3/21/22 12:41		1	2.08	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-3D

Location Code: WMWMILAP
Collected: 3/16/22 14:00
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05680

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:00	3/21/22 11:00		1	15.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:24	3/22/22 10:24		1	0.388	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:55	3/24/22 11:55		20	352	mg/L	12.0	40	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/16/22 13:56	3/16/22 13:56			1029.04	uS/cm			FA
pH	3/16/22 13:56	3/16/22 13:56			7.04	SU			FA
Temperature	3/16/22 13:56	3/16/22 13:56			17.55	C			FA
Turbidity	3/16/22 13:56	3/16/22 13:56			3.78	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: BC05680

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: BC05680

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: BC05680

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-3D

Laboratory ID Number: BC05680

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-2

Location Code: WMWMILAP
Collected: 3/16/22 15:43
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05681

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:11		1.015	0.165	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 12:47		101.5	239	mg/L	7.0035	40.6	
* Iron, Total	3/28/22 15:00	3/29/22 12:47		101.5	172	mg/L	0.8120	4.06	
* Lithium, Total	3/28/22 15:00	3/29/22 10:11		1.015	0.211	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 12:47		101.5	149	mg/L	2.1315	40.6	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:11		1	20.0	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:11		1.015	9.36	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:47		101.5	131	mg/L	3.045	40.6	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:41		1.015	0.167	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:38		101.5	240	mg/L	7.0035	40.6	
* Iron, Dissolved	3/28/22 15:00	3/29/22 13:38		101.5	183	mg/L	0.8120	4.06	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:41		1.015	0.209	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 13:38		101.5	150	mg/L	2.1315	40.6	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:41		1	20.2	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:41		1.015	9.46	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:38		101.5	129	mg/L	3.045	40.6	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:05		1.015	0.0117	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 18:05		1.015	0.00394	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:05		1.015	0.0147	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/21/22 10:00	3/21/22 18:05		1.015	0.0444	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/22/22 12:58		5.075	3.37	mg/L	0.000761	0.001015	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:05		1.015	0.00207	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:05		1.015	4.12	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-2

Location Code: WMWMILAP
Collected: 3/16/22 15:43
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05681

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	0.0108	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	0.00381	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	0.0153	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	0.0475	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/22/22 12:33		5.075	3.38	mg/L	0.000761	0.001015	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	0.00213	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	4.25	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:37		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:26	3/23/22 13:26		1	0.271	mg/L as N	0.20	0.3	J
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/25/22 09:45	3/25/22 12:15		1	24.2	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	2420	mg/L		125	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	24.2	mg/L			A
Carbonate Alkalinity, (calc.)	3/25/22 09:45	3/25/22 12:15		1	0.00	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 12:59	3/21/22 12:59		1	2.65	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-2

Location Code: WMWMILAP
Collected: 3/16/22 15:43
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05681

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:02	3/21/22 11:02		1	6.88	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:25	3/22/22 10:25		1	0.268	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:56	3/24/22 11:56		50	1630	mg/L	30.0	100	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/16/22 15:40	3/16/22 15:40			2749.84	uS/cm			FA
pH	3/16/22 15:40	3/16/22 15:40			6.14	SU			FA
Temperature	3/16/22 15:40	3/16/22 15:40			18.45	C			FA
Turbidity	3/16/22 15:40	3/16/22 15:40			0.15	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 15:43
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-2

Laboratory ID Number: BC05681

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 15:43
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-2

Laboratory ID Number: BC05681

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 15:43
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-2

Laboratory ID Number: BC05681

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 15:43
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-2

Laboratory ID Number: BC05681

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05681	Alkalinity, Total as CaCO3	mg/L					23.8	51.1	45.0 to 55.0			1.67	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10

Location Code: WMWMILAP
Collected: 3/17/22 07:56
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05682

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:13		1.015	5.81	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 12:49		20.3	76.4	mg/L	1.4007	8.12	
* Iron, Total	3/28/22 15:00	3/29/22 10:13		1.015	1.66	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:13		1.015	0.174	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:13		1.015	35.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:13		1	21.0	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:13		1.015	9.79	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:49		20.3	291	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:43		1.015	5.87	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:40		20.3	78.6	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:43		1.015	1.54	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:43		1.015	0.175	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:43		1.015	35.8	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:43		1	21.0	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:43		1.015	9.79	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:40		20.3	307	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.0100	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.0610	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.0106	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.0000862	mg/L	0.000068	0.000203	J
* Chromium, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.00139	mg/L	0.000203	0.001015	
* Cobalt, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.000905	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 18:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.520	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:09		1.015	0.751	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:09		1.015	6.27	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10

Location Code: WMWMILAP
Collected: 3/17/22 07:56
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05682

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.0621	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.00983	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.0000767	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.000217	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.000764	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.509	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	0.748	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	6.34	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 22:41		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:27	3/23/22 13:27		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	225	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	1230	mg/L		100	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	223	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	2.40	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 13:17	3/21/22 13:17		1	1.71	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10

Location Code: WMWMILAP
Collected: 3/17/22 07:56
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05682

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:04	3/21/22 11:04		1	4.75	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:26	3/22/22 10:26		1	1.86	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 11:57	3/24/22 11:57		40	735	mg/L	24.0	80	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/17/22 07:53	3/17/22 07:53			1779.08	uS/cm			FA
pH	3/17/22 07:53	3/17/22 07:53			7.24	SU			FA
Temperature	3/17/22 07:53	3/17/22 07:53			15.79	C			FA
Turbidity	3/17/22 07:53	3/17/22 07:53			3.44	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 07:56
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-10

Laboratory ID Number: BC05682

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05682	Fluoride	mg/L	-0.0264	0.125	2.50	4.33	4.33	2.58	2.25 to 2.75	98.8	80.0 to 120	0.00	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 07:56
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-10

Laboratory ID Number: BC05682

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05682	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00398	0.00404	0.00394	0.00340 to 0.00460	99.5	70.0 to 130	1.50	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05682	Sulfate	mg/L	0.232	2.0	800	1570	1550	20.3	18.0 to 22.0	104	80.0 to 120	1.28	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 07:56
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-10

Laboratory ID Number: BC05682

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/17/22 07:56
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-10

Laboratory ID Number: BC05682

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05682	Nitrogen, Nitrate/Nitrite	mg/L as N	0.02	0.200	2.00	2.04	0.021	1.98	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-21

Location Code: WMWMILAP
Collected: 3/17/22 09:28
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05683

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:15		1.015	0.0890	mg/L	0.030000	0.1015	J
* Calcium, Total	3/28/22 15:00	3/29/22 12:51		20.3	54.6	mg/L	1.4007	8.12	
* Iron, Total	3/28/22 15:00	3/29/22 10:15		1.015	0.360	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:15		1.015	0.0540	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:15		1.015	16.8	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:15		1	17.8	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:15		1.015	8.32	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:51		20.3	84.6	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:45		1.015	0.0894	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:42		20.3	54.8	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:45		1.015	0.304	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:45		1.015	0.0543	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:45		1.015	16.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:45		1	17.9	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:45		1.015	8.37	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:42		20.3	85.5	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.0206	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.00137	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.142	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.000243	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.0000753	mg/L	0.000068	0.000203	J
* Lead, Total	3/21/22 10:00	3/21/22 18:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.0901	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:12		1.015	0.000500	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:12		1.015	3.57	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-21

Location Code: WMWMILAP
Collected: 3/17/22 09:28
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05683

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	0.00112	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	0.140	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	0.000214	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	0.0876	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	0.000332	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	3.52	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	0.000879	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:08		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:37	3/23/22 13:37		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	265	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	460	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	262	mg/L			
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	2.52	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 13:38	3/21/22 13:38		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-21

Location Code: WMWMILAP
Collected: 3/17/22 09:28
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05683

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:05	3/21/22 11:05		1	11.1	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:38	3/22/22 10:38		1	0.127	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 12:48	3/24/22 12:48		8	137	mg/L	4.8	16	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/17/22 09:25	3/17/22 09:25			734.05	uS/cm			FA
pH	3/17/22 09:25	3/17/22 09:25			7.72	SU			FA
Temperature	3/17/22 09:25	3/17/22 09:25			17.70	C			FA
Turbidity	3/17/22 09:25	3/17/22 09:25			0.83	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:28
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-21

Laboratory ID Number: BC05683

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05683	Chloride	mg/L	0.00672	1.00	10.0	21.3	21.3	10.1	9.00 to 11.0	102	80.0 to 120	0.00	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:28
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-21

Laboratory ID Number: BC05683

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:28
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-21

Laboratory ID Number: BC05683

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05683	Total Organic Carbon	mg/L	0.310	1.00	10.0	10.6	10.8	9.90		106	80.0 to 120	1.87	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:28
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-21

Laboratory ID Number: BC05683

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-37H

Location Code: WMWMILAP
Collected: 3/17/22 10:49
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05684

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:17		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/28/22 15:00	3/29/22 10:17		1.015	38.2	mg/L	0.070035	0.406	
* Iron, Total	3/28/22 15:00	3/29/22 10:17		1.015	0.478	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:17		1.015	0.0588	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:17		1.015	13.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:17		1	24.8	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:17		1.015	11.6	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:53		20.3	58.6	mg/L	0.609	8.12	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:47		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	3/28/22 15:00	3/29/22 11:47		1.015	38.3	mg/L	0.070035	0.406	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:47		1.015	0.337	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:47		1.015	0.0581	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 11:47		1.015	13.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:47		1	24.6	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:47		1.015	11.5	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:43		20.3	62.1	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:16		1.015	0.00105	mg/L	0.000508	0.001015	
* Aluminum, Total	3/21/22 10:00	3/21/22 18:16		1.015	0.00625	mg/L	0.006090	0.01015	J
* Arsenic, Total	3/21/22 10:00	3/21/22 18:16		1.015	0.00148	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:16		1.015	0.103	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:16		1.015	0.000204	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:16		1.015	0.0135	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/21/22 10:00	3/21/22 18:16		1.015	2.09	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-37H

Location Code: WMWMILAP
Collected: 3/17/22 10:49
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05684

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	0.000705	mg/L	0.000508	0.001015	J
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	0.000603	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	0.105	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	0.0136	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	2.05	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:12		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:38	3/23/22 13:38		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	250	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	305	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	246	mg/L			
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	3.84	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 15:02	3/21/22 15:02		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-37H

Location Code: WMWMILAP
Collected: 3/17/22 10:49
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05684

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:53	3/21/22 11:53		1	10.9	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:39	3/22/22 10:39		1	0.132	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 12:49	3/24/22 12:49		1	36.0	mg/L	0.6	2	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	3/17/22 10:46	3/17/22 10:46			498.16	uS/cm			FA
pH	3/17/22 10:46	3/17/22 10:46			7.12	SU			FA
Temperature	3/17/22 10:46	3/17/22 10:46			17.67	C			FA
Turbidity	3/17/22 10:46	3/17/22 10:46			1.89	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-37H

Laboratory ID Number: BC05684

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-37H

Laboratory ID Number: BC05684

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-37H

Laboratory ID Number: BC05684

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/17/22 10:49
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-37H

Laboratory ID Number: BC05684

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-30H

Location Code: WMWMILAP
Collected: 3/16/22 11:10
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05685

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:18		1.015	0.0394	mg/L	0.030000	0.1015	J
* Calcium, Total	3/28/22 15:00	3/29/22 12:55		20.3	198	mg/L	1.4007	8.12	RA
* Iron, Total	3/28/22 15:00	3/29/22 10:18		1.015	2.37	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:18		1.015	0.0880	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 12:55		20.3	89.4	mg/L	0.4263	8.12	RA
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:18		1	22.7	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:18		1.015	10.6	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 12:55		20.3	130	mg/L	0.609	8.12	RA
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:49		1.015	0.0385	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:45		20.3	201	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 11:49		1.015	2.19	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:49		1.015	0.0866	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 13:45		20.3	90.7	mg/L	0.4263	8.12	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:49		1	22.5	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:49		1.015	10.5	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:45		20.3	131	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 18:20		1.015	0.00110	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:20		1.015	0.0214	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:20		1.015	0.000215	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:20		1.015	0.122	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:20		1.015	0.00234	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:20		1.015	15.7	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-30H

Location Code: WMWMILAP
Collected: 3/16/22 11:10
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05685

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	0.000718	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	0.0222	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	0.119	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	0.00117	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	15.2	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:16		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:40	3/23/22 13:40		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	250	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	1380	mg/L		100	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	249	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	0.51	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 15:18	3/21/22 15:18		1	4.82	mg/L	1.00	2	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-30H

Location Code: WMWMILAP
Collected: 3/16/22 11:10
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05685

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/21/22 11:54	3/21/22 11:54		10	99.5	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 10:40	3/22/22 10:40		1	0.142	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/24/22 12:50	3/24/22 12:50		32	761	mg/L	19.2	64	
Analytical Method: Field Measurements		***Analyst: AWG***							
Conductivity	3/16/22 11:07	3/16/22 11:07			1784.20	uS/cm			FA
pH	3/16/22 11:07	3/16/22 11:07			6.72	SU			FA
Temperature	3/16/22 11:07	3/16/22 11:07			16.70	C			FA
Turbidity	3/16/22 11:07	3/16/22 11:07			1.97	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:10
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-30H

Laboratory ID Number: BC05685

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05685	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.0991	0.102	0.104	0.0850 to 0.115	99.1	70.0 to 130	2.88	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05685	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0956	0.0957	0.0950	0.0850 to 0.115	95.6	70.0 to 130	0.105	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05685	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.0998	0.100	0.104	0.0850 to 0.115	98.7	70.0 to 130	0.200	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05685	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.114	0.114	0.0997	0.0850 to 0.115	92.6	70.0 to 130	0.00	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05685	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0904	0.0897	0.0982	0.0850 to 0.115	90.4	70.0 to 130	0.777	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05685	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.04	1.05	0.985	0.850 to 1.15	100	70.0 to 130	0.957	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05685	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.0958	0.0958	0.106	0.0850 to 0.115	95.8	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05685	Calcium, Total	mg/L	-0.000866	0.152	5.00	201	197	4.78	4.25 to 5.75	60.0	70.0 to 130	2.01	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05685	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0943	0.0962	0.102	0.0850 to 0.115	94.1	70.0 to 130	1.99	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05685	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.0963	0.0977	0.105	0.0850 to 0.115	96.3	70.0 to 130	1.44	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:10
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-30H

Laboratory ID Number: BC05685

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Iron, Total	mg/L	-0.000366	0.0176	0.2	2.55	2.54	0.196	0.170 to 0.230	90.0	70.0 to 130	0.393	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05685	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0973	0.0991	0.0989	0.0850 to 0.115	97.3	70.0 to 130	1.83	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05685	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.287	0.295	0.202	0.170 to 0.230	99.5	70.0 to 130	2.75	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05685	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	94.0	91.5	5.09	4.25 to 5.75	92.0	70.0 to 130	2.70	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05685	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.213	0.220	0.104	0.0850 to 0.115	91.0	70.0 to 130	3.23	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05685	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0980	0.0965	0.100	0.0850 to 0.115	95.7	70.0 to 130	1.54	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05685	Potassium, Total	mg/L	0.00208	0.367	10.0	24.9	25.4	10.5	8.50 to 11.5	92.0	70.0 to 130	1.99	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05685	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.0980	0.0998	0.105	0.0850 to 0.115	98.0	70.0 to 130	1.82	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05685	Silicon, Total	mg/L	-0.000676	0.0440	1.00	11.5	11.5	1.02	0.850 to 1.15	90.0	70.0 to 130	0.00	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05685	Sodium, Total	mg/L	0.000376	0.0660	5.00	134	131	5.08	4.25 to 5.75	80.0	70.0 to 130	2.26	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:10
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-30H

Laboratory ID Number: BC05685

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05685	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:10
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-30H

Laboratory ID Number: BC05685

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-11

Location Code: WMWMILAP
Collected: 3/16/22 13:27
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05686

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:31		1.015	0.0357	mg/L	0.030000	0.1015	J
* Calcium, Total	3/28/22 15:00	3/29/22 13:08		10.15	173	mg/L	0.70035	4.06	
* Iron, Total	3/28/22 15:00	3/29/22 13:08		10.15	4.74	mg/L	0.08120	0.406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:31		1.015	0.172	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 13:08		10.15	81.3	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:31		1	13.4	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:31		1.015	6.27	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:08		10.15	65.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 11:51		1.015	0.0358	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:47		20.3	176	mg/L	1.4007	8.12	
* Iron, Dissolved	3/28/22 15:00	3/29/22 13:47		20.3	4.79	mg/L	0.1624	0.812	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 11:51		1.015	0.153	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 13:47		20.3	86.8	mg/L	0.4263	8.12	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 11:51		1	14.1	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 11:51		1.015	6.59	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:47		20.3	63.8	mg/L	0.609	8.12	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 18:41		1.015	0.000117	mg/L	0.000081	0.000203	J
* Barium, Total	3/21/22 10:00	3/21/22 18:41		1.015	0.0310	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:41		1.015	0.000274	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:41		1.015	0.102	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:41		1.015	0.000387	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:41		1.015	8.83	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-11

Location Code: WMWMILAP
Collected: 3/16/22 13:27
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05686

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	0.0000929	mg/L	0.000081	0.000203	J
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	0.0233	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	0.104	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	0.000319	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	6.68	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:20		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:42	3/23/22 13:42		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	201	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	1120	mg/L		75.8	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	200	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	1.24	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 15:39	3/21/22 15:39		1	1.99	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-11

Location Code: WMWMILAP
Collected: 3/16/22 13:27
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05686

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:55	3/21/22 11:55		1	7.08	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:41	3/22/22 10:41		1	0.107	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 12:51	3/24/22 12:51		25	707	mg/L	15.0	50	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/16/22 13:23	3/16/22 13:23			1284.22	uS/cm			FA
pH	3/16/22 13:23	3/16/22 13:23			6.94	SU			FA
Temperature	3/16/22 13:23	3/16/22 13:23			17.60	C			FA
Turbidity	3/16/22 13:23	3/16/22 13:23			3.34	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-11

Laboratory ID Number: BC05686

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05686	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.0960	0.0932	0.103	0.0850 to 0.115	96.0	70.0 to 130	2.96	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05686	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.0980	0.0954	0.0944	0.0850 to 0.115	98.0	70.0 to 130	2.69	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05686	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.100	0.0987	0.103	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05686	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	0.119	0.119	0.102	0.0850 to 0.115	95.7	70.0 to 130	0.00	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05686	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.0907	0.0907	0.0905	0.0850 to 0.115	90.7	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05686	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.06	1.04	0.986	0.850 to 1.15	102	70.0 to 130	1.90	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05686	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.0967	0.0965	0.104	0.0850 to 0.115	96.7	70.0 to 130	0.207	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05686	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	180	180	4.83	4.25 to 5.75	80.0	70.0 to 130	0.00	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05686	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0950	0.0930	0.103	0.0850 to 0.115	95.0	70.0 to 130	2.13	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05686	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.0966	0.0951	0.106	0.0850 to 0.115	96.6	70.0 to 130	1.56	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05686	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	4.98	5.00	0.198	0.170 to 0.230	95.0	70.0 to 130	0.401	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-11

Laboratory ID Number: BC05686

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05686	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0962	0.0973	0.0984	0.0850 to 0.115	96.2	70.0 to 130	1.14	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05686	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.355	0.355	0.200	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05686	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	92.5	91.3	5.13	4.25 to 5.75	114	70.0 to 130	1.31	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05686	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.202	0.196	0.105	0.0850 to 0.115	98.0	70.0 to 130	3.02	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05686	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.0961	0.0951	0.0983	0.0850 to 0.115	95.8	70.0 to 130	1.05	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05686	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	16.5	16.4	10.6	8.50 to 11.5	98.2	70.0 to 130	0.608	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05686	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.100	0.102	0.105	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05686	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	7.63	7.62	0.991	0.850 to 1.15	104	70.0 to 130	0.131	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05686	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	68.6	68.0	5.04	4.25 to 5.75	96.0	70.0 to 130	0.878	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05686	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.100	0.100	0.102	0.0850 to 0.115	100	70.0 to 130	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-11

Laboratory ID Number: BC05686

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-11

Laboratory ID Number: BC05686

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-5

Location Code: WMWMILAPFB
Collected: 3/16/22 15:50
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05687

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:33		1	Not Detected	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	3/28/22 15:00	3/29/22 10:33		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Beryllium, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:45		1.015	0.000270	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:24		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:44	3/23/22 13:44		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	Not Detected	mg/L		25	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Field Blank-5

Location Code: WMWMILAPFB
Collected: 3/16/22 15:50
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05687

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		***Analyst: ELH***							
* Total Organic Carbon	3/21/22 15:55	3/21/22 15:55		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/21/22 11:57	3/21/22 11:57		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 10:43	3/22/22 10:43		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/24/22 12:52	3/24/22 12:52		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/16/22 15:50
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Field Blank-5

Laboratory ID Number: BC05687

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPFB
Sample Date: 3/16/22 15:50
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Field Blank-5

Laboratory ID Number: BC05687

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAPFB
Sample Date: 3/16/22 15:50
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Field Blank-5

Laboratory ID Number: BC05687

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-36HR

Location Code: WMWMILAP
Collected: 3/16/22 16:57
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05688

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:35		1.015	0.132	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 10:35		1.015	32.6	mg/L	0.070035	0.406	
* Iron, Total	3/28/22 15:00	3/29/22 10:35		1.015	0.421	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:35		1.015	0.294	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:35		1.015	11.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:35		1	12.3	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:35		1.015	5.77	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:10		50.75	723	mg/L	1.5225	20.3	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:04		1.015	0.122	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 12:04		1.015	30.2	mg/L	0.070035	0.406	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:04		1.015	0.364	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:04		1.015	0.272	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 12:04		1.015	11.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:04		1	12.3	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:04		1.015	5.76	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:57		101.5	710	mg/L	3.045	40.6	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 18:49		1.015	0.00633	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:49		1.015	0.0536	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	3/21/22 10:00	3/21/22 18:49		1.015	0.000142	mg/L	0.000068	0.000203	J
* Lead, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:49		1.015	0.0505	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:49		1.015	0.0981	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:49		1.015	29.2	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-36HR

Location Code: WMWMILAP
Collected: 3/16/22 16:57
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05688

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	0.00537	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	0.0502	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	0.000144	mg/L	0.000068	0.000203	J
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	0.0492	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	0.0930	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	27.1	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:28		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:46	3/23/22 13:46		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	291	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	2080	mg/L		178.6	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	288	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	2.97	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 16:10	3/21/22 16:10		1	1.59	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-36HR

Location Code: WMWMILAP
Collected: 3/16/22 16:57
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05688

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:58	3/21/22 11:58		40	471	mg/L	20.00	40	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:44	3/22/22 10:44		1	0.400	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 12:54	3/24/22 12:54		25	746	mg/L	15.0	50	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/16/22 16:54	3/16/22 16:54			3306.39	uS/cm			FA
pH	3/16/22 16:54	3/16/22 16:54			7.51	SU			FA
Temperature	3/16/22 16:54	3/16/22 16:54			16.97	C			FA
Turbidity	3/16/22 16:54	3/16/22 16:54			1.63	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 16:57
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-36HR

Laboratory ID Number: BC05688

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 16:57
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-36HR

Laboratory ID Number: BC05688

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 16:57
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-36HR

Laboratory ID Number: BC05688

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 16:57
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-36HR

Laboratory ID Number: BC05688

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-31H

Location Code: WMWMILAP
Collected: 3/16/22 19:27
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05689

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:37		1.015	0.0311	mg/L	0.030000	0.1015	J
* Calcium, Total	3/28/22 15:00	3/29/22 13:12		10.15	129	mg/L	0.70035	4.06	
* Iron, Total	3/28/22 15:00	3/29/22 10:37		1.015	0.873	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:37		1.015	0.117	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 13:12		10.15	52.3	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:37		1	20.0	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:37		1.015	9.33	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:12		10.15	78.1	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:06		1.015	0.0319	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/28/22 15:00	3/29/22 13:58		10.15	130	mg/L	0.70035	4.06	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:06		1.015	0.731	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:06		1.015	0.115	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 13:58		10.15	53.0	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:06		1	20.1	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:06		1.015	9.37	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 13:58		10.15	80.7	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 18:52		1.015	0.000395	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:52		1.015	0.0361	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 18:52		1.015	0.000211	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:52		1.015	0.0358	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:52		1.015	0.000320	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:52		1.015	3.71	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-31H

Location Code: WMWMILAP
Collected: 3/16/22 19:27
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05689

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	0.000321	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	0.0376	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	0.000219	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	0.0370	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	0.000366	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	3.81	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 16:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:32		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:48	3/23/22 13:48		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	290	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	856	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	288	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	2.20	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 16:30	3/21/22 16:30		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-31H

Location Code: WMWMILAP
Collected: 3/16/22 19:27
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05689

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 11:59	3/21/22 11:59		1	14.1	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:45	3/22/22 10:45		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 12:55	3/24/22 12:55		20	414	mg/L	12.0	40	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/16/22 19:25	3/16/22 19:25			1167.96	uS/cm			FA
pH	3/16/22 19:25	3/16/22 19:25			6.94	SU			FA
Temperature	3/16/22 19:25	3/16/22 19:25			16.07	C			FA
Turbidity	3/16/22 19:25	3/16/22 19:25			2.58	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 19:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-31H

Laboratory ID Number: BC05689

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 19:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-31H

Laboratory ID Number: BC05689

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 19:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-31H

Laboratory ID Number: BC05689

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 19:27
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-31H

Laboratory ID Number: BC05689

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-12

Location Code: WMWMILAP
Collected: 3/17/22 09:40
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05690

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***					***Preparation Method: EPA 1638***			
* Boron, Total	3/28/22 15:00	3/29/22 10:38		1.015	7.07	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 13:13		50.75	102	mg/L	3.50175	20.3	
* Iron, Total	3/28/22 15:00	3/29/22 10:38		1.015	3.10	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:38		1.015	0.104	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 13:13		50.75	57.9	mg/L	1.06575	20.3	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:38		1	11.9	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:38		1.015	5.54	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:13		50.75	783	mg/L	1.5225	20.3	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:08		1.015	7.17	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 14:00		50.75	94.6	mg/L	3.50175	20.3	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:08		1.015	3.21	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:08		1.015	0.0960	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 14:00		50.75	54.4	mg/L	1.06575	20.3	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:08		1	11.3	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:08		1.015	5.26	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 14:00		50.75	756	mg/L	1.5225	20.3	
Analytical Method: EPA 200.8	***Analyst: ABB***					***Preparation Method: EPA 1638***			
* Antimony, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.000583	mg/L	0.000508	0.001015	J
* Aluminum, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.0385	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.00780	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.0149	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 18:56		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.000160	mg/L	0.000068	0.000203	J
* Chromium, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.000480	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.00116	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 18:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 18:56		1.015	0.909	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 18:56		1.015	1.17	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 18:56		1.015	14.1	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-12

Location Code: WMWMILAP
Collected: 3/17/22 09:40
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05690

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 18:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 18:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	0.00835	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	0.0133	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	0.000133	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	0.000245	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	0.00113	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	0.933	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	1.22	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	14.4	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 17:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:36		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:50	3/23/22 13:50		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	259	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	2580	mg/L		178.6	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	257	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	1.64	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 16:45	3/21/22 16:45		1	1.91	mg/L	1.00	2	J

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-12

Location Code: WMWMILAP
Collected: 3/17/22 09:40
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05690

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 12:00	3/21/22 12:00		1	8.05	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:46	3/22/22 10:46		1	1.21	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 13:12	3/24/22 13:12		50	1730	mg/L	30.0	100	
Analytical Method: Field Measurements	***Analyst: AWG***								
Conductivity	3/17/22 09:35	3/17/22 09:35			3124.58	uS/cm			FA
pH	3/17/22 09:35	3/17/22 09:35			6.65	SU			FA
Temperature	3/17/22 09:35	3/17/22 09:35			19.38	C			FA
Turbidity	3/17/22 09:35	3/17/22 09:35			1.54	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-12

Laboratory ID Number: BC05690

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-12

Laboratory ID Number: BC05690

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-12

Laboratory ID Number: BC05690

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/17/22 09:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-12

Laboratory ID Number: BC05690

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Equipment Blank-1

Location Code: WMWMILAPEB
Collected: 3/17/22 10:40
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05691

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:40		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	3/28/22 15:00	3/29/22 10:40		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	3/28/22 15:00	3/29/22 10:40		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	3/28/22 15:00	3/29/22 10:40		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	3/28/22 15:00	3/29/22 10:40		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:40		1	Not Detected	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:40		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	3/28/22 15:00	3/29/22 10:40		1.015	0.128	mg/L	0.03045	0.406	J
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Beryllium, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 19:00		1.015	0.000244	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	3/21/22 10:00	3/21/22 19:00		1.015	0.000192	mg/L	0.000102	0.000203	J
* Potassium, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 19:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:40		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:51	3/23/22 13:51		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	Not Detected	mg/L		25	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond Equipment Blank-1

Location Code: WMWMILAPEB
Collected: 3/17/22 10:40
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05691

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		***Analyst: ELH***							
* Total Organic Carbon	3/21/22 17:02	3/21/22 17:02		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		***Analyst: JCC***							
* Chloride	3/21/22 12:01	3/21/22 12:01		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		***Analyst: JCC***							
* Fluoride	3/22/22 10:47	3/22/22 10:47		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		***Analyst: JCC***							
* Sulfate	3/24/22 12:57	3/24/22 12:57		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPEB
Sample Date: 3/17/22 10:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Equipment Blank-1

Laboratory ID Number: BC05691

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAPEB
Sample Date: 3/17/22 10:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Equipment Blank-1

Laboratory ID Number: BC05691

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAPEB
Sample Date: 3/17/22 10:40
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond Equipment Blank-1

Laboratory ID Number: BC05691

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-23A

Location Code: WMWMILAP
Collected: 3/16/22 11:00
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05692

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:42		1.015	0.668	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 13:15		50.75	128	mg/L	3.50175	20.3	
* Iron, Total	3/28/22 15:00	3/29/22 10:42		1.015	0.573	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 11:10		1.015	0.815	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 13:15		50.75	45.6	mg/L	1.06575	20.3	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:42		1	15.9	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:42		1.015	7.44	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:15		50.75	1640	mg/L	1.5225	20.3	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:10		1.015	0.687	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 14:02		50.75	131	mg/L	3.50175	20.3	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:10		1.015	0.478	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:10		1.015	0.823	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 14:02		50.75	47.0	mg/L	1.06575	20.3	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:10		1	16.3	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:10		1.015	7.63	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 14:02		50.75	1680	mg/L	1.5225	20.3	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 19:03		1.015	0.00109	mg/L	0.000508	0.001015	
* Aluminum, Total	3/21/22 10:00	3/21/22 19:03		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 19:03		1.015	0.00449	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/22/22 13:02		10.15	6.68	mg/L	0.001015	0.00203	
* Beryllium, Total	3/21/22 10:00	3/21/22 19:03		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 19:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 19:03		1.015	0.000305	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 19:03		1.015	0.00294	mg/L	0.000068	0.000203	
* Lead, Total	3/21/22 10:00	3/21/22 19:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 19:03		1.015	0.0676	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 19:03		1.015	0.00535	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 19:03		1.015	8.36	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-23A

Location Code: WMWMILAP
Collected: 3/16/22 11:00
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05692

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 19:03		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 19:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	0.000603	mg/L	0.000508	0.001015	J
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	0.00374	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/22/22 12:36		10.15	7.21	mg/L	0.001015	0.00203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	0.00235	mg/L	0.000068	0.000203	
* Lead, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	0.0626	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	0.00463	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	7.96	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 17:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/18/22 23:44		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 13:53	3/23/22 13:53		1	0.870	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	246	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	4520	mg/L		416.7	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	244	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	1.87	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 17:16	3/21/22 17:16		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-23A

Location Code: WMWMILAP
Collected: 3/16/22 11:00
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05692

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 12:03	3/21/22 12:03		200	2520	mg/L	100.00	200	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 10:49	3/22/22 10:49		1	0.394	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 12:58	3/24/22 12:58		3	33.5	mg/L	1.8	6	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/16/22 10:56	3/16/22 10:56			7695.25	uS/cm			FA
pH	3/16/22 10:56	3/16/22 10:56			7.48	SU			FA
Temperature	3/16/22 10:56	3/16/22 10:56			20.51	C			FA
Turbidity	3/16/22 10:56	3/16/22 10:56			2.19	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-23A

Laboratory ID Number: BC05692

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05692	Fluoride	mg/L	-0.0193	0.125	2.50	2.95	2.93	2.59	2.25 to 2.75	102	80.0 to 120	0.680	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-23A

Laboratory ID Number: BC05692

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05692	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00401	0.00399	0.004	0.00340 to 0.00460	100	70.0 to 130	0.500	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05692	Sulfate	mg/L	0.122	2.0	80.0	115	115	19.9	18.0 to 22.0	102	80.0 to 120	0.00	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-23A

Laboratory ID Number: BC05692

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 11:00
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-23A

Laboratory ID Number: BC05692

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05692	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.75	0.823	1.94	1.80 to 2.20	94.0	90.0 to 110	5.55	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22S

Location Code: WMWMILAP
Collected: 3/16/22 13:33
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05693

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:44		1.015	0.0672	mg/L	0.030000	0.1015	J
* Calcium, Total	3/28/22 15:00	3/29/22 13:17		10.15	97.5	mg/L	0.70035	4.06	
* Iron, Total	3/28/22 15:00	3/29/22 10:44		1.015	1.52	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:44		1.015	0.0626	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 13:17		10.15	45.2	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:44		1	31.0	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:44		1.015	14.5	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:17		10.15	73.4	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:12		1.015	0.0667	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/28/22 15:00	3/29/22 14:04		10.15	114	mg/L	0.70035	4.06	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:12		1.015	1.51	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:12		1.015	0.0604	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 14:04		10.15	53.2	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:12		1	30.8	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:12		1.015	14.4	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 14:04		10.15	85.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 19:07		1.015	0.000369	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 19:07		1.015	0.0530	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 19:07		1.015	0.000235	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 19:07		1.015	0.209	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 19:07		1.015	0.000324	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 19:07		1.015	1.81	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22S

Location Code: WMWMILAP
Collected: 3/16/22 13:33
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05693

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 19:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	0.000322	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	0.0525	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	0.208	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	0.000314	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	1.77	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 17:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/19/22 00:03		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 14:02	3/23/22 14:02		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	235	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	648	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	232	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	3.15	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 17:36	3/21/22 17:36		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22S

Location Code: WMWMILAP
Collected: 3/16/22 13:33
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05693

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 12:04	3/21/22 12:04		20	127	mg/L	10.00	20	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 11:01	3/22/22 11:01		1	0.145	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 13:23	3/24/22 13:23		8	174	mg/L	4.8	16	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/16/22 13:29	3/16/22 13:29			1075.17	uS/cm			FA
pH	3/16/22 13:29	3/16/22 13:29			6.92	SU			FA
Temperature	3/16/22 13:29	3/16/22 13:29			21.28	C			FA
Turbidity	3/16/22 13:29	3/16/22 13:29			0.87	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S

Laboratory ID Number: BC05693

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05693	Chloride	mg/L	0.00143	1.00	200	322	345	10.1	9.00 to 11.0	97.5	80.0 to 120	6.90	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Fluoride	mg/L	-0.0418	0.125	2.50	2.69	2.67	2.60	2.25 to 2.75	103	80.0 to 120	0.746	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S

Laboratory ID Number: BC05693

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05696	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00394	0.00396	0.004	0.00340 to 0.00460	98.5	70.0 to 130	0.506	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05696	Sulfate	mg/L	-0.0131	2.0	160	229	237	19.8	18.0 to 22.0	102	80.0 to 120	3.43	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S

Laboratory ID Number: BC05693

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05693	Total Organic Carbon	mg/L	0.350	1.00	10.0	10.4	10.1	9.79		104	80.0 to 120	2.93	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S

Laboratory ID Number: BC05693

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05696	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.98	-0.004	1.92	1.80 to 2.20	99.0	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22S DUP

Location Code: WMWMILAP
Collected: 3/16/22 13:33
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05694

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:46		1.015	0.0671	mg/L	0.030000	0.1015	J
* Calcium, Total	3/28/22 15:00	3/29/22 13:19		10.15	98.4	mg/L	0.70035	4.06	
* Iron, Total	3/28/22 15:00	3/29/22 10:46		1.015	1.52	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 10:46		1.015	0.0631	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 13:19		10.15	45.9	mg/L	0.21315	4.06	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:46		1	30.4	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:46		1.015	14.2	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:19		10.15	75.4	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:14		1.015	0.0659	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	3/28/22 15:00	3/29/22 14:06		10.15	106	mg/L	0.70035	4.06	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:14		1.015	1.52	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:14		1.015	0.0603	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 14:06		10.15	49.4	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:14		1	30.6	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:14		1.015	14.3	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 14:06		10.15	77.9	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	3/21/22 10:00	3/21/22 19:11		1.015	0.000325	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 19:11		1.015	0.0530	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 19:11		1.015	0.000269	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 19:11		1.015	0.212	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 19:11		1.015	0.000306	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 19:11		1.015	1.82	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22S DUP

Location Code: WMWMILAP
Collected: 3/16/22 13:33
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05694

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 19:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	0.000338	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	0.0508	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	0.217	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	0.000243	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	1.81	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 17:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/19/22 00:07		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 14:02	3/23/22 14:02		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	248	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	642	mg/L		50	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	245	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	2.71	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 18:58	3/21/22 18:58		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22S DUP

Location Code: WMWMILAP
Collected: 3/16/22 13:33
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05694

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 12:29	3/21/22 12:29		10	140	mg/L	5.00	10	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 11:02	3/22/22 11:02		1	0.151	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 13:24	3/24/22 13:24		8	170	mg/L	4.8	16	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/16/22 13:29	3/16/22 13:29			1075.17	uS/cm			FA
pH	3/16/22 13:29	3/16/22 13:29			6.92	SU			FA
Temperature	3/16/22 13:29	3/16/22 13:29			21.28	C			FA
Turbidity	3/16/22 13:29	3/16/22 13:29			0.87	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S DUP

Laboratory ID Number: BC05694

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05696	Chloride	mg/L	0.0741	1.00	2000	4950	4780	10.1	9.00 to 11.0	114	80.0 to 120	3.49	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Fluoride	mg/L	-0.0418	0.125	2.50	2.69	2.67	2.60	2.25 to 2.75	103	80.0 to 120	0.746	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S DUP

Laboratory ID Number: BC05694

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05696	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00394	0.00396	0.004	0.00340 to 0.00460	98.5	70.0 to 130	0.506	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05696	Sulfate	mg/L	-0.0131	2.0	160	229	237	19.8	18.0 to 22.0	102	80.0 to 120	3.43	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S DUP

Laboratory ID Number: BC05694

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05696	Total Organic Carbon	mg/L	0.330	1.00	10.0	10.3	10.3	9.91		103	80.0 to 120	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 13:33
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22S DUP

Laboratory ID Number: BC05694

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05696	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.98	-0.004	1.92	1.80 to 2.20	99.0	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22I

Location Code: WMWMILAP
Collected: 3/16/22 14:58
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05695

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 10:53		1.015	0.121	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 10:53		1.015	2.66	mg/L	0.070035	0.406	
* Iron, Total	3/28/22 15:00	3/29/22 10:53		1.015	0.0386	mg/L	0.008120	0.0406	J
* Lithium, Total	3/28/22 15:00	3/29/22 10:53		1.015	0.0469	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 10:53		1.015	0.748	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 10:53		1	11.4	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 10:53		1.015	5.34	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 13:21		10.15	156	mg/L	0.3045	4.06	RA
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:15		1.015	0.121	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 12:15		1.015	2.73	mg/L	0.070035	0.406	
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:15		1.015	0.0203	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:15		1.015	0.0466	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 12:15		1.015	0.747	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:15		1	11.0	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:15		1.015	5.14	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 14:08		101.5	178	mg/L	3.045	40.6	
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	3/21/22 10:00	3/21/22 19:14		1.015	0.0779	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 19:14		1.015	0.000259	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/21/22 19:14		1.015	0.0367	mg/L	0.000102	0.000203	
* Beryllium, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 19:14		1.015	0.000300	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 19:14		1.015	0.00588	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 19:14		1.015	0.00135	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 19:14		1.015	3.32	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22I

Location Code: WMWMILAP
Collected: 3/16/22 14:58
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05695

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 19:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	0.0121	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	0.000328	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	0.0387	mg/L	0.000102	0.000203	
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	0.000229	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	0.00587	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	0.00131	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	3.23	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 17:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/19/22 00:11		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 14:03	3/23/22 14:03		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	272	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/18/22 10:38	3/21/22 13:52		1	391	mg/L		25	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	266	mg/L			
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	6.13	mg/L			
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 19:18	3/21/22 19:18		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22I

Location Code: WMWMILAP
Collected: 3/16/22 14:58
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05695

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 12:31	3/21/22 12:31		5	47.3	mg/L	2.50	5	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 11:03	3/22/22 11:03		1	0.222	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 13:25	3/24/22 13:25		1	24.8	mg/L	0.6	2	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/16/22 14:55	3/16/22 14:55			638.79	uS/cm			FA
pH	3/16/22 14:55	3/16/22 14:55			7.94	SU			FA
Temperature	3/16/22 14:55	3/16/22 14:55			21.58	C			FA
Turbidity	3/16/22 14:55	3/16/22 14:55			1.85	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:58
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22I

Laboratory ID Number: BC05695

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05695	Aluminum, Total	mg/L	-0.000159	0.010	0.100	0.181	0.181	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Antimony, Total	mg/L	0.000261	0.00100	0.100	0.0974	0.0967	0.0950	0.0850 to 0.115	97.4	70.0 to 130	0.721	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05695	Arsenic, Total	mg/L	0.0000387	0.000176	0.100	0.102	0.101	0.104	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05695	Barium, Total	mg/L	0.0000059	0.000200	0.100	0.132	0.130	0.0997	0.0850 to 0.115	95.3	70.0 to 130	1.53	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05695	Beryllium, Total	mg/L	0.0000184	0.000880	0.100	0.0901	0.0922	0.0982	0.0850 to 0.115	90.1	70.0 to 130	2.30	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05695	Boron, Total	mg/L	-0.000196	0.0650	1.00	1.14	1.13	0.985	0.850 to 1.15	102	70.0 to 130	0.881	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05695	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.101	0.101	0.106	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05695	Calcium, Total	mg/L	-0.000866	0.152	5.00	7.59	7.42	4.78	4.25 to 5.75	98.6	70.0 to 130	2.27	20.0
BC05696	Chloride	mg/L	0.0741	1.00	2000	4950	4780	10.1	9.00 to 11.0	114	80.0 to 120	3.49	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05695	Chromium, Total	mg/L	0.0000096	0.000440	0.100	0.0982	0.0982	0.102	0.0850 to 0.115	97.9	70.0 to 130	0.00	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05695	Cobalt, Total	mg/L	0.000005	0.000147	0.100	0.102	0.101	0.105	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC05696	Fluoride	mg/L	-0.0418	0.125	2.50	2.69	2.67	2.60	2.25 to 2.75	103	80.0 to 120	0.746	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:58
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22I

Laboratory ID Number: BC05695

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Iron, Total	mg/L	-0.000366	0.0176	0.2	0.240	0.241	0.196	0.170 to 0.230	101	70.0 to 130	0.416	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05695	Lead, Total	mg/L	-0.0000022	0.000147	0.100	0.0940	0.0969	0.0989	0.0850 to 0.115	94.0	70.0 to 130	3.04	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05695	Lithium, Total	mg/L	0.000005	0.0154	0.200	0.249	0.248	0.202	0.170 to 0.230	101	70.0 to 130	0.402	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05695	Magnesium, Total	mg/L	-0.000858	0.0462	5.00	5.92	5.87	5.09	4.25 to 5.75	103	70.0 to 130	0.848	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05695	Manganese, Total	mg/L	0.0000292	0.0002	0.100	0.106	0.106	0.104	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05696	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00394	0.00396	0.004	0.00340 to 0.00460	98.5	70.0 to 130	0.506	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05695	Molybdenum, Total	mg/L	0.0000171	0.0002	0.100	0.0985	0.0975	0.100	0.0850 to 0.115	97.2	70.0 to 130	1.02	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05695	Potassium, Total	mg/L	0.00208	0.367	10.0	13.7	13.5	10.5	8.50 to 11.5	104	70.0 to 130	1.47	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05695	Selenium, Total	mg/L	-0.0000256	0.00100	0.100	0.100	0.0992	0.105	0.0850 to 0.115	100	70.0 to 130	0.803	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05695	Silicon, Total	mg/L	-0.000676	0.0440	1.00	6.43	6.46	1.02	0.850 to 1.15	109	70.0 to 130	0.465	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05695	Sodium, Total	mg/L	0.000376	0.0660	5.00	160	159	5.08	4.25 to 5.75	80.0	70.0 to 130	0.627	20.0
BC05696	Sulfate	mg/L	-0.0131	2.0	160	229	237	19.8	18.0 to 22.0	102	80.0 to 120	3.43	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:58
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22I

Laboratory ID Number: BC05695

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05695	Thallium, Total	mg/L	0.0000003	0.000147	0.100	0.0988	0.0990	0.102	0.0850 to 0.115	98.8	70.0 to 130	0.202	20.0
BC05696	Total Organic Carbon	mg/L	0.330	1.00	10.0	10.3	10.3	9.91		103	80.0 to 120	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/16/22 14:58
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22I

Laboratory ID Number: BC05695

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05696	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.98	-0.004	1.92	1.80 to 2.20	99.0	90.0 to 110	0.00	15.0
BC05695	Solids, Dissolved	mg/L	1.00	25.0			386	52.0	40.0 to 60.0			1.29	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22D

Location Code: WMWMILAP
Collected: 3/17/22 11:13
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05696

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	3/28/22 15:00	3/29/22 11:04		1.015	0.153	mg/L	0.030000	0.1015	
* Calcium, Total	3/28/22 15:00	3/29/22 11:12		50.75	71.2	mg/L	3.50175	20.3	RA
* Iron, Total	3/28/22 15:00	3/29/22 11:04		1.015	0.0971	mg/L	0.008120	0.0406	
* Lithium, Total	3/28/22 15:00	3/29/22 11:04		1.015	0.369	mg/L	0.007105	0.01999956	
* Magnesium, Total	3/28/22 15:00	3/29/22 11:04		1.015	20.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	3/28/22 15:00	3/29/22 11:04		1	9.76	mg/L			
Silicon, Total	3/28/22 15:00	3/29/22 11:04		1.015	4.56	mg/L	0.02030	0.25375	
* Sodium, Total	3/28/22 15:00	3/29/22 11:12		50.75	1760	mg/L	1.5225	20.3	RA
Analytical Method: EPA 200.7	***Analyst: RDA***								
* Boron, Dissolved	3/28/22 15:00	3/29/22 12:17		1.015	0.151	mg/L	0.030000	0.1015	
* Calcium, Dissolved	3/28/22 15:00	3/29/22 14:10		50.75	68.0	mg/L	3.50175	20.3	RA
* Iron, Dissolved	3/28/22 15:00	3/29/22 12:17		1.015	0.0921	mg/L	0.008120	0.0406	
* Lithium, Dissolved	3/28/22 15:00	3/29/22 12:17		1.015	0.385	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	3/28/22 15:00	3/29/22 12:17		1.015	20.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	3/28/22 15:00	3/29/22 12:17		1	9.65	mg/L			
Silicon, Dissolved	3/28/22 15:00	3/29/22 12:17		1.015	4.51	mg/L	0.02030	0.25375	
* Sodium, Dissolved	3/28/22 15:00	3/29/22 14:10		50.75	1680	mg/L	1.5225	20.3	RA
Analytical Method: EPA 200.8	***Analyst: ABB***				***Preparation Method: EPA 1638***				
* Antimony, Total	3/21/22 10:00	3/21/22 19:43		1.015	0.00114	mg/L	0.000508	0.001015	
* Aluminum, Total	3/21/22 10:00	3/21/22 19:43		1.015	0.0125	mg/L	0.006090	0.01015	
* Arsenic, Total	3/21/22 10:00	3/21/22 19:43		1.015	0.00354	mg/L	0.000081	0.000203	
* Barium, Total	3/21/22 10:00	3/22/22 13:05		5.075	2.95	mg/L	0.000508	0.001015	RA
* Beryllium, Total	3/21/22 10:00	3/21/22 19:43		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	3/21/22 10:00	3/21/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	3/21/22 10:00	3/21/22 19:43		1.015	0.000659	mg/L	0.000203	0.001015	J
* Cobalt, Total	3/21/22 10:00	3/21/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	3/21/22 10:00	3/21/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	3/21/22 10:00	3/21/22 19:43		1.015	0.0578	mg/L	0.000152	0.000203	
* Molybdenum, Total	3/21/22 10:00	3/21/22 19:43		1.015	0.00897	mg/L	0.000102	0.000203	
* Potassium, Total	3/21/22 10:00	3/21/22 19:43		1.015	16.2	mg/L	0.169505	0.5075	

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22D

Location Code: WMWMILAP
Collected: 3/17/22 11:13
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05696

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	3/21/22 10:00	3/21/22 19:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	3/21/22 10:00	3/21/22 19:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8	***Analyst: DLJ***								
* Antimony, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	0.00879	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	0.00232	mg/L	0.000081	0.000203	
* Barium, Dissolved	3/21/22 11:05	3/22/22 12:40		5.075	3.51	mg/L	0.000508	0.001015	RA
* Beryllium, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	0.0553	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	0.00542	mg/L	0.000102	0.000203	
* Potassium, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	13.7	mg/L	0.169505	0.5075	
* Selenium, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	3/21/22 11:05	3/21/22 17:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	3/18/22 17:13	3/19/22 00:15		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2	***Analyst: ELH***								
* Nitrogen, Nitrate/Nitrite	3/23/22 14:04	3/23/22 14:04		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B	***Analyst: ALH***								
Alkalinity, Total as CaCO3	3/29/22 12:50	3/29/22 15:42		1	109	mg/L		0.1	
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	3/23/22 13:04	3/24/22 14:33		1	4600	mg/L		416.7	
Analytical Method: SM 4500CO2 D	***Analyst: ALH***								
Bicarbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	108	mg/L			A
Carbonate Alkalinity, (calc.)	3/29/22 12:50	3/29/22 15:42		1	1.04	mg/L			A
Analytical Method: SM 5310 B	***Analyst: ELH***								
* Total Organic Carbon	3/21/22 19:38	3/21/22 19:38		1	Not Detected	mg/L	1.00	2	U

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-22D

Location Code: WMWMILAP
Collected: 3/17/22 11:13
Customer ID:
Submittal Date: 3/17/22 14:19

Laboratory ID Number: BC05696

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	3/21/22 12:32	3/21/22 12:32		200	2660	mg/L	100.00	200	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	3/22/22 11:04	3/22/22 11:04		1	0.116	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	3/24/22 13:27	3/24/22 13:27		8	66.2	mg/L	4.8	16	
Analytical Method: Field Measurements	***Analyst: TJD***								
Conductivity	3/17/22 11:10	3/17/22 11:10			7738.13	uS/cm			FA
pH	3/17/22 11:10	3/17/22 11:10			7.96	SU			FA
Temperature	3/17/22 11:10	3/17/22 11:10			22.20	C			FA
Turbidity	3/17/22 11:10	3/17/22 11:10			0.99	NTU			FA

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

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 11:13
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22D

Laboratory ID Number: BC05696

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Aluminum, Dissolved	mg/L	-0.000828	0.010	0.100	0.114	0.113	0.103	0.0850 to 0.115	105	70.0 to 130	0.881	20.0
BC05696	Aluminum, Total	mg/L	-0.000166	0.010	0.100	0.117	0.116	0.105	0.0850 to 0.115	104	70.0 to 130	0.858	20.0
BC05696	Antimony, Dissolved	mg/L	0.000289	0.00100	0.100	0.105	0.105	0.0944	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05696	Antimony, Total	mg/L	0.000389	0.00100	0.100	0.114	0.111	0.0974	0.0850 to 0.115	113	70.0 to 130	2.67	20.0
BC05696	Arsenic, Dissolved	mg/L	0.0000140	0.000176	0.100	0.107	0.107	0.103	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC05696	Arsenic, Total	mg/L	-0.0000024	0.000176	0.100	0.107	0.108	0.103	0.0850 to 0.115	103	70.0 to 130	0.930	20.0
BC05696	Barium, Dissolved	mg/L	-0.0000261	0.000200	0.100	3.66	3.71	0.102	0.0850 to 0.115	150	70.0 to 130	1.36	20.0
BC05696	Barium, Total	mg/L	-0.0000028	0.000200	0.100	2.98	3.02	0.103	0.0850 to 0.115	30.0	70.0 to 130	1.33	20.0
BC05696	Beryllium, Dissolved	mg/L	0.0000422	0.000880	0.100	0.101	0.101	0.0905	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC05696	Beryllium, Total	mg/L	0.000028	0.000880	0.100	0.0955	0.0963	0.0901	0.0850 to 0.115	95.5	70.0 to 130	0.834	20.0
BC05696	Boron, Dissolved	mg/L	-0.000298	0.0650	1.00	1.19	1.16	0.986	0.850 to 1.15	104	70.0 to 130	2.55	20.0
BC05696	Boron, Total	mg/L	-0.000182	0.0650	1.00	1.20	1.18	0.964	0.850 to 1.15	105	70.0 to 130	1.68	20.0
BC05696	Cadmium, Dissolved	mg/L	0.0000066	0.000147	0.100	0.104	0.0994	0.104	0.0850 to 0.115	104	70.0 to 130	4.52	20.0
BC05696	Cadmium, Total	mg/L	0.0000062	0.000147	0.100	0.102	0.100	0.103	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC05696	Calcium, Dissolved	mg/L	-0.00416	0.152	5.00	79.8	75.4	4.83	4.25 to 5.75	236	70.0 to 130	5.67	20.0
BC05696	Calcium, Total	mg/L	-0.00953	0.152	5.00	74.5	73.6	4.82	4.25 to 5.75	66.0	70.0 to 130	1.22	20.0
BC05696	Chloride	mg/L	0.0741	1.00	2000	4950	4780	10.1	9.00 to 11.0	114	80.0 to 120	3.49	20.0
BC05696	Chromium, Dissolved	mg/L	-0.0000315	0.000440	0.100	0.0989	0.0955	0.103	0.0850 to 0.115	98.9	70.0 to 130	3.50	20.0
BC05696	Chromium, Total	mg/L	-0.0000012	0.000440	0.100	0.100	0.0989	0.103	0.0850 to 0.115	99.3	70.0 to 130	1.11	20.0
BC05696	Cobalt, Dissolved	mg/L	0.0000005	0.000147	0.100	0.101	0.0980	0.106	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC05696	Cobalt, Total	mg/L	0.0000057	0.000147	0.100	0.101	0.0998	0.105	0.0850 to 0.115	101	70.0 to 130	1.20	20.0
BC05696	Fluoride	mg/L	-0.0418	0.125	2.50	2.69	2.67	2.60	2.25 to 2.75	103	80.0 to 120	0.746	20.0
BC05696	Iron, Dissolved	mg/L	-0.000434	0.0176	0.2	0.283	0.278	0.198	0.170 to 0.230	95.4	70.0 to 130	1.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 11:13
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22D

Laboratory ID Number: BC05696

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Iron, Total	mg/L	-0.000387	0.0176	0.2	0.291	0.287	0.195	0.170 to 0.230	97.0	70.0 to 130	1.38	20.0
BC05696	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.100	0.0994	0.0984	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC05696	Lead, Total	mg/L	-0.0000004	0.000147	0.100	0.100	0.100	0.0991	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC05696	Lithium, Dissolved	mg/L	-0.000245	0.0154	0.200	0.607	0.603	0.200	0.170 to 0.230	111	70.0 to 130	0.661	20.0
BC05696	Lithium, Total	mg/L	-0.000019	0.0154	0.200	0.603	0.613	0.200	0.170 to 0.230	117	70.0 to 130	1.64	20.0
BC05696	Magnesium, Dissolved	mg/L	-0.00632	0.0462	5.00	25.8	25.6	5.13	4.25 to 5.75	98.0	70.0 to 130	0.778	20.0
BC05696	Magnesium, Total	mg/L	0.00236	0.0462	5.00	26.1	26.2	5.08	4.25 to 5.75	110	70.0 to 130	0.382	20.0
BC05696	Manganese, Dissolved	mg/L	-0.0000044	0.0002	0.100	0.153	0.151	0.105	0.0850 to 0.115	97.7	70.0 to 130	1.32	20.0
BC05696	Manganese, Total	mg/L	0.0000104	0.0002	0.100	0.157	0.155	0.104	0.0850 to 0.115	99.2	70.0 to 130	1.28	20.0
BC05696	Mercury, Total by CVAA	mg/L	0.00000	0.000500	0.004	0.00394	0.00396	0.004	0.00340 to 0.00460	98.5	70.0 to 130	0.506	20.0
BC05696	Molybdenum, Dissolved	mg/L	0.0000088	0.0002	0.100	0.106	0.104	0.0983	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC05696	Molybdenum, Total	mg/L	0.0000087	0.0002	0.100	0.108	0.107	0.0999	0.0850 to 0.115	99.0	70.0 to 130	0.930	20.0
BC05696	Potassium, Dissolved	mg/L	0.00485	0.367	10.0	23.9	23.4	10.6	8.50 to 11.5	102	70.0 to 130	2.11	20.0
BC05696	Potassium, Total	mg/L	0.00632	0.367	10.0	26.3	25.8	10.6	8.50 to 11.5	101	70.0 to 130	1.92	20.0
BC05696	Selenium, Dissolved	mg/L	0.000179	0.00100	0.100	0.103	0.101	0.105	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC05696	Selenium, Total	mg/L	-0.0000082	0.00100	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC05696	Silicon, Dissolved	mg/L	-0.000753	0.0440	1.00	5.47	5.39	0.991	0.850 to 1.15	96.0	70.0 to 130	1.47	20.0
BC05696	Silicon, Total	mg/L	-0.000805	0.0440	1.00	5.63	5.62	0.999	0.850 to 1.15	107	70.0 to 130	0.178	20.0
BC05696	Sodium, Dissolved	mg/L	0.0216	0.0660	5.00	1880	1740	5.04	4.25 to 5.75	4000	70.0 to 130	7.73	20.0
BC05696	Sodium, Total	mg/L	0.0218	0.0660	5.00	1710	1680	5.05	4.25 to 5.75	-1000	70.0 to 130	1.77	20.0
BC05696	Sulfate	mg/L	-0.0131	2.0	160	229	237	19.8	18.0 to 22.0	102	80.0 to 120	3.43	20.0
BC05696	Thallium, Dissolved	mg/L	0.0000022	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 3/17/22 11:13
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22D

Laboratory ID Number: BC05696

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC05696	Total Organic Carbon	mg/L	0.330	1.00	10.0	10.3	10.3	9.91		103	80.0 to 120	0.00	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 3/17/22 11:13
Customer ID:
Delivery Date: 3/17/22 14:19

Description: Miller Ash Pond - MW-22D

Laboratory ID Number: BC05696

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC05696	Alkalinity, Total as CaCO3	mg/L					112	50.8	45.0 to 55.0			2.71	10.0
BC05696	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.98	-0.004	1.92	1.80 to 2.20	99.0	90.0 to 110	0.00	15.0
BC05696	Solids, Dissolved	mg/L	1.00	25.0			4400	50.0	40.0 to 60.0			4.44	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Reported: 4/26/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
(205) 664-6001

Definitions

Alabama Power

Project Number: WMWMILAP_1354

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
A	Bicarbonate alkalinity, carbonate alkalinity, hydroxide alkalinity, free carbon dioxide, and/or total carbon dioxide calculations are estimates due to pH>10SU and/or TDS>500mg/L.
FA	Field results were reviewed by the Water Field Group. Refer to APC Field Case Narrative.
J	Reported value is an estimate because concentration is less than reporting limit.
R	Matrix spike recovery and/or matrix spike duplicate recovery is outside of specification limit.
RA	Matrix spike is invalid due to sample concentration.
U	Compound was analyzed, but not detected.

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrate/Nitrite; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: N/N, TOC pH<2. LBM 3/10/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-35H	03/08/2022	07:57	7	Groundwater		BC05057
MW-17H	03/08/2022	09:14	7	Groundwater		BC05058
MW-18H	03/08/2022	10:38	7	Groundwater		BC05059
MW-7SR	03/08/2022	12:48	7	Groundwater		BC05060
MW-7DR	03/08/2022	13:46	7	Groundwater		BC05061
FB-1	03/08/2022	14:35	5	Field Blank		BC05062
MW-32H	03/09/2022	08:42	7	Groundwater		BC05063
MW-20HS	03/09/2022	10:30	7	Groundwater		BC05064
MW-20HS dup	03/09/2022	10:30	7	Sample Duplicate		BC05065
MW-20H	03/09/2022	12:23	7	Groundwater		BC05066

Relinquished By	Received By	Date/Time
		03/10/2022 09:12

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	0.5 degrees C & 0.1 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	TJ Daugherty	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
	1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
	2	Dissolved Metals	500 mL	4	Nitrates/Nitrates, TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: N/N, TOC pH<2. LBM 3/10/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-9SR	03/08/2022	09:39	7	Groundwater		BC05067
MW-9DR	03/08/2022	11:00	7	Groundwater		BC05068
MW-16	03/08/2022	13:25	7	Groundwater		BC05069
MW-15	03/09/2022	10:09	7	Groundwater		BC05070
MW-15 Dup	03/09/2022	10:09	7	Sample Duplicate		BC05071
MW-14R	03/09/2022	11:38	7	Groundwater		BC05072
MW-13DR	03/09/2022	13:27	7	Groundwater		BC05073
MW-13SR	03/09/2022	15:10	7	Groundwater		BC05074

Relinquished By	Received By	Date/Time
		03/10/2022 09:13

SmarTroll ID	7586-41445-5-4	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23342-4-1	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

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Lab ETA: 03/10/2022 08:00

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Anthony Goggins	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles

1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrite/Nitrate; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Correcting dates to 03/09/22 per AWG. N/N, TOC pH<2. LBM 3/10/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-19HA	03/09/2022	11:43	7	Groundwater		BC05075
FB-3	03/09/2022	12:20	5	Field Blank		BC05076
MW-34H	03/09/2022	14:15	7	Groundwater		BC05077

Relinquished By	Received By	Date/Time
		03/10/2022 09:09

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23343-4-2	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

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Lab ETA: 03/15/2022 13:25

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Anthony Goggins	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrite/Nitrate; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Nitrate/Nitrite and TOC bottles pH<2. Correcting bottle count to 7. LBM 3/15/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-1	03/15/2022	11:10	7	Groundwater		BC05470

Relinquished By	Received By	Date/Time
		03/15/2022 13:40

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23343-4-2	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	TJ Daugherty	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrates/Nitrites, TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Nitrate/Nitrite and TOC bottles pH<2. LBM 3/15/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-27HR	03/14/2022	12:18	7	Groundwater		BC05466
MW-28H	03/14/2022	14:40	7	Groundwater		BC05467
FB-2	03/14/2022	15:45	5	Field Blank		BC05468
MW-23	03/15/2022	09:45	7	Groundwater		BC05469

Relinquished By	Received By	Date/Time
		03/15/2022 13:42

SmarTroll ID	7586-41445-5-4	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23342-4-1	Cooler Temp	0.7 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrate/Nitrite; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Nitrate/Nitrite and TOC bottles pH<2. LBM 3/15/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-33H	03/14/2022	11:54	7	Groundwater		BC05459
MW-5	03/14/2022	13:05	7	Groundwater		BC05460
MW-5 dup	03/14/2022	13:05	7	Sample Duplicate		BC05461
PZ-5	03/14/2022	14:58	7	Groundwater		BC05462
MW-4	03/15/2022	08:49	7	Groundwater		BC05463
MW-4V	03/15/2022	09:38	7	Groundwater		BC05464
MW-4V dup	03/15/2022	09:38	7	Sample Duplicate		BC05465

Relinquished By	Received By	Date/Time
Dallas Gentry	Laura Mabry	03/15/2022 13:44

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	0.6 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
	1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
	2	Dissolved Metals	500 mL	4	Nitrate/Nitrite; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Nitrate/Nitrite & TOC bottles pH<2. LBM 3/17/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-6	03/16/2022	09:05	7	Groundwater		BC05676
MW-6V	03/16/2022	10:49	7	Groundwater		BC05677
MW-3S	03/16/2022	12:42	7	Groundwater		BC05678
FB-4	03/16/2022	13:25	5	Field Blank		BC05679
MW-3D	03/16/2022	14:00	7	Groundwater		BC05680
MW-2	03/16/2022	15:43	7	Groundwater		BC05681
MW-10	03/17/2022	07:56	7	Groundwater		BC05682
MW-21	03/17/2022	09:28	7	Groundwater		BC05683
MW-37H	03/17/2022	10:49	7	Groundwater		BC05684

Relinquished By	Received By	Date/Time
Dallas Gentry	Lauren McDuff	03/17/2022 13:24

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	0.2 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA: 03/17/2022 13:03

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Anthony Goggins	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrite/Nitrate; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Matching FB-5 time to bottles per AWG. Nitrate/Nitrite & TOC bottles pH<2. LBM 3/17/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-30H	03/16/2022	11:10	7	Groundwater		BC05685
MW-11	03/16/2022	13:27	7	Groundwater		BC05686
FB-5	03/16/2022	15:50	5	Field Blank		BC05687
MW-36HR	03/16/2022	16:57	7	Groundwater		BC05688
MW-31H	03/16/2022	19:27	7	Groundwater		BC05689
MW-12	03/17/2022	09:40	7	Groundwater		BC05690
EB-1	03/17/2022	10:40	5	Equipment Blank		BC05691

Relinquished By	Received By	Date/Time
		03/17/2022 13:28

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23343-4-2	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	TJ Daugherty	Requested By	Greg Dyer
		Location	Miller Ash Pond

Bottles													
1	Metals	500 mL	3	Hg	250 mL	5	TDS	500 mL	7	Alkalinity	250 mL
2	Dissolved Metals	500 mL	4	Nitrates/Nitrites, TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Nitrate/Nitrite & TOC bottles pH<2. LBM 3/17/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-23A	03/16/2022	11:00	7	Groundwater		BC05692
MW-22S	03/16/2022	13:33	7	Groundwater		BC05693
MW-22S Dup	03/16/2022	13:33	7	Sample Duplicate		BC05694
MW-22I	03/16/2022	14:58	7	Groundwater		BC05695
MW-22D	03/17/2022	11:13	7	Groundwater		BC05696

Relinquished By	Received By	Date/Time
		03/17/2022 13:48

SmarTroll ID	7586-41445-5-4	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23342-4-1	Cooler Temp	0.3 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Radium MS/MSD collected at MW-35H.
Sulfide pH>9. LBM 3/10/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-35H	03/08/2022	07:57	4	Groundwater		BC05078
MW-17H	03/08/2022	09:14	2	Groundwater		BC05079
MW-18H	03/08/2022	10:38	2	Groundwater		BC05080
MW-7SR	03/08/2022	12:48	2	Groundwater		BC05081
MW-7DR	03/08/2022	13:46	2	Groundwater		BC05082
FB-1	03/08/2022	14:35	2	Field Blank		BC05083
MW-32H	03/09/2022	08:42	2	Groundwater		BC05084
MW-20HS	03/09/2022	10:30	2	Groundwater		BC05085
MW-20HS dup	03/09/2022	10:30	2	Sample Duplicate		BC05086
MW-20H	03/09/2022	12:23	2	Groundwater		BC05087

Relinquished By	Received By	Date/Time
Dallas Gentry	Laura Mayo	03/10/2022 09:12

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	0.5 degrees C & 0.1 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
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APC General Testing Laboratory

✔ Field Complete ✔ Lab Complete ✔ Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	TJ Daugherty	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Radium MS/MSD collected at MW-16. Sulfide pH>9. LBM 3/10/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-9SR	03/08/2022	09:39	2	Groundwater		BC05088
MW-9DR	03/08/2022	11:00	2	Groundwater		BC05089
MW-16	03/08/2022	13:25	4	Groundwater		BC05090
MW-15	03/09/2022	10:09	2	Groundwater		BC05091
MW-15 Dup	03/09/2022	10:09	2	Sample Duplicate		BC05092
MW-14R	03/09/2022	11:38	2	Groundwater		BC05093
MW-13DR	03/09/2022	13:27	2	Groundwater		BC05094
MW-13SR	03/09/2022	15:10	2	Groundwater		BC05095

Relinquished By	Received By	Date/Time
		03/10/2022 09:13

SmarTroll ID	7586-41445-5-4	All metals and radiological bottles have pH < 2	✔
Turbidity ID	4677-23342-4-1	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
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☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA: 03/10/2022 08:00

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Anthony Goggins	Requested By	Greg Dyer
		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	Sulfide	250 mL	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: Correcting dates to 03/09/22 per AWG.
Sulfide pH>9. LBM 3/10/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-19HA	03/09/2022	11:43	2	Groundwater		BC05096
FB-3	03/09/2022	12:20	2	Field Blank		BC05097
MW-34H	03/09/2022	14:15	2	Groundwater		BC05098

Relinquished By	Received By	Date/Time
		03/10/2022 09:09

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23343-4-2	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
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☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA: 03/15/2022 13:25

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Anthony Goggins	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Sulfide bottles pH>9. LBM 3/15/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-1	03/15/2022	11:10	2	Groundwater		BC05482

Relinquished By	Received By	Date/Time
		03/15/2022 13:41

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23343-4-2	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

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☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Sulfide bottles pH>9. LBM 3/15/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-33H	03/14/2022	11:54	2	Groundwater		BC05471
MW-5	03/14/2022	13:05	2	Groundwater		BC05472
MW-5 dup	03/14/2022	13:05	2	Sample Duplicate		BC05473
PZ-5	03/14/2022	14:58	2	Groundwater		BC05474
MW-4	03/15/2022	08:49	2	Groundwater		BC05475
MW-4V	03/15/2022	09:38	2	Groundwater		BC05476
MW-4V dup	03/15/2022	09:38	2	Sample Duplicate		BC05477

Relinquished By	Received By	Date/Time
Dallas Gentry	Laura McKay	03/15/2022 13:43

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	0.6 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
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☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	TJ Daugherty	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Sulfide bottles pH>9. LBM 3/15/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-27HR	03/14/2022	12:18	2	Groundwater		BC05478
MW-28H	03/14/2022	14:40	2	Groundwater		BC05479
FB-2	03/14/2022	15:45	2	Field Blank		BC05480
MW-23	03/15/2022	09:45	2	Groundwater		BC05481

Relinquished By	Received By	Date/Time
		03/15/2022 13:42

SmarTroll ID	7586-41445-5-4	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23342-4-1	Cooler Temp	0.7 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
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APC General Testing Laboratory

☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Radium MS/MSD collected at MW-6
Sulfide bottles pH>9. LBM 3/17/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-6	03/16/2022	09:05	4	Groundwater		BC05697
MW-6V	03/16/2022	10:49	2	Groundwater		BC05698
MW-3S	03/16/2022	12:42	2	Groundwater		BC05699
FB-4	03/16/2022	13:25	2	Field Blank		BC05700
MW-3D	03/16/2022	14:00	2	Groundwater		BC05701
MW-2	03/16/2022	15:43	2	Groundwater		BC05702
MW-10	03/17/2022	07:56	2	Groundwater		BC05703
MW-21	03/17/2022	09:28	2	Groundwater		BC05704
MW-37H	03/17/2022	10:49	2	Groundwater		BC05705

Relinquished By	Received By	Date/Time
Dallas Gentry	Laura McDuff	03/17/2022 13:23

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	0.2 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA: 03/17/2022 13:03

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Anthony Goggins	Requested By	Greg Dyer
		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	Sulfide	250 mL	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: Matching FB-5 time to bottles per AWG. Sulfide bottles pH>9. LBM 3/17/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-30H	03/16/2022	11:10	2	Groundwater		BC05706
MW-11	03/16/2022	13:27	2	Groundwater		BC05707
FB-5	03/16/2022	15:50	2	Field Blank		BC05708
MW-36HR	03/16/2022	16:57	2	Groundwater		BC05709
MW-31H	03/16/2022	19:27	2	Groundwater		BC05710
MW-12	03/17/2022	09:40	2	Groundwater		BC05711
EB-1	03/17/2022	10:40	2	Equipment Blank		BC05712

Relinquished By	Received By	Date/Time
		03/17/2022 13:27

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23343-4-2	Cooler Temp	0.0 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Chain of Custody
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☑ Field Complete ☑ Lab Complete ☑ Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	TJ Daugherty	Requested By	Greg Dyer
		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	Sulfide	250 mL	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Sulfide bottles pH>9. LBM 3/17/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-23A	03/16/2022	11:00	2	Groundwater		BC05713
MW-22S	03/16/2022	13:33	2	Groundwater		BC05714
MW-22S Dup	03/16/2022	13:33	2	Sample Duplicate		BC05715
MW-22I	03/16/2022	14:58	2	Groundwater		BC05716
MW-22D	03/17/2022	11:13	2	Groundwater		BC05717

Relinquished By	Received By	Date/Time
		03/17/2022 13:48

SmarTroll ID	7586-41445-5-4	All metals and radiological bottles have pH < 2	☑
Turbidity ID	4677-23342-4-1	Cooler Temp	0.3 degrees C
Sample Event	1354	Thermometer ID	5408-27568-2-2
		pH Strip ID	9772-56581-100-3

Bottles/Pre-Preserved Bottles are provided by the GTL

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

April 01, 2022

Laura Midkiff
Alabama Power
744 Highway 87
GSC 8
Calera, AL 35040

RE: Project: WMWMILAP_1354
Pace Project No.: 20237334

Dear Laura Midkiff:

Enclosed are the analytical results for sample(s) received by the laboratory between March 11, 2022 and March 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - New Orleans

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

Sincerely,

Karen Brown
karen.brown@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Renee Jernigan, Alabama Power
Trinity B. Williams, Alabama Power

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: WMWMILAP_1354
Pace Project No.: 20237334

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20237334001	BC05078 MW-35H	Water	03/08/22 07:57	03/11/22 09:35
20237334002	BC05079 MW-17H	Water	03/08/22 09:14	03/11/22 09:35
20237334003	BC05080 MW-18H	Water	03/08/22 10:38	03/11/22 09:35
20237334004	BC05081 MW-7SR	Water	03/08/22 12:48	03/11/22 09:35
20237334005	BC05082 MW-7DR	Water	03/08/22 13:46	03/11/22 09:35
20237334006	BC05083 FB-1	Water	03/08/22 14:35	03/11/22 09:35
20237334007	BC05084 MW-32H	Water	03/09/22 08:42	03/11/22 09:35
20237334008	BC05085 MW-20HS	Water	03/09/22 10:30	03/11/22 09:35
20237334009	BC05086 MW-20HS DUP	Water	03/09/22 10:30	03/11/22 09:35
20237334010	BC05087 MW-20H	Water	03/09/22 12:23	03/11/22 09:35
20237334011	BC05088 MW-9SR	Water	03/08/22 09:39	03/11/22 09:35
20237334012	BC05089 MW-9DR	Water	03/08/22 11:00	03/11/22 09:35
20237334013	BC05090 MW-16	Water	03/08/22 13:25	03/11/22 09:35
20237334014	BC05091 MW-15	Water	03/09/22 10:09	03/11/22 09:35
20237334015	BC05092 MW-15 DUP	Water	03/09/22 10:09	03/11/22 09:35
20237334016	BC05093 MW-14R	Water	03/09/22 11:38	03/11/22 09:35
20237334017	BC05094 MW-13DR	Water	03/09/22 13:27	03/11/22 09:35
20237334018	BC05095 MW-13SR	Water	03/09/22 15:10	03/11/22 09:35
20237334019	BC05096 MW-19HA	Water	03/09/22 11:43	03/11/22 09:35
20237334020	BC05097 FB-3	Water	03/09/22 12:20	03/11/22 09:35
20237334021	BC05098 MW-34H	Water	03/09/22 14:15	03/11/22 09:35
20237334022	BC05471 MW-33H	Water	03/14/22 11:54	03/16/22 09:55
20237334023	BC05472 MW-5	Water	03/14/22 13:05	03/16/22 09:55
20237334024	BC05473 MW-5 DUP	Water	03/14/22 13:05	03/16/22 09:55
20237334025	BC05474 PZ-5	Water	03/14/22 14:58	03/16/22 09:55
20237334026	BC05475 MW-4	Water	03/15/22 08:49	03/16/22 09:55
20237334027	BC05476 MW-4V	Water	03/15/22 09:38	03/16/22 09:55
20237334028	BC05477 MW-4V DUP	Water	03/15/22 09:38	03/16/22 09:55
20237334029	BC05478 MW-27HR	Water	03/14/22 12:18	03/16/22 09:55
20237334030	BC05479 MW-28H	Water	03/14/22 14:40	03/16/22 09:55
20237334031	BC05480 FB-2	Water	03/14/22 15:45	03/16/22 09:55
20237334032	BC05481 MW-23	Water	03/15/22 09:45	03/16/22 09:55
20237334033	BC05482 MW-1	Water	03/15/22 11:10	03/16/22 09:55
20237334034	BC05697 MW-6	Water	03/16/22 09:05	03/18/22 09:45
20237334035	BC05698 MW-6V	Water	03/16/22 10:49	03/18/22 09:45
20237334036	BC05699 MW-3S	Water	03/16/22 12:42	03/18/22 09:45
20237334037	BC05700 FB-4	Water	03/16/22 13:25	03/18/22 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WMWMILAP_1354
Pace Project No.: 20237334

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20237334038	**BC05701 MW-3D**	Water	03/16/22 14:00	03/18/22 09:45
20237334039	**BC05702 MW-2**	Water	03/16/22 15:43	03/18/22 09:45
20237334040	**BC05703 MW-10**	Water	03/17/22 07:56	03/18/22 09:45
20237334041	**BC05704 MW-21**	Water	03/17/22 09:28	03/18/22 09:45
20237334042	**BC05705 MW-37H**	Water	03/17/22 10:49	03/18/22 09:45
20237334043	**BC05706 MW-30H**	Water	03/16/22 11:10	03/18/22 09:45
20237334044	**BC05707 MW-11**	Water	03/16/22 13:27	03/18/22 09:45
20237334045	**BC05708 FB-5**	Water	03/16/22 15:50	03/18/22 09:45
20237334046	**BC05709 MW-36HR**	Water	03/16/22 16:57	03/18/22 09:45
20237334047	**BC05710 MW-31H**	Water	03/16/22 19:27	03/18/22 09:45
20237334048	**BC05711 MW-12**	Water	03/17/22 09:40	03/18/22 09:45
20237334049	**BC05712 EB-1**	Water	03/17/22 10:40	03/18/22 09:45
20237334050	**BC05713 MW-23A**	Water	03/16/22 11:00	03/18/22 09:45
20237334051	**BC05714 MW-22S**	Water	03/16/22 13:33	03/18/22 09:45
20237334052	**BC05715 MW-22S DUP**	Water	03/16/22 13:33	03/18/22 09:45
20237334053	**BC05716 MW-22I**	Water	03/16/22 14:58	03/18/22 09:45
20237334054	**BC05717 MW-22D**	Water	03/17/22 11:13	03/18/22 09:45

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 20237334

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20237334001	BC05078 MW-35H	SM 4500-S-2 D	RVJ	1
20237334002	BC05079 MW-17H	SM 4500-S-2 D	RVJ	1
20237334003	BC05080 MW-18H	SM 4500-S-2 D	RVJ	1
20237334004	BC05081 MW-7SR	SM 4500-S-2 D	RVJ	1
20237334005	BC05082 MW-7DR	SM 4500-S-2 D	RVJ	1
20237334006	BC05083 FB-1	SM 4500-S-2 D	RVJ	1
20237334007	BC05084 MW-32H	SM 4500-S-2 D	RVJ	1
20237334008	BC05085 MW-20HS	SM 4500-S-2 D	RVJ	1
20237334009	BC05086 MW-20HS DUP	SM 4500-S-2 D	RVJ	1
20237334010	BC05087 MW-20H	SM 4500-S-2 D	RVJ	1
20237334011	BC05088 MW-9SR	SM 4500-S-2 D	RVJ	1
20237334012	BC05089 MW-9DR	SM 4500-S-2 D	RVJ	1
20237334013	BC05090 MW-16	SM 4500-S-2 D	RVJ	1
20237334014	BC05091 MW-15	SM 4500-S-2 D	RVJ	1
20237334015	BC05092 MW-15 DUP	SM 4500-S-2 D	RVJ	1
20237334016	BC05093 MW-14R	SM 4500-S-2 D	RVJ	1
20237334017	BC05094 MW-13DR	SM 4500-S-2 D	RVJ	1
20237334018	BC05095 MW-13SR	SM 4500-S-2 D	RVJ	1
20237334019	BC05096 MW-19HA	SM 4500-S-2 D	RVJ	1
20237334020	BC05097 FB-3	SM 4500-S-2 D	RVJ	1
20237334021	BC05098 MW-34H	SM 4500-S-2 D	RVJ	1
20237334022	BC05471 MW-33H	SM 4500-S-2 D	DWR	1
20237334023	BC05472 MW-5	SM 4500-S-2 D	DWR	1
20237334024	BC05473 MW-5 DUP	SM 4500-S-2 D	DWR	1
20237334025	BC05474 PZ-5	SM 4500-S-2 D	DWR	1
20237334026	BC05475 MW-4	SM 4500-S-2 D	NTG	1
20237334027	BC05476 MW-4V	SM 4500-S-2 D	NTG	1
20237334028	BC05477 MW-4V DUP	SM 4500-S-2 D	NTG	1
20237334029	BC05478 MW-27HR	SM 4500-S-2 D	DWR	1
20237334030	BC05479 MW-28H	SM 4500-S-2 D	DWR	1
20237334031	BC05480 FB-2	SM 4500-S-2 D	DWR	1
20237334032	BC05481 MW-23	SM 4500-S-2 D	NTG	1
20237334033	BC05482 MW-1	SM 4500-S-2 D	NTG	1
20237334034	BC05697 MW-6	SM 4500-S-2 D	NTG	1
20237334035	BC05698 MW-6V	SM 4500-S-2 D	NTG	1
20237334036	BC05699 MW-3S	SM 4500-S-2 D	NTG	1
20237334037	BC05700 FB-4	SM 4500-S-2 D	NTG	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 20237334

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20237334038	**BC05701 MW-3D**	SM 4500-S-2 D	NTG	1
20237334039	**BC05702 MW-2**	SM 4500-S-2 D	NTG	1
20237334040	**BC05703 MW-10**	SM 4500-S-2 D	RVJ	1
20237334041	**BC05704 MW-21**	SM 4500-S-2 D	RVJ	1
20237334042	**BC05705 MW-37H**	SM 4500-S-2 D	RVJ	1
20237334043	**BC05706 MW-30H**	SM 4500-S-2 D	RVJ	1
20237334044	**BC05707 MW-11**	SM 4500-S-2 D	RVJ	1
20237334045	**BC05708 FB-5**	SM 4500-S-2 D	RVJ	1
20237334046	**BC05709 MW-36HR**	SM 4500-S-2 D	RVJ	1
20237334047	**BC05710 MW-31H**	SM 4500-S-2 D	RVJ	1
20237334048	**BC05711 MW-12**	SM 4500-S-2 D	RVJ	1
20237334049	**BC05712 EB-1**	SM 4500-S-2 D	RVJ	1
20237334050	**BC05713 MW-23A**	SM 4500-S-2 D	RVJ	1
20237334051	**BC05714 MW-22S**	SM 4500-S-2 D	RVJ	1
20237334052	**BC05715 MW-22S DUP**	SM 4500-S-2 D	RVJ	1
20237334053	**BC05716 MW-22I**	SM 4500-S-2 D	RVJ	1
20237334054	**BC05717 MW-22D**	SM 4500-S-2 D	RVJ	1

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PROJECT NARRATIVE

Project: WMWMILAP_1354
Pace Project No.: 20237334

Method: **SM 4500-S-2 D**
Description: 4500S2D Sulfide, Total
Client: Alabama Power
Date: April 01, 2022

General Information:
54 samples were analyzed for SM 4500-S-2 D by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 250232

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20237429001

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

- MS (Lab ID: 1188728)
  - Sulfide, Total

QC Batch: 250508

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20237530002

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

- MS (Lab ID: 1190402)
  - Sulfide, Total

QC Batch: 250663

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20238113001

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

- MS (Lab ID: 1191029)
  - Sulfide, Total

QC Batch: 250981

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20238233001

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

- MS (Lab ID: 1192580)
  - Sulfide, Total

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: WMWMILAP_1354
Pace Project No.: 20237334

Method: **SM 4500-S-2 D**
Description: 4500S2D Sulfide, Total
Client: Alabama Power
Date: April 01, 2022

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05078 MW-35H **Lab ID: 20237334001** Collected: 03/08/22 07:57 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:55	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05079 MW-17H **Lab ID: 20237334002** Collected: 03/08/22 09:14 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:56	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05080 MW-18H **Lab ID: 20237334003** Collected: 03/08/22 10:38 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:57	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05081 MW-7SR **Lab ID: 20237334004** Collected: 03/08/22 12:48 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:57	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05082 MW-7DR **Lab ID: 20237334005** Collected: 03/08/22 13:46 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:58	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05083 FB-1 **Lab ID: 20237334006** Collected: 03/08/22 14:35 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:58	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05084 MW-32H **Lab ID: 20237334007** Collected: 03/09/22 08:42 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:05	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05085 MW-20HS **Lab ID: 20237334008** Collected: 03/09/22 10:30 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:06	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05086 MW-20HS DUP **Lab ID: 20237334009** Collected: 03/09/22 10:30 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:06	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05087 MW-20H **Lab ID: 20237334010** Collected: 03/09/22 12:23 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:38	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05088 MW-9SR **Lab ID: 20237334011** Collected: 03/08/22 09:39 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 13:59	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05089 MW-9DR **Lab ID: 20237334012** Collected: 03/08/22 11:00 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 14:01	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05090 MW-16 **Lab ID: 20237334013** Collected: 03/08/22 13:25 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/14/22 14:01	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05091 MW-15 **Lab ID: 20237334014** Collected: 03/09/22 10:09 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:39	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05092 MW-15 DUP **Lab ID: 20237334015** Collected: 03/09/22 10:09 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:39	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05093 MW-14R **Lab ID: 20237334016** Collected: 03/09/22 11:38 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:40	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05094 MW-13DR **Lab ID: 20237334017** Collected: 03/09/22 13:27 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.11**	mg/L	0.020	0.012	1		03/16/22 14:41	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05095 MW-13SR **Lab ID: 20237334018** Collected: 03/09/22 15:10 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:41	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05096 MW-19HA **Lab ID: 20237334019** Collected: 03/09/22 11:43 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**10.4**	mg/L	0.50	0.30	25		03/16/22 14:43	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05097 FB-3 **Lab ID: 20237334020** Collected: 03/09/22 12:20 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/16/22 14:42	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05098 MW-34H **Lab ID: 20237334021** Collected: 03/09/22 14:15 Received: 03/11/22 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**3.3**	mg/L	0.50	0.30	25		03/16/22 14:43	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05471 MW-33H **Lab ID: 20237334022** Collected: 03/14/22 11:54 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/19/22 10:09	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05472 MW-5 **Lab ID: 20237334023** Collected: 03/14/22 13:05 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/19/22 10:10	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05473 MW-5 DUP **Lab ID: 20237334024** Collected: 03/14/22 13:05 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/19/22 10:10	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05474 PZ-5 **Lab ID: 20237334025** Collected: 03/14/22 14:58 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**4.1**	mg/L	1.0	0.59	50		03/19/22 11:07	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05475 MW-4 **Lab ID: 20237334026** Collected: 03/15/22 08:49 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 12:35	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05476 MW-4V **Lab ID: 20237334027** Collected: 03/15/22 09:38 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 12:35	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05477 MW-4V DUP **Lab ID: 20237334028** Collected: 03/15/22 09:38 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 12:36	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05478 MW-27HR **Lab ID: 20237334029** Collected: 03/14/22 12:18 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/19/22 10:12	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05479 MW-28H **Lab ID: 20237334030** Collected: 03/14/22 14:40 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/19/22 10:47	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05480 FB-2 **Lab ID: 20237334031** Collected: 03/14/22 15:45 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/19/22 10:48	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05481 MW-23 **Lab ID: 20237334032** Collected: 03/15/22 09:45 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 12:36	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05482 MW-1 **Lab ID: 20237334033** Collected: 03/15/22 11:10 Received: 03/16/22 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 12:41	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05697 MW-6 **Lab ID: 20237334034** Collected: 03/16/22 09:05 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 13:17	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05698 MW-6V **Lab ID: 20237334035** Collected: 03/16/22 10:49 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 13:19	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05699 MW-3S **Lab ID: 20237334036** Collected: 03/16/22 12:42 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.086**	mg/L	0.020	0.012	1		03/22/22 13:20	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05700 FB-4 **Lab ID: 20237334037** Collected: 03/16/22 13:25 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 13:20	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05701 MW-3D **Lab ID: 20237334038** Collected: 03/16/22 14:00 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 13:21	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05702 MW-2 **Lab ID: 20237334039** Collected: 03/16/22 15:43 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/22/22 13:21	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05703 MW-10 **Lab ID: 20237334040** Collected: 03/17/22 07:56 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/24/22 15:38	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05704 MW-21 **Lab ID: 20237334041** Collected: 03/17/22 09:28 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.46**	mg/L	0.020	0.012	1		03/24/22 15:38	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05705 MW-37H **Lab ID: 20237334042** Collected: 03/17/22 10:49 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.021**	mg/L	0.020	0.012	1		03/24/22 15:38	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05706 MW-30H **Lab ID: 20237334043** Collected: 03/16/22 11:10 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.21**	mg/L	0.020	0.012	1		03/23/22 14:42	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05707 MW-11 **Lab ID: 20237334044** Collected: 03/16/22 13:27 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/23/22 14:43	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05708 FB-5 **Lab ID: 20237334045** Collected: 03/16/22 15:50 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/23/22 14:43	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05709 MW-36HR **Lab ID: 20237334046** Collected: 03/16/22 16:57 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.051**	mg/L	0.020	0.012	1		03/23/22 14:44	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05710 MW-31H **Lab ID: 20237334047** Collected: 03/16/22 19:27 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.035**	mg/L	0.020	0.012	1		03/23/22 14:44	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05711 MW-12 **Lab ID: 20237334048** Collected: 03/17/22 09:40 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/24/22 15:38	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05712 EB-1 **Lab ID: 20237334049** Collected: 03/17/22 10:40 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/24/22 15:38	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05713 MW-23A **Lab ID: 20237334050** Collected: 03/16/22 11:00 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/23/22 14:45	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05714 MW-22S **Lab ID: 20237334051** Collected: 03/16/22 13:33 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/23/22 14:46	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05715 MW-22S DUP **Lab ID: 20237334052** Collected: 03/16/22 13:33 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	ND	mg/L	0.020	0.012	1		03/23/22 14:46	18496-25-8	

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ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05716 MW-22I **Lab ID: 20237334053** Collected: 03/16/22 14:58 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.24**	mg/L	0.020	0.012	1		03/23/22 14:47	18496-25-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: WMWMILAP_1354
Pace Project No.: 20237334

Sample: BC05717 MW-22D **Lab ID: 20237334054** Collected: 03/17/22 11:13 Received: 03/18/22 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide, Total	Analytical Method: SM 4500-S-2 D Pace Analytical Services - New Orleans								
Sulfide, Total	**0.26**	mg/L	0.020	0.012	1		03/24/22 15:38	18496-25-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: WMWMILAP_1354
Pace Project No.: 20237334

QC Batch: 250005
QC Batch Method: SM 4500-S-2 D
Analysis Method: SM 4500-S-2 D
Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20237334001, 20237334002, 20237334003, 20237334004, 20237334005, 20237334006, 20237334011, 20237334012, 20237334013

METHOD BLANK: 1187603 Matrix: Water
Associated Lab Samples: 20237334001, 20237334002, 20237334003, 20237334004, 20237334005, 20237334006, 20237334011, 20237334012, 20237334013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.020	0.012	03/14/22 13:35	

LABORATORY CONTROL SAMPLE: 1187604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.2	0.18	90	90-110	

MATRIX SPIKE SAMPLE: 1187606

Parameter	Units	20237334001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	ND	0.2	0.17	83	75-125	

SAMPLE DUPLICATE: 1187605

Parameter	Units	20237334001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	ND		20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: WMWMILAP_1354
Pace Project No.: 20237334

QC Batch: 250232
QC Batch Method: SM 4500-S-2 D
Analysis Method: SM 4500-S-2 D
Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20237334007, 20237334008, 20237334009, 20237334010, 20237334014, 20237334015, 20237334016, 20237334017, 20237334018, 20237334019, 20237334020, 20237334021

METHOD BLANK: 1188725 Matrix: Water
Associated Lab Samples: 20237334007, 20237334008, 20237334009, 20237334010, 20237334014, 20237334015, 20237334016, 20237334017, 20237334018, 20237334019, 20237334020, 20237334021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.020	0.012	03/16/22 13:43	

LABORATORY CONTROL SAMPLE: 1188726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.2	0.18	93	90-110	

MATRIX SPIKE SAMPLE: 1188728

Parameter	Units	20237429001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	ND	0.2	0.14	67	75-125	M1

SAMPLE DUPLICATE: 1188727

Parameter	Units	20237429001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	ND	ND		20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: WMWMILAP_1354
Pace Project No.: 20237334

QC Batch: 250508 | Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D | Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20237334022, 20237334023, 20237334024, 20237334025, 20237334029, 20237334030, 20237334031

METHOD BLANK: 1190399 Matrix: Water
Associated Lab Samples: 20237334022, 20237334023, 20237334024, 20237334025, 20237334029, 20237334030, 20237334031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.020	0.012	03/19/22 10:46	

LABORATORY CONTROL SAMPLE: 1190400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.2	0.19	94	90-110	

MATRIX SPIKE SAMPLE: 1190402

Parameter	Units	20237530002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	<0.020	0.2	0.014J	7	75-125	M1

SAMPLE DUPLICATE: 1190401

Parameter	Units	20237530002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	<0.020	ND		20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: WMWMILAP_1354
Pace Project No.: 20237334

QC Batch: 250663
QC Batch Method: SM 4500-S-2 D
Analysis Method: SM 4500-S-2 D
Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20237334026, 20237334027, 20237334028, 20237334032, 20237334033, 20237334034, 20237334035, 20237334036, 20237334037, 20237334038, 20237334039

METHOD BLANK: 1191026 Matrix: Water
Associated Lab Samples: 20237334026, 20237334027, 20237334028, 20237334032, 20237334033, 20237334034, 20237334035, 20237334036, 20237334037, 20237334038, 20237334039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.020	0.012	03/22/22 12:33	

LABORATORY CONTROL SAMPLE: 1191027

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.2	0.20	99	90-110	

MATRIX SPIKE SAMPLE: 1191029

Parameter	Units	20238113001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.078	0.2	0.13	24	75-125	M1

SAMPLE DUPLICATE: 1191028

Parameter	Units	20238113001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.078	0.076	3	20	

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

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: WMWMILAP_1354
Pace Project No.: 20237334

QC Batch: 250830 — Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D — Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20237334043, 20237334044, 20237334045, 20237334046, 20237334047, 20237334050, 20237334051, 20237334052, 20237334053

METHOD BLANK: 1191799 — Matrix: Water
Associated Lab Samples: 20237334043, 20237334044, 20237334045, 20237334046, 20237334047, 20237334050, 20237334051, 20237334052, 20237334053

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.020	0.012	03/23/22 14:07	

LABORATORY CONTROL SAMPLE: 1191800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.2	0.20	99	90-110	

MATRIX SPIKE SAMPLE: 1191802

Parameter	Units	20238231001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.14	0.2	0.29	76	75-125	

SAMPLE DUPLICATE: 1191801

Parameter	Units	20238231001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.14	0.14	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: WMWMILAP_1354
Pace Project No.: 20237334

QC Batch: 250981 | Analysis Method: SM 4500-S-2 D
QC Batch Method: SM 4500-S-2 D | Analysis Description: 4500S2D Sulfide, Total
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20237334040, 20237334041, 20237334042, 20237334048, 20237334049, 20237334054

METHOD BLANK: 1192577 Matrix: Water
Associated Lab Samples: 20237334040, 20237334041, 20237334042, 20237334048, 20237334049, 20237334054

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide, Total	mg/L	ND	0.020	0.012	03/24/22 15:38	

LABORATORY CONTROL SAMPLE: 1192578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.2	0.20	98	90-110	

MATRIX SPIKE SAMPLE: 1192580

Parameter	Units	20238233001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Total	mg/L	0.086	0.2	0.20	56	75-125	M1

SAMPLE DUPLICATE: 1192579

Parameter	Units	20238233001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Total	mg/L	0.086	0.086	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: WMWMILAP_1354
Pace Project No.: 20237334

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The Nelac Institute

ANALYTE QUALIFIERS

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

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1354
Pace Project No.: 20237334

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20237334001	**BC05078 MW-35H**	SM 4500-S-2 D	250005		
20237334002	**BC05079 MW-17H**	SM 4500-S-2 D	250005		
20237334003	**BC05080 MW-18H**	SM 4500-S-2 D	250005		
20237334004	**BC05081 MW-7SR**	SM 4500-S-2 D	250005		
20237334005	**BC05082 MW-7DR**	SM 4500-S-2 D	250005		
20237334006	**BC05083 FB-1**	SM 4500-S-2 D	250005		
20237334007	**BC05084 MW-32H**	SM 4500-S-2 D	250232		
20237334008	**BC05085 MW-20HS**	SM 4500-S-2 D	250232		
20237334009	**BC05086 MW-20HS DUP**	SM 4500-S-2 D	250232		
20237334010	**BC05087 MW-20H**	SM 4500-S-2 D	250232		
20237334011	**BC05088 MW-9SR**	SM 4500-S-2 D	250005		
20237334012	**BC05089 MW-9DR**	SM 4500-S-2 D	250005		
20237334013	**BC05090 MW-16**	SM 4500-S-2 D	250005		
20237334014	**BC05091 MW-15**	SM 4500-S-2 D	250232		
20237334015	**BC05092 MW-15 DUP**	SM 4500-S-2 D	250232		
20237334016	**BC05093 MW-14R**	SM 4500-S-2 D	250232		
20237334017	**BC05094 MW-13DR**	SM 4500-S-2 D	250232		
20237334018	**BC05095 MW-13SR**	SM 4500-S-2 D	250232		
20237334019	**BC05096 MW-19HA**	SM 4500-S-2 D	250232		
20237334020	**BC05097 FB-3**	SM 4500-S-2 D	250232		
20237334021	**BC05098 MW-34H**	SM 4500-S-2 D	250232		
20237334022	**BC05471 MW-33H**	SM 4500-S-2 D	250508		
20237334023	**BC05472 MW-5**	SM 4500-S-2 D	250508		
20237334024	**BC05473 MW-5 DUP**	SM 4500-S-2 D	250508		
20237334025	**BC05474 PZ-5**	SM 4500-S-2 D	250508		
20237334026	**BC05475 MW-4**	SM 4500-S-2 D	250663		
20237334027	**BC05476 MW-4V**	SM 4500-S-2 D	250663		
20237334028	**BC05477 MW-4V DUP**	SM 4500-S-2 D	250663		
20237334029	**BC05478 MW-27HR**	SM 4500-S-2 D	250508		
20237334030	**BC05479 MW-28H**	SM 4500-S-2 D	250508		
20237334031	**BC05480 FB-2**	SM 4500-S-2 D	250508		
20237334032	**BC05481 MW-23**	SM 4500-S-2 D	250663		
20237334033	**BC05482 MW-1**	SM 4500-S-2 D	250663		
20237334034	**BC05697 MW-6**	SM 4500-S-2 D	250663		
20237334035	**BC05698 MW-6V**	SM 4500-S-2 D	250663		
20237334036	**BC05699 MW-3S**	SM 4500-S-2 D	250663		
20237334037	**BC05700 FB-4**	SM 4500-S-2 D	250663		
20237334038	**BC05701 MW-3D**	SM 4500-S-2 D	250663		
20237334039	**BC05702 MW-2**	SM 4500-S-2 D	250663		
20237334040	**BC05703 MW-10**	SM 4500-S-2 D	250981		
20237334041	**BC05704 MW-21**	SM 4500-S-2 D	250981		
20237334042	**BC05705 MW-37H**	SM 4500-S-2 D	250981		
20237334043	**BC05706 MW-30H**	SM 4500-S-2 D	250830		
20237334044	**BC05707 MW-11**	SM 4500-S-2 D	250830		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1354
Pace Project No.: 20237334

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20237334045	**BC05708 FB-5**	SM 4500-S-2 D	250830		
20237334046	**BC05709 MW-36HR**	SM 4500-S-2 D	250830		
20237334047	**BC05710 MW-31H**	SM 4500-S-2 D	250830		
20237334048	**BC05711 MW-12**	SM 4500-S-2 D	250981		
20237334049	**BC05712 EB-1**	SM 4500-S-2 D	250981		
20237334050	**BC05713 MW-23A**	SM 4500-S-2 D	250830		
20237334051	**BC05714 MW-22S**	SM 4500-S-2 D	250830		
20237334052	**BC05715 MW-22S DUP**	SM 4500-S-2 D	250830		
20237334053	**BC05716 MW-22I**	SM 4500-S-2 D	250830		
20237334054	**BC05717 MW-22D**	SM 4500-S-2 D	250981		

WO# : 20237334

20237334

CHAIN-OF-CUSTODY / Analytical Request Docum

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

Page : 1 Of

Section A – Required Client Information:		Section B – Required Project Information:		Section C – Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	17210

Regulatory Agency

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide		Residual Chlorine (Y/N)	
1	BC05078	MW-35H	APCO-MR-AP-MW-35H	APCO_Miller_AshPond				GW	G	3/8/2022	7:57	1		X								X			
2	BC05079	MW-17H	APCO-MR-AP-MW-17H	APCO_Miller_AshPond				GW	G	3/8/2022	9:14	1		X								X			
3	BC05080	MW-18H	APCO-MR-AP-MW-18H	APCO_Miller_AshPond				GW	G	3/8/2022	10:38	1		X								X			
4	BC05081	MW-7SR	APCO-MR-AP-MW-7SR	APCO_Miller_AshPond				GW	G	3/8/2022	12:48	1		X								X			
5	BC05082	MW-7DR	APCO-MR-AP-MW-7DR	APCO_Miller_AshPond				GW	G	3/8/2022	13:46	1		X								X			
6	BC05083	FB-1	APCO-MR-AP-FB-01	APCO_Miller_AshPond				GW	G	3/8/2022	14:35	1		X								X			
7	BC05084	MW-32H	APCO-MR-AP-MW-32H	APCO_Miller_AshPond				GW	G	3/9/2022	8:42	1		X								X			
8	BC05085	MW-20HS	APCO-MR-AP-MW-20HS	APCO_Miller_AshPond				GW	G	3/9/2022	10:30	1		X								X			
9	BC05086	MW-20HS DUP	APCO-MR-AP-MW-20HS	APCO_Miller_AshPond	X			GW	G	3/9/2022	10:30	1		X								X			
10	BC05087	MW-20H	APCO-MR-AP-MW-20H	APCO_Miller_AshPond				GW	G	3/9/2022	12:23	1		X								X			
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/10/2022	12:37							
	Courier	3/11/22	9:35	[signature] Pace	3/11/22	9:35	1.8	9	[illegible]	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 2 Of

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	17210

Regulatory Agency:

State / Location: AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide	Residual Chlorine (Y/N)
												Requested Analysis Filtered (Y/N)											
1	BC05088	MW-9SR	APCO-MR-AP-MW-9SR	APCO_Miller_AshPond				GW	G	3/8/2022	9:39	1		X								X	
2	BC05089	MW-9DR	APCO-MR-AP-MW-9DR	APCO_Miller_AshPond				GW	G	3/8/2022	11:00	1		X								X	
3	BC05090	MW-16	APCO-MR-AP-MW-16	APCO_Miller_AshPond				GW	G	3/8/2022	13:25	1		X								X	
4	BC05091	MW-15	APCO-MR-AP-MW-15	APCO_Miller_AshPond				GW	G	3/9/2022	10:09	1		X								X	
5	BC05092	MW-15 DUP	APCO-MR-AP-MW-15	APCO_Miller_AshPond	X			GW	G	3/9/2022	10:09	1		X								X	
6	BC05093	MW-14R	APCO-MR-AP-MW-14R	APCO_Miller_AshPond				GW	G	3/9/2022	11:38	1		X								X	
7	BC05094	MW-13DR	APCO-MR-AP-MW-13DR	APCO_Miller_AshPond				GW	G	3/9/2022	13:27	1		X								X	
8	BC05095	MW-13SR	APCO-MR-AP-MW-13SR	APCO_Miller_AshPond				GW	G	3/9/2022	15:10	1		X								X	
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/10/2022	12:37							
	Courier	3/11/22	9:35	Pace	3/11/22	9:35	1.8	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 3 Of

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP 1354	Pace Profile #:	17210

Regulatory Agency

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05096	MW-19HA	APCO-MR-AP-MW-19HA	APCO_Miller_AshPond				GW	G	3/9/2022	11:43	1		X								X			
2	BC05097	FB-3	APCO-MR-AP-FB-03	APCO_Miller_AshPond				GW	G	3/9/2022	12:20	1		X								X			
3	BC05098	MW-34H	APCO-MR-AP-MW-34H	APCO_Miller_AshPond				GW	G	3/9/2022	14:15	1		X								X			
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/10/2022	12:37							
	Courier	3/11/22	9:35	Pace	3/11/22	9:35	1.8	4	4	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Goggins

SIGNATURE of SAMPLER: DATE Signed:

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

WO# : 20237334

PM: KHB Due Date: 03/23/22

CLIENT: 20-Alabama

CHAIN-OF-CUSTODY / Analytical Request Docum

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Page : 4 Of

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	17210

Regulatory Agency

State / Location: AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
												Requested Analysis Filtered (Y/N)														
1	BC05471	MW-33H	APCO-MR-AP-MW-33H	APCO_Miller_AshPond				GW	G	3/14/2022	11:54	1		X								X			
2	BC05472	MW-5	APCO-MR-AP-MW-5	APCO_Miller_AshPond				GW	G	3/14/2022	13:05	1		X								X			
3	BC05473	MW-5 DUP	APCO-MR-AP-MW-5	APCO_Miller_AshPond	X			GW	G	3/14/2022	13:05	1		X								X			
4	BC05474	PZ-5	APCO-MR-AP-PZ-5	APCO_Miller_AshPond				GW	G	3/14/2022	14:58	1		X								X			
5	BC05475	MW-4	APCO-MR-AP-MW-4	APCO_Miller_AshPond				GW	G	3/15/2022	8:49	1		X								X			
6	BC05476	MW-4V	APCO-MR-AP-MW-4V	APCO_Miller_AshPond				GW	G	3/15/2022	9:38	1		X								X			
7	BC05477	MW-4V DUP	APCO-MR-AP-MW-4V	APCO_Miller_AshPond	X			GW	G	3/15/2022	9:38	1		X								X			
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/15/2022	15:45	Gary Hammond						
	Gary Hammond	3/16/22	9:55	Pace	3/16/22	9:55	1.5	4	Y	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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Page : 5 Of

Section A — Required Client Information:

Company:	Alabama Power Company
Address:	744 Highway 87 GSC Bldg #8
	Calera, AL 35040
Email To:	lbmidkif@southernco.com
Phone:	205-664-6197 Fax:
Requested Due Date:	Normal

Section B — Required Project Information:

Report To:	Laura Midkiff
Copy To:	Brooke Caton & Renee Jernigan
Purchase Order #:	APC10755638
Project Name:	Plant Miller Ash Pond
Project Number:	WMWMILAP_1354

Section C — Invoice Information:

Attention:	Laura Midkiff
Company Name:	Alabama Power Co.
Address:	744 Highway 87 GSC Bldg #8
Pace Quote:	CCR
Pace Project Manager:	Karen Brown
Pace Profile #:	17210

Regulatory Agency

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05478	MW-27HR	APCO-MR-AP-MW-27HR	APCO_Miller_AshPond				GW	G	3/14/2022	12:18	1		X								X			
2	BC05479	MW-28H	APCO-MR-AP-MW-28H	APCO_Miller_AshPond				GW	G	3/14/2022	14:40	1		X								X			
3	BC05480	FB-2	APCO-MR-AP-FB-02	APCO_Miller_AshPond				GW	G	3/14/2022	15:45	1		X								X			
4	BC05481	MW-23	APCO-MR-AP-MW-23	APCO_Miller_AshPond				GW	G	3/15/2022	9:45	1		X								X			
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/15/2022	15:45	Greyhound						
	Greyhound	3/16/22	9:55	Pace	3/16/22	9:55	Y NCF 1.5	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Do[illegible]

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

Page : 6 Of

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	17210

Regulatory Agency

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05482	MW-1	APCO-MR-AP-MW-1	APCO_Miller_AshPond				GW	G	3/15/2022	11:10	1		X								X			
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/15/2022	15:45	~~FedEx~~ Greyhound						
	Greyhound	3/16/22	9:55	[illegible] Pace	3/16/22	9:55	1.5	4	4	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Goggins

SIGNATURE of SAMPLER: DATE Signed:

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

WO# : 20237334

PM: KHB **Due Date: 03/23/22**

CLIENT: 20-Alabama

CHAIN-OF-CUSTODY / Analytical Request Docume

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

Page : 7 Of 9

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	17210

Regulatory Agency:

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05697	MW-6	APCO-MR-AP-MW-6	APCO_Miller_AshPond				GW	G	3/16/2022	9:05	1		X								X			
2	BC05698	MW-6V	APCO-MR-AP-MW-6V	APCO_Miller_AshPond				GW	G	3/16/2022	10:49	1		X								X			
3	BC05699	MW-3S	APCO-MR-AP-MW-3S	APCO_Miller_AshPond				GW	G	3/16/2022	12:42	1		X								X			
4	BC05700	FB-4	APCO-MR-AP-FB-04	APCO_Miller_AshPond				GW	G	3/16/2022	13:25	1		X								X			
5	BC05701	MW-3D	APCO-MR-AP-MW-3D	APCO_Miller_AshPond				GW	G	3/16/2022	14:00	1		X								X			
6	BC05702	MW-2	APCO-MR-AP-MW-2	APCO_Miller_AshPond				GW	G	3/16/2022	15:43	1		X								X			
7	BC05703	MW-10	APCO-MR-AP-MW-10	APCO_Miller_AshPond				GW	G	3/17/2022	7:56	1		X								X			
8	BC05704	MW-21	APCO-MR-AP-MW-21	APCO_Miller_AshPond				GW	G	3/17/2022	9:28	1		X								X			
9	BC05705	MW-37H	APCO-MR-AP-MW-37H	APCO_Miller_AshPond				GW	G	3/17/2022	10:49	1		X								X			
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/17/2022	14:40	Greyhound						
	Greyhound	3/18/22	9:45	Pace	3/18/22	9:45	1.8	4	4	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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Page : 8 Of 9

Section A — Required Client Information:

Company:	Alabama Power Company
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040
Email To:	lbmidkif@southernco.com
Phone:	205-664-6197 Fax:
Requested Due Date:	Normal

Section B — Required Project Information:

Report To:	Laura Midkiff
Copy To:	Brooke Caton & Renee Jernigan
Purchase Order #:	APC10755638
Project Name:	Plant Miller Ash Pond
Project Number:	WMWMILAP_1354

Section C — Invoice Information:

Attention:	Laura Midkiff
Company Name:	Alabama Power Co.
Address:	744 Highway 87 GSC Bldg #8
Pace Quote:	CCR
Pace Project Manager:	Karen Brown
Pace Profile #:	17210

Regulatory Agency:

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3	Y/N	Analysis Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide	Residual Chlorine (Y/N)
1	BC05706	MW-30H	APCO-MR-AP-MW-30H	APCO_Miller_AshPond				GW	G	3/16/2022	11:10	1		X						X	
2	BC05707	MW-11	APCO-MR-AP-MW-11	APCO_Miller_AshPond				GW	G	3/16/2022	13:27	1		X						X	
3	BC05708	FB-5	APCO-MR-AP-FB-05	APCO_Miller_AshPond				GW	G	3/16/2022	15:50	1		X						X	
4	BC05709	MW-36HR	APCO-MR-AP-MW-36HR	APCO_Miller_AshPond				GW	G	3/16/2022	16:57	1		X						X	
5	BC05710	MW-31H	APCO-MR-AP-MW-31H	APCO_Miller_AshPond				GW	G	3/16/2022	19:27	1		X						X	
6	BC05711	MW-12	APCO-MR-AP-MW-12	APCO_Miller_AshPond				GW	G	3/17/2022	9:40	1		X						X	
7	BC05712	EB-1	APCO-MR-AP-EB-01	APCO_Miller_AshPond				GW	G	3/17/2022	10:40	1		X						X	
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/17/2022	14:40							
	Greyhound	3/18/22	9:45	Greyhound Pace	3/18/22	9:45	1.8	4	4	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Goggins

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.8	4	4	4

CHAIN-OF-CUSTODY / Analytical Request Document

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Page : 9 Of 9

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Karen Brown
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	17210

Regulatory Agency

State / Location: AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide	Residual Chlorine (Y/N)	
					Requested Analysis Filtered (Y/N)								Preservatives												
1	BC05713	MW-23A	APCO-MR-AP-MW-23A	APCO_Miller_AshPond				GW	G	3/16/2022	11:00	1		X								X		
2	BC05714	MW-22S	APCO-MR-AP-MW-22S	APCO_Miller_AshPond				GW	G	3/16/2022	13:33	1		X								X		
3	BC05715	MW-22S DUP	APCO-MR-AP-MW-22S	APCO_Miller_AshPond	X			GW	G	3/16/2022	13:33	1		X								X		
4	BC05716	MW-22I	APCO-MR-AP-MW-22I	APCO_Miller_AshPond				GW	G	3/16/2022	14:58	1		X								X		
5	BC05717	MW-22D	APCO-MR-AP-MW-22D	APCO_Miller_AshPond				GW	G	3/17/2022	11:13	1		X								X		
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Midkiff/ APC GTL	3/17/2022	14:40	Greyhound						
	Greyhound	3/18/22	9:45	Pace	3/18/22	9:45	1.8	4	4	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

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

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon Recei

Project:

WO#: 20237334

PM: KHB **Due Date: 03/23/22**

CLIENT: 20-Alabama

Courier: ☑ Pace Courier ☐ Hired Courier ☐ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑ Yes ☐ No

Therometer Used: ☐ Therm Fisher IR 7 ☑ Therm Fisher IR 10

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and initials of person examining contents: 3/11/22 AZ

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☐ Yes	☑ No ☐ N/A	1
Chain of Custody Present:	☑ Yes	☐ No ☐ N/A	2
Chain of Custody Complete:	☑ Yes	☐ No ☐ N/A	3
Chain of Custody Relinquished:	☐ Yes	☐ No ☐ N/A	4
Sampler Name & Signature on COC:	☑ Yes	☐ No ☐ N/A	5
Samples Arrived within Hold Time:	☑ Yes	☐ No ☐ N/A	6
Sufficient Volume:	☑ Yes	☐ No ☐ N/A	7
Correct Containers Used:	☑ Yes	☐ No ☐ N/A	8
Filtered vol. Rec. for Diss. tests	☐ Yes	☐ No ☑ N/A	9
Sample Labels match COC:	☑ Yes	☐ No ☐ N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑ Yes	☐ No ☐ N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☑ Yes	☐ No ☐ N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☑ Yes	☐ No ☐ N/A	13 If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No ☑ N/A	14
Trip Blank Present:	☐ Yes	☑ No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Samples001-021 Received 3/11/22
Samples 022-033 Received 3/16/22
Samples 034-054 Received 3/18/22

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 02, 2022

Brooke Caton
Alabama Power
744 Highway 87
Calera, AL 35040

RE: Project: WMWMILAP_1354
Pace Project No.: 30475234

Dear Brooke Caton:

Enclosed are the analytical results for sample(s) received by the laboratory on March 23, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Blaine Denton, Alabama Power
Renee Jernigan, Alabama Power
Laura Midkiff, Alabama Power

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: WMWMILAP_1354
Pace Project No.: 30475234

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30475234001	**BC05078 MW-35H**	Water	03/08/22 07:57	03/23/22 09:45
30475234002	**BC05078 MW-35H MS**	Water	03/08/22 07:57	03/23/22 09:45
30475234003	**BC05078 MW-35H MSD**	Water	03/08/22 07:57	03/23/22 09:45
30475234004	**BC05079 MW-17H**	Water	03/08/22 09:14	03/23/22 09:45
30475234005	**BC05080 MW-18H**	Water	03/08/22 10:38	03/23/22 09:45
30475234006	**BC05081 MW-7SR**	Water	03/08/22 12:48	03/23/22 09:45
30475234007	**BC05082 MW-7DR**	Water	03/08/22 13:46	03/23/22 09:45
30475234008	**BC05083 FB-1**	Water	03/08/22 14:35	03/23/22 09:45
30475234009	**BC05084 MW-32H**	Water	03/09/22 08:42	03/23/22 09:45
30475234010	**BC05085 MW-20HS**	Water	03/09/22 10:30	03/23/22 09:45
30475234011	**BC05086 MW-20HS DUP**	Water	03/09/22 10:30	03/23/22 09:45
30475234012	**BC05087 MW-20H**	Water	03/09/22 12:23	03/23/22 09:45
30475234013	**BC05088 MW-9SR**	Water	03/08/22 09:39	03/23/22 09:45
30475234014	**BC05089 MW-9DR**	Water	03/08/22 11:00	03/23/22 09:45
30475234015	**BC05090 MW-16**	Water	03/08/22 13:25	03/23/22 09:45
30475234016	**BC05090 MW-16 MS**	Water	03/08/22 13:25	03/23/22 09:45
30475234017	**BC05090 MW-16 MSD**	Water	03/08/22 13:25	03/23/22 09:45
30475234018	**BC05091 MW-15**	Water	03/09/22 10:09	03/23/22 09:45
30475234019	**BC05092 MW-15 DUP**	Water	03/09/22 10:09	03/23/22 09:45
30475234020	**BC05093 MW-14R**	Water	03/09/22 11:38	03/23/22 09:45
30475234021	**BC05094 MW-13DR**	Water	03/09/22 13:27	03/23/22 09:45
30475234022	**BC05095 MW-13SR**	Water	03/09/22 15:10	03/23/22 09:45
30475234023	**BC05096 MW-19HA**	Water	03/09/22 11:43	03/23/22 09:45
30475234024	**BC05097 FB-3**	Water	03/09/22 12:20	03/23/22 09:45
30475234025	**BC05098 MW-34H**	Water	03/09/22 14:15	03/23/22 09:45
30475234026	**BC05471 MW-33H**	Water	03/14/22 11:54	03/23/22 09:45
30475234027	**BC05472 MW-5**	Water	03/14/22 13:05	03/23/22 09:45
30475234028	**BC05473 MW-5 DUP**	Water	03/14/22 13:05	03/23/22 09:45
30475234029	**BC05474 PZ-5**	Water	03/14/22 14:58	03/23/22 09:45
30475234030	**BC05475 MW-4**	Water	03/15/22 08:49	03/23/22 09:45
30475234031	**BC05476 MW-4V**	Water	03/15/22 09:38	03/23/22 09:45
30475234032	**BC05477 MW-4V DUP**	Water	03/15/22 09:38	03/23/22 09:45
30475234033	**BC05478 MW-27HR**	Water	03/14/22 12:18	03/23/22 09:45
30475234034	**BC05479 MW-28H**	Water	03/14/22 14:40	03/23/22 09:45
30475234035	**BC05480 FB-2**	Water	03/14/22 15:45	03/23/22 09:45
30475234036	**BC05481 MW-23**	Water	03/15/22 09:45	03/23/22 09:45
30475234037	**BC05482 MW-1**	Water	03/15/22 11:10	03/23/22 09:45

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30475234038	**BC05697 MW-6**	Water	03/16/22 09:05	03/23/22 09:45
30475234039	**BC05697 MW-6 MS**	Water	03/16/22 09:05	03/23/22 09:45
30475234040	**BC05697 MW-6 MSD**	Water	03/16/22 09:05	03/23/22 09:45
30475234041	**BC05698 MW-6V**	Water	03/16/22 10:49	03/23/22 09:45
30475234042	**BC05699 MW-3S**	Water	03/16/22 12:42	03/23/22 09:45
30475234043	**BC05700 FB-4**	Water	03/16/22 13:25	03/23/22 09:45
30475234044	**BC05701 MW-3D**	Water	03/16/22 14:00	03/23/22 09:45
30475234045	**BC05702 MW-2**	Water	03/16/22 15:43	03/23/22 09:45
30475234046	**BC05703 MW-10**	Water	03/17/22 07:56	03/23/22 09:45
30475234047	**BC05704 MW-21**	Water	03/17/22 09:28	03/23/22 09:45
30475234048	**BC05705 MW-37H**	Water	03/17/22 10:49	03/23/22 09:45
30475234049	**BC05706 MW-30H**	Water	03/16/22 11:10	03/23/22 09:45
30475234050	**BC05707 MW-11**	Water	03/16/22 13:27	03/23/22 09:45
30475234051	**BC05708 FB-5**	Water	03/16/22 15:50	03/23/22 09:45
30475234052	**BC05709 MW-36HR**	Water	03/16/22 16:57	03/23/22 09:45
30475234053	**BC05710 MW-31H**	Water	03/16/22 19:27	03/23/22 09:45
30475234054	**BC05711 MW-12**	Water	03/17/22 09:40	03/23/22 09:45
30475234055	**BC05712 EB-1**	Water	03/17/22 10:40	03/23/22 09:45
30475234056	**BC05713 MW-23A**	Water	03/16/22 11:00	03/23/22 09:45
30475234057	**BC05714 MW-22S**	Water	03/16/22 13:33	03/23/22 09:45
30475234058	**BC05715 MW-22S DUP**	Water	03/16/22 13:33	03/23/22 09:45
30475234059	**BC05716 MW-22I**	Water	03/16/22 14:58	03/23/22 09:45
30475234060	**BC05717 MW-22D**	Water	03/17/22 11:13	03/23/22 09:45

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30475234001	**BC05078 MW-35H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234002	**BC05078 MW-35H MS**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30475234003	**BC05078 MW-35H MSD**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30475234004	**BC05079 MW-17H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234005	**BC05080 MW-18H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234006	**BC05081 MW-7SR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234007	**BC05082 MW-7DR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234008	**BC05083 FB-1**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234009	**BC05084 MW-32H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234010	**BC05085 MW-20HS**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234011	**BC05086 MW-20HS DUP**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234012	**BC05087 MW-20H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234013	**BC05088 MW-9SR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30475234014	**BC05089 MW-9DR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234015	**BC05090 MW-16**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234016	**BC05090 MW-16 MS**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30475234017	**BC05090 MW-16 MSD**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30475234018	**BC05091 MW-15**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234019	**BC05092 MW-15 DUP**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234020	**BC05093 MW-14R**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234021	**BC05094 MW-13DR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234022	**BC05095 MW-13SR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234023	**BC05096 MW-19HA**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234024	**BC05097 FB-3**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234025	**BC05098 MW-34H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234026	**BC05471 MW-33H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30475234027	**BC05472 MW-5**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234028	**BC05473 MW-5 DUP**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234029	**BC05474 PZ-5**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234030	**BC05475 MW-4**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234031	**BC05476 MW-4V**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234032	**BC05477 MW-4V DUP**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234033	**BC05478 MW-27HR**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234034	**BC05479 MW-28H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234035	**BC05480 FB-2**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234036	**BC05481 MW-23**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234037	**BC05482 MW-1**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234038	**BC05697 MW-6**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234039	**BC05697 MW-6 MS**	EPA 9315	JC2	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	JSM	1	PASI-PA
30475234040	BC05697 MW-6 MSD	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
30475234041	BC05698 MW-6V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234042	BC05699 MW-3S	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234043	BC05700 FB-4	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234044	BC05701 MW-3D	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234045	BC05702 MW-2	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234046	BC05703 MW-10	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234047	BC05704 MW-21	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234048	BC05705 MW-37H	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234049	BC05706 MW-30H	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234050	BC05707 MW-11	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234051	BC05708 FB-5	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234052	BC05709 MW-36HR	EPA 9315	JC2	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234053	**BC05710 MW-31H**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234054	**BC05711 MW-12**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234055	**BC05712 EB-1**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234056	**BC05713 MW-23A**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234057	**BC05714 MW-22S**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234058	**BC05715 MW-22S DUP**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234059	**BC05716 MW-22I**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30475234060	**BC05717 MW-22D**	EPA 9315	JC2	1	PASI-PA
		EPA 9320	JSM	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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PROJECT NARRATIVE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Method: **EPA 9315**
Description: 9315 Total Radium
Client: Alabama Power
Date: May 02, 2022

General Information:
60 samples were analyzed for EPA 9315 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Method: **EPA 9320**
Description: 9320 Radium 228
Client: Alabama Power
Date: May 02, 2022

General Information:
60 samples were analyzed for EPA 9320 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Method: **Total Radium Calculation**
Description: Total Radium 228+226
Client: Alabama Power
Date: May 02, 2022

General Information:
54 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05078 MW-35H **Lab ID: 30475234001** Collected: 03/08/22 07:57 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.248U ± 0.172 (0.269) C:96% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.12 ± 0.427 (0.596) C:77% T:79%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.37 ± 0.599 (0.865)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05078 MW-35H MS **Lab ID: 30475234002** Collected: 03/08/22 07:57 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**95.28 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**94.28 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/12/22 12:21	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05078 MW-35H MSD **Lab ID: 30475234003** Collected: 03/08/22 07:57 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**110.27 %REC 14.59RPD ± NA (NA) C:NA T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**87.25 %REC 7.74 RPD ± NA (NA) C:NA T:NA**	pCi/L	04/12/22 12:21	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05079 MW-17H **Lab ID: 30475234004** Collected: 03/08/22 09:14 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.417 ± 0.225 (0.293) C:92% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.479U ± 0.385 (0.768) C:74% T:87%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.896U ± 0.610 (1.06)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05080 MW-18H **Lab ID: 30475234005** Collected: 03/08/22 10:38 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0661U ± 0.0750 (0.313) C:83% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.528U ± 0.384 (0.744) C:75% T:80%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.528U ± 0.459 (1.06)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05081 MW-7SR **Lab ID: 30475234006** Collected: 03/08/22 12:48 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0320U ± 0.141 (0.356) C:100% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.617U ± 0.369 (0.673) C:72% T:87%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.649U ± 0.510 (1.03)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05082 MW-7DR **Lab ID: 30475234007** Collected: 03/08/22 13:46 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.117U ± 0.133 (0.257) C:100% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.146U ± 0.283 (0.622) C:77% T:93%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.263U ± 0.416 (0.879)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05083 FB-1 **Lab ID: 30475234008** Collected: 03/08/22 14:35 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.110U ± 0.130 (0.255) C:99% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.132U ± 0.303 (0.741) C:73% T:84%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.110U ± 0.433 (0.996)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05084 MW-32H **Lab ID: 30475234009** Collected: 03/09/22 08:42 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.441 ± 0.219 (0.276) C:99% T:NA**	pCi/L	04/19/22 20:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0557U ± 0.235 (0.541) C:77% T:91%**	pCi/L	04/12/22 12:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.497U ± 0.454 (0.817)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05085 MW-20HS **Lab ID: 30475234010** Collected: 03/09/22 10:30 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0360U ± 0.101 (0.250) C:103% T:NA**	pCi/L	04/19/22 18:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.291U ± 0.302 (0.623) C:76% T:88%**	pCi/L	04/12/22 12:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.327U ± 0.403 (0.873)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05086 MW-20HS DUP **Lab ID: 30475234011** Collected: 03/09/22 10:30 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0681U ± 0.144 (0.338) C:99% T:NA**	pCi/L	04/19/22 18:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.352U ± 0.323 (0.654) C:76% T:87%**	pCi/L	04/12/22 12:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.420U ± 0.467 (0.992)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05087 MW-20H **Lab ID: 30475234012** Collected: 03/09/22 12:23 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0200U ± 0.120 (0.316) C:96% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.388U ± 0.345 (0.694) C:78% T:92%**	pCi/L	04/12/22 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.408U ± 0.465 (1.01)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05088 MW-9SR **Lab ID: 30475234013** Collected: 03/08/22 09:39 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.209U ± 0.172 (0.299) C:100% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.238U ± 0.363 (0.785) C:77% T:89%**	pCi/L	04/12/22 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.447U ± 0.535 (1.08)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05089 MW-9DR **Lab ID: 30475234014** Collected: 03/08/22 11:00 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.145U ± 0.145 (0.270) C:100% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.146U ± 0.353 (0.864) C:71% T:84%**	pCi/L	04/12/22 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.145U ± 0.498 (1.13)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05090 MW-16 **Lab ID: 30475234015** Collected: 03/08/22 13:25 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0602U ± 0.145 (0.347) C:94% T:NA**	pCi/L	04/20/22 07:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.395U ± 0.399 (0.820) C:68% T:88%**	pCi/L	04/13/22 13:15	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.455U ± 0.544 (1.17)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05090 MW-16 MS **Lab ID: 30475234016** Collected: 03/08/22 13:25 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**100.25 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**75.43 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/13/22 13:20	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05090 MW-16 MSD **Lab ID: 30475234017** Collected: 03/08/22 13:25 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**96.27 %REC 4.06RPD ± NA (NA) C:NA T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**87.03 %REC 14.29 RPD ± NA (NA) C:NA T:NA**	pCi/L	04/13/22 13:20	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05091 MW-15 **Lab ID: 30475234018** Collected: 03/09/22 10:09 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.150U ± 0.147 (0.273) C:100% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.237U ± 0.321 (0.687) C:78% T:93%**	pCi/L	04/12/22 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.387U ± 0.468 (0.960)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05092 MW-15 DUP **Lab ID: 30475234019** Collected: 03/09/22 10:09 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.182U ± 0.184 (0.363) C:97% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0987U ± 0.325 (0.778) C:75% T:91%**	pCi/L	04/12/22 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.182U ± 0.509 (1.14)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05093 MW-14R **Lab ID: 30475234020** Collected: 03/09/22 11:38 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.288 ± 0.188 (0.268) C:91% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.129U ± 0.352 (0.787) C:77% T:85%**	pCi/L	04/12/22 15:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.417U ± 0.540 (1.06)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05094 MW-13DR **Lab ID: 30475234021** Collected: 03/09/22 13:27 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.131U ± 0.138 (0.258) C:97% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.153U ± 0.335 (0.742) C:77% T:87%**	pCi/L	04/12/22 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.284U ± 0.473 (1.000)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05095 MW-13SR **Lab ID: 30475234022** Collected: 03/09/22 15:10 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.655 ± 0.279 (0.307) C:93% T:NA**	pCi/L	04/20/22 07:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.623U ± 0.381 (0.708) C:75% T:94%**	pCi/L	04/12/22 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.28 ± 0.660 (1.02)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05096 MW-19HA **Lab ID: 30475234023** Collected: 03/09/22 11:43 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.109U ± 0.139 (0.282) C:88% T:NA**	pCi/L	04/20/22 07:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.316U ± 0.380 (0.802) C:80% T:77%**	pCi/L	04/21/22 12:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.425U ± 0.519 (1.08)**	pCi/L	04/22/22 16:17	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05097 FB-3 **Lab ID: 30475234024** Collected: 03/09/22 12:20 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00192U ± 0.107 (0.303) C:100% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.126U ± 0.343 (0.773) C:66% T:87%**	pCi/L	04/13/22 13:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.126U ± 0.450 (1.08)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05098 MW-34H **Lab ID: 30475234025** Collected: 03/09/22 14:15 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.189U ± 0.166 (0.298) C:101% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.633U ± 0.481 (0.928) C:62% T:79%**	pCi/L	04/22/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.822U ± 0.647 (1.23)**	pCi/L	04/26/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05471 MW-33H **Lab ID: 30475234026** Collected: 03/14/22 11:54 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.300 ± 0.196 (0.292) C:93% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.355U ± 0.437 (0.922) C:62% T:83%**	pCi/L	04/13/22 13:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.655U ± 0.633 (1.21)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05472 MW-5 **Lab ID: 30475234027** Collected: 03/14/22 13:05 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0732U ± 0.126 (0.281) C:93% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.498U ± 0.498 (1.03) C:60% T:83%**	pCi/L	04/13/22 13:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.571U ± 0.624 (1.31)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05473 MW-5 DUP **Lab ID: 30475234028** Collected: 03/14/22 13:05 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0310U ± 0.154 (0.391) C:90% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.745U ± 0.526 (1.01) C:61% T:84%**	pCi/L	04/13/22 13:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.776U ± 0.680 (1.40)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05474 PZ-5 **Lab ID: 30475234029** Collected: 03/14/22 14:58 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.125U ± 0.142 (0.275) C:91% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.128U ± 0.370 (0.836) C:71% T:75%**	pCi/L	04/22/22 12:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.253U ± 0.512 (1.11)**	pCi/L	04/26/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05475 MW-4 **Lab ID: 30475234030** Collected: 03/15/22 08:49 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.158U ± 0.151 (0.270) C:93% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.127U ± 0.461 (1.04) C:59% T:83%**	pCi/L	04/13/22 13:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.285U ± 0.612 (1.31)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05476 MW-4V **Lab ID: 30475234031** Collected: 03/15/22 09:38 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00807U ± 0.103 (0.303) C:94% T:NA**	pCi/L	04/20/22 09:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.496U ± 0.405 (0.804) C:81% T:78%**	pCi/L	04/13/22 13:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.496U ± 0.508 (1.11)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05477 MW-4V DUP **Lab ID: 30475234032** Collected: 03/15/22 09:38 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.135U ± 0.151 (0.297) C:98% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.433U ± 0.452 (0.936) C:63% T:88%**	pCi/L	04/13/22 13:21	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.568U ± 0.603 (1.23)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05478 MW-27HR **Lab ID: 30475234033** Collected: 03/14/22 12:18 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.154U ± 0.170 (0.335) C:92% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.182U ± 0.379 (0.839) C:69% T:85%**	pCi/L	04/13/22 13:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.336U ± 0.549 (1.17)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05479 MW-28H **Lab ID: 30475234034** Collected: 03/14/22 14:40 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.219U ± 0.186 (0.318) C:88% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0891U ± 0.400 (0.959) C:64% T:85%**	pCi/L	04/13/22 13:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.219U ± 0.586 (1.28)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05480 FB-2 **Lab ID: 30475234035** Collected: 03/14/22 15:45 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.204U ± 0.191 (0.365) C:93% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0874U ± 0.351 (0.801) C:66% T:90%**	pCi/L	04/13/22 13:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.291U ± 0.542 (1.17)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05481 MW-23 **Lab ID: 30475234036** Collected: 03/15/22 09:45 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**5.34 ± 1.03 (0.331) C:103% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.62 ± 0.585 (0.817) C:66% T:86%**	pCi/L	04/13/22 13:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**6.96 ± 1.62 (1.15)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05482 MW-1 **Lab ID: 30475234037** Collected: 03/15/22 11:10 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.301U ± 0.225 (0.399) C:98% T:NA**	pCi/L	04/20/22 07:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.453U ± 0.385 (0.760) C:65% T:86%**	pCi/L	04/13/22 13:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.754U ± 0.610 (1.16)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05697 MW-6 **Lab ID: 30475234038** Collected: 03/16/22 09:05 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.199U ± 0.159 (0.258) C:99% T:NA**	pCi/L	04/20/22 09:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0606U ± 0.296 (0.712) C:71% T:88%**	pCi/L	04/13/22 16:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.199U ± 0.455 (0.970)**	pCi/L	04/20/22 17:47	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05697 MW-6 MS **Lab ID: 30475234039** Collected: 03/16/22 09:05 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**103.04 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/20/22 09:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**88.77 %REC ± NA (NA) C:NA T:NA**	pCi/L	04/13/22 16:31	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05697 MW-6 MSD **Lab ID: 30475234040** Collected: 03/16/22 09:05 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**95.37 %REC 7.73RPD ± NA (NA) C:NA T:NA**	pCi/L	04/20/22 09:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**84.27 %REC 5.21 RPD ± NA (NA) C:NA T:NA**	pCi/L	04/13/22 16:32	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05698 MW-6V **Lab ID: 30475234041** Collected: 03/16/22 10:49 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.155U ± 0.151 (0.275) C:97% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.338U ± 0.432 (0.917) C:69% T:80%**	pCi/L	04/13/22 13:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.493U ± 0.583 (1.19)**	pCi/L	04/20/22 17:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05699 MW-3S **Lab ID: 30475234042** Collected: 03/16/22 12:42 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.207U ± 0.182 (0.325) C:91% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.151U ± 0.407 (0.987) C:63% T:85%**	pCi/L	04/13/22 13:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.207U ± 0.589 (1.31)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05700 FB-4 **Lab ID: 30475234043** Collected: 03/16/22 13:25 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.382 ± 0.221 (0.303) C:97% T:NA**	pCi/L	04/20/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.334U ± 0.433 (0.920) C:59% T:92%**	pCi/L	04/13/22 13:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.716U ± 0.654 (1.22)**	pCi/L	04/20/22 17:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05701 MW-3D **Lab ID: 30475234044** Collected: 03/16/22 14:00 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0224U ± 0.0977 (0.258) C:101% T:NA**	pCi/L	04/20/22 09:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.235U ± 0.359 (0.777) C:72% T:91%**	pCi/L	04/13/22 16:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.257U ± 0.457 (1.04)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05702 MW-2 **Lab ID: 30475234045** Collected: 03/16/22 15:43 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.186U ± 0.160 (0.276) C:97% T:NA**	pCi/L	04/20/22 09:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.403U ± 0.405 (0.820) C:64% T:87%**	pCi/L	04/13/22 16:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.589U ± 0.565 (1.10)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05703 MW-10 **Lab ID: 30475234046** Collected: 03/17/22 07:56 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.173U ± 0.161 (0.296) C:97% T:NA**	pCi/L	04/20/22 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0586U ± 0.326 (0.746) C:73% T:90%**	pCi/L	04/13/22 16:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.232U ± 0.487 (1.04)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05704 MW-21 **Lab ID: 30475234047** Collected: 03/17/22 09:28 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.467 ± 0.221 (0.252) C:96% T:NA**	pCi/L	04/20/22 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.233U ± 0.344 (0.742) C:68% T:93%**	pCi/L	04/13/22 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.700U ± 0.565 (0.994)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05705 MW-37H **Lab ID: 30475234048** Collected: 03/17/22 10:49 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.173U ± 0.156 (0.273) C:94% T:NA**	pCi/L	04/20/22 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0613U ± 0.340 (0.811) C:66% T:88%**	pCi/L	04/13/22 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.173U ± 0.496 (1.08)**	pCi/L	04/20/22 17:47	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05706 MW-30H **Lab ID: 30475234049** Collected: 03/16/22 11:10 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.241U ± 0.171 (0.242) C:91% T:NA**	pCi/L	04/20/22 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.298U ± 0.412 (0.881) C:62% T:85%**	pCi/L	04/13/22 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.539U ± 0.583 (1.12)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05707 MW-11 **Lab ID: 30475234050** Collected: 03/16/22 13:27 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.130U ± 0.160 (0.332) C:99% T:NA**	pCi/L	04/20/22 09:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.449U ± 0.364 (0.722) C:70% T:91%**	pCi/L	04/13/22 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.579U ± 0.524 (1.05)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05708 FB-5 **Lab ID: 30475234051** Collected: 03/16/22 15:50 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00497U ± 0.0987 (0.278) C:96% T:NA**	pCi/L	04/20/22 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.259U ± 0.294 (0.761) C:66% T:90%**	pCi/L	04/13/22 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.00497U ± 0.393 (1.04)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05709 MW-36HR **Lab ID: 30475234052** Collected: 03/16/22 16:57 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.210U ± 0.184 (0.345) C:97% T:NA**	pCi/L	04/20/22 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.207U ± 0.379 (0.830) C:64% T:86%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.417U ± 0.563 (1.18)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05710 MW-31H **Lab ID: 30475234053** Collected: 03/16/22 19:27 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0477U ± 0.117 (0.282) C:98% T:NA**	pCi/L	04/20/22 09:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.653U ± 0.414 (0.757) C:63% T:87%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.701U ± 0.531 (1.04)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05711 MW-12 **Lab ID: 30475234054** Collected: 03/17/22 09:40 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.204U ± 0.170 (0.280) C:92% T:NA**	pCi/L	04/20/22 09:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.452U ± 0.381 (0.760) C:67% T:90%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.656U ± 0.551 (1.04)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05712 EB-1 **Lab ID: 30475234055** Collected: 03/17/22 10:40 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.126U ± 0.160 (0.333) C:96% T:NA**	pCi/L	04/20/22 09:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0930U ± 0.370 (0.839) C:68% T:90%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.219U ± 0.530 (1.17)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05713 MW-23A **Lab ID: 30475234056** Collected: 03/16/22 11:00 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.729 ± 0.281 (0.249) C:101% T:NA**	pCi/L	04/20/22 08:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.274U ± 0.412 (0.890) C:69% T:80%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.00U ± 0.693 (1.14)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05714 MW-22S **Lab ID: 30475234057** Collected: 03/16/22 13:33 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.160U ± 0.147 (0.250) C:97% T:NA**	pCi/L	04/20/22 08:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.100U ± 0.334 (0.757) C:66% T:88%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.260U ± 0.481 (1.01)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05715 MW-22S DUP **Lab ID: 30475234058** Collected: 03/16/22 13:33 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0587U ± 0.161 (0.391) C:96% T:NA**	pCi/L	04/20/22 08:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.747 ± 0.410 (0.726) C:69% T:91%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.806U ± 0.571 (1.12)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05716 MW-22I **Lab ID: 30475234059** Collected: 03/16/22 14:58 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0462U ± 0.107 (0.258) C:88% T:NA**	pCi/L	04/20/22 08:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.961 ± 0.454 (0.755) C:65% T:89%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.01U ± 0.561 (1.01)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

Sample: BC05717 MW-22D **Lab ID: 30475234060** Collected: 03/17/22 11:13 Received: 03/23/22 09:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.312U ± 0.216 (0.349) C:89% T:NA**	pCi/L	04/20/22 08:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.857 ± 0.394 (0.621) C:67% T:89%**	pCi/L	04/13/22 16:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.17 ± 0.610 (0.970)**	pCi/L	04/20/22 17:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 493461
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234001, 30475234002, 30475234003, 30475234004, 30475234005, 30475234006, 30475234007, 30475234008, 30475234009, 30475234010, 30475234011, 30475234012, 30475234013, 30475234014, 30475234018, 30475234019, 30475234020, 30475234021, 30475234022, 30475234023

METHOD BLANK: 2388003
Matrix: Water
Associated Lab Samples: 30475234001, 30475234002, 30475234003, 30475234004, 30475234005, 30475234006, 30475234007, 30475234008, 30475234009, 30475234010, 30475234011, 30475234012, 30475234013, 30475234014, 30475234018, 30475234019, 30475234020, 30475234021, 30475234022, 30475234023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0102 ± 0.0405 (0.134) C:94% T:NA	pCi/L	04/19/22 20:51	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 493462
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234015, 30475234016, 30475234017, 30475234024, 30475234025, 30475234026, 30475234027, 30475234028, 30475234029, 30475234030, 30475234031, 30475234032, 30475234033, 30475234034, 30475234035, 30475234036, 30475234037, 30475234041, 30475234042, 30475234043

METHOD BLANK: 2388004
Matrix: Water
Associated Lab Samples: 30475234015, 30475234016, 30475234017, 30475234024, 30475234025, 30475234026, 30475234027, 30475234028, 30475234029, 30475234030, 30475234031, 30475234032, 30475234033, 30475234034, 30475234035, 30475234036, 30475234037, 30475234041, 30475234042, 30475234043

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0418 ± 0.0655 (0.142) C:92% T:NA	pCi/L	04/20/22 07:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 493464
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234038, 30475234039, 30475234040, 30475234044, 30475234045, 30475234046, 30475234047, 30475234048, 30475234049, 30475234050, 30475234051, 30475234052, 30475234053, 30475234054, 30475234055, 30475234056, 30475234057, 30475234058, 30475234059, 30475234060

METHOD BLANK: 2388007
Matrix: Water
Associated Lab Samples: 30475234038, 30475234039, 30475234040, 30475234044, 30475234045, 30475234046, 30475234047, 30475234048, 30475234049, 30475234050, 30475234051, 30475234052, 30475234053, 30475234054, 30475234055, 30475234056, 30475234057, 30475234058, 30475234059, 30475234060

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0373 ± 0.0698 (0.160) C:90% T:NA	pCi/L	04/20/22 09:05	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 494518
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234038, 30475234039, 30475234040, 30475234044, 30475234045, 30475234046, 30475234047, 30475234048, 30475234049, 30475234050, 30475234051, 30475234052, 30475234053, 30475234054, 30475234055, 30475234056, 30475234057, 30475234058, 30475234059, 30475234060

METHOD BLANK: 2392629
Matrix: Water
Associated Lab Samples: 30475234038, 30475234039, 30475234040, 30475234044, 30475234045, 30475234046, 30475234047, 30475234048, 30475234049, 30475234050, 30475234051, 30475234052, 30475234053, 30475234054, 30475234055, 30475234056, 30475234057, 30475234058, 30475234059, 30475234060

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0874 ± 0.315 (0.714) C:73% T:91%	pCi/L	04/13/22 16:31	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 497840
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234023

METHOD BLANK: 2409451
Matrix: Water
Associated Lab Samples: 30475234023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.353 ± 0.329 (0.671) C:79% T:84%	pCi/L	04/21/22 12:51	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 494516
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234015, 30475234016, 30475234017, 30475234024, 30475234026, 30475234027, 30475234028, 30475234030, 30475234031, 30475234032, 30475234033, 30475234034, 30475234035, 30475234036, 30475234037, 30475234041, 30475234042, 30475234043

METHOD BLANK: 2392624
Matrix: Water
Associated Lab Samples: 30475234015, 30475234016, 30475234017, 30475234024, 30475234026, 30475234027, 30475234028, 30475234030, 30475234031, 30475234032, 30475234033, 30475234034, 30475234035, 30475234036, 30475234037, 30475234041, 30475234042, 30475234043

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.491 ± 0.392 (0.774) C:68% T:95%	pCi/L	04/13/22 13:20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 494514
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234001, 30475234002, 30475234003, 30475234004, 30475234005, 30475234006, 30475234007, 30475234008, 30475234009, 30475234010, 30475234011, 30475234012, 30475234013, 30475234014, 30475234018, 30475234019, 30475234020, 30475234021, 30475234022

METHOD BLANK: 2392622
Matrix: Water
Associated Lab Samples: 30475234001, 30475234002, 30475234003, 30475234004, 30475234005, 30475234006, 30475234007, 30475234008, 30475234009, 30475234010, 30475234011, 30475234012, 30475234013, 30475234014, 30475234018, 30475234019, 30475234020, 30475234021, 30475234022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.404 ± 0.311 (0.607) C:77% T:90%	pCi/L	04/12/22 12:21	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1354
Pace Project No.: 30475234

QC Batch: 497375
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30475234025, 30475234029

METHOD BLANK: 2407530 Matrix: Water
Associated Lab Samples: 30475234025, 30475234029

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.174 ± 0.342 (0.754) C:74% T:82%	pCi/L	04/22/22 12:08	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: WMWMILAP_1354
Pace Project No.: 30475234

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30475234001	BC05078 MW-35H	EPA 9315	493461		
30475234002	BC05078 MW-35H MS	EPA 9315	493461		
30475234003	BC05078 MW-35H MSD	EPA 9315	493461		
30475234004	BC05079 MW-17H	EPA 9315	493461		
30475234005	BC05080 MW-18H	EPA 9315	493461		
30475234006	BC05081 MW-7SR	EPA 9315	493461		
30475234007	BC05082 MW-7DR	EPA 9315	493461		
30475234008	BC05083 FB-1	EPA 9315	493461		
30475234009	BC05084 MW-32H	EPA 9315	493461		
30475234010	BC05085 MW-20HS	EPA 9315	493461		
30475234011	BC05086 MW-20HS DUP	EPA 9315	493461		
30475234012	BC05087 MW-20H	EPA 9315	493461		
30475234013	BC05088 MW-9SR	EPA 9315	493461		
30475234014	BC05089 MW-9DR	EPA 9315	493461		
30475234015	BC05090 MW-16	EPA 9315	493462		
30475234016	BC05090 MW-16 MS	EPA 9315	493462		
30475234017	BC05090 MW-16 MSD	EPA 9315	493462		
30475234018	BC05091 MW-15	EPA 9315	493461		
30475234019	BC05092 MW-15 DUP	EPA 9315	493461		
30475234020	BC05093 MW-14R	EPA 9315	493461		
30475234021	BC05094 MW-13DR	EPA 9315	493461		
30475234022	BC05095 MW-13SR	EPA 9315	493461		
30475234023	BC05096 MW-19HA	EPA 9315	493461		
30475234024	BC05097 FB-3	EPA 9315	493462		
30475234025	BC05098 MW-34H	EPA 9315	493462		
30475234026	BC05471 MW-33H	EPA 9315	493462		
30475234027	BC05472 MW-5	EPA 9315	493462		
30475234028	BC05473 MW-5 DUP	EPA 9315	493462		
30475234029	BC05474 PZ-5	EPA 9315	493462		
30475234030	BC05475 MW-4	EPA 9315	493462		
30475234031	BC05476 MW-4V	EPA 9315	493462		
30475234032	BC05477 MW-4V DUP	EPA 9315	493462		
30475234033	BC05478 MW-27HR	EPA 9315	493462		
30475234034	BC05479 MW-28H	EPA 9315	493462		
30475234035	BC05480 FB-2	EPA 9315	493462		
30475234036	BC05481 MW-23	EPA 9315	493462		
30475234037	BC05482 MW-1	EPA 9315	493462		
30475234038	BC05697 MW-6	EPA 9315	493464		
30475234039	BC05697 MW-6 MS	EPA 9315	493464		
30475234040	BC05697 MW-6 MSD	EPA 9315	493464		
30475234041	BC05698 MW-6V	EPA 9315	493462		
30475234042	BC05699 MW-3S	EPA 9315	493462		
30475234043	BC05700 FB-4	EPA 9315	493462		
30475234044	BC05701 MW-3D	EPA 9315	493464		
30475234045	BC05702 MW-2	EPA 9315	493464		
30475234046	BC05703 MW-10	EPA 9315	493464		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30475234047	BC05704 MW-21	EPA 9315	493464		
30475234048	BC05705 MW-37H	EPA 9315	493464		
30475234049	BC05706 MW-30H	EPA 9315	493464		
30475234050	BC05707 MW-11	EPA 9315	493464		
30475234051	BC05708 FB-5	EPA 9315	493464		
30475234052	BC05709 MW-36HR	EPA 9315	493464		
30475234053	BC05710 MW-31H	EPA 9315	493464		
30475234054	BC05711 MW-12	EPA 9315	493464		
30475234055	BC05712 EB-1	EPA 9315	493464		
30475234056	BC05713 MW-23A	EPA 9315	493464		
30475234057	BC05714 MW-22S	EPA 9315	493464		
30475234058	BC05715 MW-22S DUP	EPA 9315	493464		
30475234059	BC05716 MW-22I	EPA 9315	493464		
30475234060	BC05717 MW-22D	EPA 9315	493464		
30475234001	BC05078 MW-35H	EPA 9320	494514		
30475234002	BC05078 MW-35H MS	EPA 9320	494514		
30475234003	BC05078 MW-35H MSD	EPA 9320	494514		
30475234004	BC05079 MW-17H	EPA 9320	494514		
30475234005	BC05080 MW-18H	EPA 9320	494514		
30475234006	BC05081 MW-7SR	EPA 9320	494514		
30475234007	BC05082 MW-7DR	EPA 9320	494514		
30475234008	BC05083 FB-1	EPA 9320	494514		
30475234009	BC05084 MW-32H	EPA 9320	494514		
30475234010	BC05085 MW-20HS	EPA 9320	494514		
30475234011	BC05086 MW-20HS DUP	EPA 9320	494514		
30475234012	BC05087 MW-20H	EPA 9320	494514		
30475234013	BC05088 MW-9SR	EPA 9320	494514		
30475234014	BC05089 MW-9DR	EPA 9320	494514		
30475234015	BC05090 MW-16	EPA 9320	494516		
30475234016	BC05090 MW-16 MS	EPA 9320	494516		
30475234017	BC05090 MW-16 MSD	EPA 9320	494516		
30475234018	BC05091 MW-15	EPA 9320	494514		
30475234019	BC05092 MW-15 DUP	EPA 9320	494514		
30475234020	BC05093 MW-14R	EPA 9320	494514		
30475234021	BC05094 MW-13DR	EPA 9320	494514		
30475234022	BC05095 MW-13SR	EPA 9320	494514		
30475234023	BC05096 MW-19HA	EPA 9320	497840		
30475234024	BC05097 FB-3	EPA 9320	494516		
30475234025	BC05098 MW-34H	EPA 9320	497375		
30475234026	BC05471 MW-33H	EPA 9320	494516		
30475234027	BC05472 MW-5	EPA 9320	494516		
30475234028	BC05473 MW-5 DUP	EPA 9320	494516		
30475234029	BC05474 PZ-5	EPA 9320	497375		
30475234030	BC05475 MW-4	EPA 9320	494516		

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30475234031	BC05476 MW-4V	EPA 9320	494516		
30475234032	BC05477 MW-4V DUP	EPA 9320	494516		
30475234033	BC05478 MW-27HR	EPA 9320	494516		
30475234034	BC05479 MW-28H	EPA 9320	494516		
30475234035	BC05480 FB-2	EPA 9320	494516		
30475234036	BC05481 MW-23	EPA 9320	494516		
30475234037	BC05482 MW-1	EPA 9320	494516		
30475234038	BC05697 MW-6	EPA 9320	494518		
30475234039	BC05697 MW-6 MS	EPA 9320	494518		
30475234040	BC05697 MW-6 MSD	EPA 9320	494518		
30475234041	BC05698 MW-6V	EPA 9320	494516		
30475234042	BC05699 MW-3S	EPA 9320	494516		
30475234043	BC05700 FB-4	EPA 9320	494516		
30475234044	BC05701 MW-3D	EPA 9320	494518		
30475234045	BC05702 MW-2	EPA 9320	494518		
30475234046	BC05703 MW-10	EPA 9320	494518		
30475234047	BC05704 MW-21	EPA 9320	494518		
30475234048	BC05705 MW-37H	EPA 9320	494518		
30475234049	BC05706 MW-30H	EPA 9320	494518		
30475234050	BC05707 MW-11	EPA 9320	494518		
30475234051	BC05708 FB-5	EPA 9320	494518		
30475234052	BC05709 MW-36HR	EPA 9320	494518		
30475234053	BC05710 MW-31H	EPA 9320	494518		
30475234054	BC05711 MW-12	EPA 9320	494518		
30475234055	BC05712 EB-1	EPA 9320	494518		
30475234056	BC05713 MW-23A	EPA 9320	494518		
30475234057	BC05714 MW-22S	EPA 9320	494518		
30475234058	BC05715 MW-22S DUP	EPA 9320	494518		
30475234059	BC05716 MW-22I	EPA 9320	494518		
30475234060	BC05717 MW-22D	EPA 9320	494518		
30475234001	BC05078 MW-35H	Total Radium Calculation	498839		
30475234004	BC05079 MW-17H	Total Radium Calculation	498839		
30475234005	BC05080 MW-18H	Total Radium Calculation	498839		
30475234006	BC05081 MW-7SR	Total Radium Calculation	498839		
30475234007	BC05082 MW-7DR	Total Radium Calculation	498839		
30475234008	BC05083 FB-1	Total Radium Calculation	498839		
30475234009	BC05084 MW-32H	Total Radium Calculation	498839		
30475234010	BC05085 MW-20HS	Total Radium Calculation	498839		
30475234011	BC05086 MW-20HS DUP	Total Radium Calculation	498839		
30475234012	BC05087 MW-20H	Total Radium Calculation	498839		
30475234013	BC05088 MW-9SR	Total Radium Calculation	498839		
30475234014	BC05089 MW-9DR	Total Radium Calculation	498839		
30475234015	BC05090 MW-16	Total Radium Calculation	498843		
30475234018	BC05091 MW-15	Total Radium Calculation	498839		
30475234019	BC05092 MW-15 DUP	Total Radium Calculation	498839		
30475234020	BC05093 MW-14R	Total Radium Calculation	498839		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1354
Pace Project No.: 30475234

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30475234021	**BC05094 MW-13DR**	Total Radium Calculation	498839		
30475234022	**BC05095 MW-13SR**	Total Radium Calculation	498839		
30475234023	**BC05096 MW-19HA**	Total Radium Calculation	499467		
30475234024	**BC05097 FB-3**	Total Radium Calculation	498843		
30475234025	**BC05098 MW-34H**	Total Radium Calculation	500202		
30475234026	**BC05471 MW-33H**	Total Radium Calculation	498843		
30475234027	**BC05472 MW-5**	Total Radium Calculation	498843		
30475234028	**BC05473 MW-5 DUP**	Total Radium Calculation	498843		
30475234029	**BC05474 PZ-5**	Total Radium Calculation	500202		
30475234030	**BC05475 MW-4**	Total Radium Calculation	498843		
30475234031	**BC05476 MW-4V**	Total Radium Calculation	498843		
30475234032	**BC05477 MW-4V DUP**	Total Radium Calculation	498843		
30475234033	**BC05478 MW-27HR**	Total Radium Calculation	498843		
30475234034	**BC05479 MW-28H**	Total Radium Calculation	498843		
30475234035	**BC05480 FB-2**	Total Radium Calculation	498843		
30475234036	**BC05481 MW-23**	Total Radium Calculation	498843		
30475234037	**BC05482 MW-1**	Total Radium Calculation	498843		
30475234038	**BC05697 MW-6**	Total Radium Calculation	498836		
30475234041	**BC05698 MW-6V**	Total Radium Calculation	498843		
30475234042	**BC05699 MW-3S**	Total Radium Calculation	498843		
30475234043	**BC05700 FB-4**	Total Radium Calculation	498843		
30475234044	**BC05701 MW-3D**	Total Radium Calculation	498836		
30475234045	**BC05702 MW-2**	Total Radium Calculation	498836		
30475234046	**BC05703 MW-10**	Total Radium Calculation	498836		
30475234047	**BC05704 MW-21**	Total Radium Calculation	498836		
30475234048	**BC05705 MW-37H**	Total Radium Calculation	498836		
30475234049	**BC05706 MW-30H**	Total Radium Calculation	498836		
30475234050	**BC05707 MW-11**	Total Radium Calculation	498836		
30475234051	**BC05708 FB-5**	Total Radium Calculation	498836		
30475234052	**BC05709 MW-36HR**	Total Radium Calculation	498836		
30475234053	**BC05710 MW-31H**	Total Radium Calculation	498836		
30475234054	**BC05711 MW-12**	Total Radium Calculation	498836		
30475234055	**BC05712 EB-1**	Total Radium Calculation	498836		
30475234056	**BC05713 MW-23A**	Total Radium Calculation	498836		
30475234057	**BC05714 MW-22S**	Total Radium Calculation	498836		
30475234058	**BC05715 MW-22S DUP**	Total Radium Calculation	498836		
30475234059	**BC05716 MW-22I**	Total Radium Calculation	498836		
30475234060	**BC05717 MW-22D**	Total Radium Calculation	498836		

WO# : 30475234

30475234

CHAIN-OF-CUSTODY / Analytical Request

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	State / Location
	AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05078	MW-35H	APCO-MR-AP-MW-35H	APCO_Miller_AshPond		X		GW	G	3/8/2022	7:57	3			X				X	X	X				001,002,003
2	BC05079	MW-17H	APCO-MR-AP-MW-17H	APCO_Miller_AshPond				GW	G	3/8/2022	9:14	1			X				X	X	X				004
3	BC05080	MW-18H	APCO-MR-AP-MW-18H	APCO_Miller_AshPond				GW	G	3/8/2022	10:38	1			X				X	X	X				005
4	BC05081	MW-7SR	APCO-MR-AP-MW-7SR	APCO_Miller_AshPond				GW	G	3/8/2022	12:48	1			X				X	X	X				006
5	BC05082	MW-7DR	APCO-MR-AP-MW-7DR	APCO_Miller_AshPond				GW	G	3/8/2022	13:46	1			X				X	X	X				007
6	BC05083	FB-1	APCO-MR-AP-FB-01	APCO_Miller_AshPond				GW	G	3/8/2022	14:35	1			X				X	X	X				008
7	BC05084	MW-32H	APCO-MR-AP-MW-32H	APCO_Miller_AshPond				GW	G	3/9/2022	8:42	1			X				X	X	X				009
8	BC05085	MW-20HS	APCO-MR-AP-MW-20HS	APCO_Miller_AshPond				GW	G	3/9/2022	10:30	1			X				X	X	X				010
9	BC05086	MW-20HS DUP	APCO-MR-AP-MW-20HS	APCO_Miller_AshPond	X			GW	G	3/9/2022	10:30	1			X				X	X	X				011
10	BC05087	MW-20H	APCO-MR-AP-MW-20H	APCO_Miller_AshPond				GW	G	3/9/2022	12:23	1			X				X	X	X				012
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3/3/22	0945	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	
State / Location	AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives	Preservatives	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide	Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
1	BC05088	MW-9SR	APCO-MR-AP-MW-9SR	APCO_Miller_AshPond				GW	G	3/8/2022	9:39	1			X				X	X	X			013
2	BC05089	MW-9DR	APCO-MR-AP-MW-9DR	APCO_Miller_AshPond				GW	G	3/8/2022	11:00	1			X				X	X	X			014
3	BC05090	MW-16	APCO-MR-AP-MW-16	APCO_Miller_AshPond		X		GW	G	3/8/2022	13:25	3			X				X	X	X			015,016,017
4	BC05091	MW-15	APCO-MR-AP-MW-15	APCO_Miller_AshPond				GW	G	3/9/2022	10:09	1			X				X	X	X			018
5	BC05092	MW-15 DUP	APCO-MR-AP-MW-15	APCO_Miller_AshPond	X			GW	G	3/9/2022	10:09	1			X				X	X	X			019
6	BC05093	MW-14R	APCO-MR-AP-MW-14R	APCO_Miller_AshPond				GW	G	3/9/2022	11:38	1			X				X	X	X			020
7	BC05094	MW-13DR	APCO-MR-AP-MW-13DR	APCO_Miller_AshPond				GW	G	3/9/2022	13:27	1			X				X	X	X			021
8	BC05095	MW-13SR	APCO-MR-AP-MW-13SR	APCO_Miller_AshPond				GW	G	3/9/2022	15:10	1			X				X	X	X			022
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00	[signature]	3-22	0945	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

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

WO#: 30475234

PM: SCR Due Date: 04/13/22

CLIENT: ALABAMA PWR

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives	Preservatives	Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05096	MW-19HA	APCO-MR-AP-MW-19HA	APCO_Miller_AshPond				GW	G	3/9/2022	11:43	1			X				X	X	X				023
2	BC05097	FB-3	APCO-MR-AP-FB-03	APCO_Miller_AshPond				GW	G	3/9/2022	12:20	1			X				X	X	X				024
3	BC05098	MW-34H	APCO-MR-AP-MW-34H	APCO_Miller_AshPond				GW	G	3/9/2022	14:15	1			X				X	X	X				025
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3-B-22	0945	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Goggins

SIGNATURE of SAMPLER: DATE Signed:

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

WO#: 30475234

PM: SCR Due Date: 04/13/22

CLIENT: ALABAMA PWR

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	
State / Location	AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives	Preservatives	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide	Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
1	BC05471	MW-33H	APCO-MR-AP-MW-33H	APCO_Miller_AshPond				GW	G	3/14/2022	11:54	1			X				X	X	X			026
2	BC05472	MW-5	APCO-MR-AP-MW-5	APCO_Miller_AshPond				GW	G	3/14/2022	13:05	1			X				X	X	X			027
3	BC05473	MW-5 DUP	APCO-MR-AP-MW-5	APCO_Miller_AshPond	X			GW	G	3/14/2022	13:05	1			X				X	X	X			028
4	BC05474	PZ-5	APCO-MR-AP-PZ-5	APCO_Miller_AshPond				GW	G	3/14/2022	14:58	1			X				X	X	X			029
5	BC05475	MW-4	APCO-MR-AP-MW-4	APCO_Miller_AshPond				GW	G	3/15/2022	8:49	1			X				X	X	X			030
6	BC05476	MW-4V	APCO-MR-AP-MW-4V	APCO_Miller_AshPond				GW	G	3/15/2022	9:38	1			X				X	X	X			031
7	BC05477	MW-4V DUP	APCO-MR-AP-MW-4V	APCO_Miller_AshPond	X			GW	G	3/15/2022	9:38	1			X				X	X	X			032
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3-23-22	0945	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Dallas Gentry		
SIGNATURE of SAMPLER:		DATE Signed:	

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

WO#: 30475234

PM: SCR Due Date: 04/13/22

CLIENT: ALABAMA PWR

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	
State / Location	AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
1	BC05478	MW-27HR	APCO-MR-AP-MW-27HR	APCO_Miller_AshPond				GW	G	3/14/2022	12:18	1			X				X	X	X				033
2	BC05479	MW-28H	APCO-MR-AP-MW-28H	APCO_Miller_AshPond				GW	G	3/14/2022	14:40	1			X				X	X	X				034
3	BC05480	FB-2	APCO-MR-AP-FB-02	APCO_Miller_AshPond				GW	G	3/14/2022	15:45	1			X				X	X	X				035
4	BC05481	MW-23	APCO-MR-AP-MW-23	APCO_Miller_AshPond				GW	G	3/15/2022	9:45	1			X				X	X	X				036
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3.B22	0945	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

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

WO#: 30475234

PM: SCR Due Date: 04/13/22

CLIENT: ALABAMA PWR

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	
State / Location	AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives	Preservatives	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide		Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
1	BC05482	MW-1	APCO-MR-AP-MW-1	APCO_Miller_AshPond				GW	G	3/15/2022	11:10	1			X				X	X	X				R37
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3-23-22	0945	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Anthony Goggins		
SIGNATURE of SAMPLER:		DATE Signed:	

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

3/25/22

WO# 30475234

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	
State / Location	AL

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives	Preservatives	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide		Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
1	BC05697	MW-6	APCO-MR-AP-MW-6	APCO_Miller_AshPond		X		GW	G	3/16/2022	9:05	3			X				X	X	X				038,039,040
2	BC05698	MW-6V	APCO-MR-AP-MW-6V	APCO_Miller_AshPond				GW	G	3/16/2022	10:49	1			X				X	X	X				041
3	BC05699	MW-3S	APCO-MR-AP-MW-3S	APCO_Miller_AshPond				GW	G	3/16/2022	12:42	1			X				X	X	X				042
4	BC05700	FB-4	APCO-MR-AP-FB-04	APCO_Miller_AshPond				GW	G	3/16/2022	13:25	1			X				X	X	X				043
5	BC05701	MW-3D	APCO-MR-AP-MW-3D	APCO_Miller_AshPond				GW	G	3/16/2022	14:00	1			X				X	X	X				044
6	BC05702	MW-2	APCO-MR-AP-MW-2	APCO_Miller_AshPond				GW	G	3/16/2022	15:43	1			X				X	X	X				045
7	BC05703	MW-10	APCO-MR-AP-MW-10	APCO_Miller_AshPond				GW	G	3/17/2022	7:56	1			X				X	X	X				046
8	BC05704	MW-21	APCO-MR-AP-MW-21	APCO_Miller_AshPond				GW	G	3/17/2022	9:28	1			X				X	X	X				047
9	BC05705	MW-37H	APCO-MR-AP-MW-37H	APCO_Miller_AshPond				GW	G	3/17/2022	10:49	1			X				X	X	X				048
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3-23-22	0645	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Dallas Gentry		
SIGNATURE of SAMPLER:		DATE Signed:	

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

WO# 30475234

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkif@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives	Preservatives	Y/N: Analyses Test	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC05706	MW-30H	APCO-MR-AP-MW-30H	APCO_Miller_AshPond				GW	G	3/16/2022	11:10	1			X				X	X	X				049
2	BC05707	MW-11	APCO-MR-AP-MW-11	APCO_Miller_AshPond				GW	G	3/16/2022	13:27	1			X				X	X	X				050
3	BC05708	FB-5	APCO-MR-AP-FB-05	APCO_Miller_AshPond				GW	G	3/16/2022	15:50	1			X				X	X	X				051
4	BC05709	MW-36HR	APCO-MR-AP-MW-36HR	APCO_Miller_AshPond				GW	G	3/16/2022	16:57	1			X				X	X	X				052
5	BC05710	MW-31H	APCO-MR-AP-MW-31H	APCO_Miller_AshPond				GW	G	3/16/2022	19:27	1			X				X	X	X				053
6	BC05711	MW-12	APCO-MR-AP-MW-12	APCO_Miller_AshPond				GW	G	3/17/2022	9:40	1			X				X	X	X				054
7	BC05712	EB-1	APCO-MR-AP-EB-01	APCO_Miller_AshPond				GW	G	3/17/2022	10:40	1			X				X	X	X				055
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3/22/22	0445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Goggins

SIGNATURE of SAMPLER: DATE Signed:

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

WO# 30475234

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Laura Midkiff	Attention:	Laura Midkiff
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Renee Jernigan	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	lbmidkiff@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6197 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1354	Pace Profile #:	13805

Regulatory Agency	
State / Location	
AL	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide	Analyses Test:	Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
1	BC05713	MW-23A	APCO-MR-AP-MW-23A	APCO_Miller_AshPond				GW	G	3/16/2022	11:00	1			X				X	X	X				056
2	BC05714	MW-22S	APCO-MR-AP-MW-22S	APCO_Miller_AshPond				GW	G	3/16/2022	13:33	1			X				X	X	X				057
3	BC05715	MW-22S DUP	APCO-MR-AP-MW-22S	APCO_Miller_AshPond	X			GW	G	3/16/2022	13:33	1			X				X	X	X				058
4	BC05716	MW-22I	APCO-MR-AP-MW-22I	APCO_Miller_AshPond				GW	G	3/16/2022	14:58	1			X				X	X	X				059
5	BC05717	MW-22D	APCO-MR-AP-MW-22D	APCO_Miller_AshPond				GW	G	3/17/2022	11:13	1			X				X	X	X				060
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Laura Midkiff/ APC GTL	3/18/2022	9:00		3-23-22	0945	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	TJ Daugherty		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)
SIGNATURE of SAMPLER:	DATE Signed:				Samples Intact (Y/N)

WO# 30475234

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Alabama Power Company

Project #

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

Tracking #: 5701 6584 7114

Label PS
LIMS Login MS

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp °C Correction Factor: °C Final Temp: °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# 1002811 / Date and Initials of person examining contents: PS 3/25/22
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. PH < 2
All containers meet method preservation requirements.	✓			Initial when completed PS / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present		✓		
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: PS / Date: 3/25/22 / Survey Meter SN: 1563

WO#: 30475234
PM: SCR Due Date: 04/13/22
CLIENT: ALABAMA PWR

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

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

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	JSM
Date:	4/6/2022
Worklist:	65885
Matrix:	WI

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2392629
MB concentration:	0.087
M/B 2 Sigma CSU:	0.315
MB MDC:	0.714
MB Numerical Performance Indicator:	0.54
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
	LCS65885	LCSD65885
Count Date:	4/13/2022	
Spike I.D.:	22-016	
Decay Corrected Spike Concentration (pCi/mL):	36.121	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.806	
Target Conc. (pCi/L, g, F):	4.479	
Uncertainty (Calculated):	0.219	
Result (pCi/L, g, F):	3.958	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.981	
Numerical Performance Indicator:	-1.02	
Percent Recovery:	88.37%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	3/16/2022	
Sample I.D.	30475234038	
Sample MS I.D.	30475234039	
Sample MSD I.D.	30475234040	
Spike I.D.:	22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	36.460	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.818	
MS Target Conc.(pCi/L, g, F):	8.920	
MSD Aliquot (L, g, F):	0.819	
MSD Target Conc. (pCi/L, g, F):	8.904	
MS Spike Uncertainty (calculated):	0.437	
MSD Spike Uncertainty (calculated):	0.436	
Sample Result:	-0.061	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.296	
Sample Matrix Spike Result:	7.858	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.644	
Sample Matrix Spike Duplicate Result:	7.442	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.583	
MS Numerical Performance Indicator:	-1.137	
MSD Numerical Performance Indicator:	-1.646	
MS Percent Recovery:	88.77%	
MSD Percent Recovery:	84.27%	
MS Status vs Numerical Indicator:	Pass	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Duplicate Sample Assessment		
Sample I.D.:		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.		
Sample Result (pCi/L, g, F):		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Duplicate Result (pCi/L, g, F):		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30475234038	
Sample MS I.D.	30475234039	
Sample MSD I.D.	30475234040	
Sample Matrix Spike Result:	7.858	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.644	
Sample Matrix Spike Duplicate Result:	7.442	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.583	
Duplicate Numerical Performance Indicator:	0.357	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	5.21%	
MS/ MSD Duplicate Status vs Numerical Indicator:	Pass	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

Comments:

4/14/22

OK 4/25/22

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	JC2
Date:	3/29/2022
Worklist:	65797
Matrix:	DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2388003
MB concentration:	-0.010
M/B Counting Uncertainty:	0.040
MB MDC:	0.134
MB Numerical Performance Indicator:	-0.49
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS65797	LCSD65797
Count Date:	4/20/2022	4/20/2022
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.028	24.028
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.510	0.508
Target Conc. (pCi/L, g, F):	4.712	4.729
Uncertainty (Calculated):	0.057	0.057
Result (pCi/L, g, F):	4.966	4.747
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.461	0.464
Numerical Performance Indicator:	1.07	0.07
Percent Recovery:	105.40%	100.37%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	3/8/2022	
Sample I.D.	30475234001	
Sample MS I.D.	30475234002	
Sample MSD I.D.	30475234003	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.029	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.257	
MS Target Conc.(pCi/L, g, F):	18.665	
MSD Aliquot (L, g, F):	0.253	
MSD Target Conc. (pCi/L, g, F):	18.998	
MS Spike Uncertainty (calculated):	0.224	
MSD Spike Uncertainty (calculated):	0.228	
Sample Result:	0.248	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.168	
Sample Matrix Spike Result:	18.032	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.239	
Sample Matrix Spike Duplicate Result:	21.197	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.340	
MS Numerical Performance Indicator:	-1.360	
MSD Numerical Performance Indicator:	2.793	
MS Percent Recovery:	95.28%	
MSD Percent Recovery:	110.27%	
MS Status vs Numerical Indicator:	N/A	
MSD Status vs Numerical Indicator:	N/A	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	125%	
MS/MSD Lower % Recovery Limits:	75%	

Duplicate Sample Assessment		
Sample I.D.:	LCS65797	
Duplicate Sample I.D.	LCSD65797	
Sample Result (pCi/L, g, F):	4.966	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.461	
Sample Duplicate Result (pCi/L, g, F):	4.747	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.464	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.658	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.89%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30475234001	
Sample MS I.D.	30475234002	
Sample MSD I.D.	30475234003	
Sample Matrix Spike Result:	18.032	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.239	
Sample Matrix Spike Duplicate Result:	21.197	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.340	
Duplicate Numerical Performance Indicator:	-3.401	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	14.59%	
MS/ MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

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

Comments:

4/20/22

4/20/22

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	4/5/2022
Worklist:	65882
Matrix:	W I

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2392622
MB concentration:	0.404
M/B 2 Sigma CSU:	0.311
MB MDC:	0.607
MB Numerical Performance Indicator:	2.54
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
	LCS65882	LCSD65882
Count Date:	4/12/2022	
Spike I.D.:	22-016	
Decay Corrected Spike Concentration (pCi/mL):	36.133	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.816	
Target Conc. (pCi/L, g, F):	4.430	
Uncertainty (Calculated):	0.217	
Result (pCi/L, g, F):	3.670	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.896	
Numerical Performance Indicator:	-1.62	
Percent Recovery:	82.83%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	3/8/2022	
Sample I.D.	30475234001	
Sample MS I.D.	30475234002	
Sample MSD I.D.	30475234003	
Spike I.D.:	22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	36.557	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.818	
MS Target Conc.(pCi/L, g, F):	8.942	
MSD Aliquot (L, g, F):	0.812	
MSD Target Conc. (pCi/L, g, F):	9.001	
MS Spike Uncertainty (calculated):	0.438	
MSD Spike Uncertainty (calculated):	0.441	
Sample Result:	1.121	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.427	
Sample Matrix Spike Result:	9.551	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.907	
Sample Matrix Spike Duplicate Result:	8.975	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.791	
MS Numerical Performance Indicator:	-0.501	
MSD Numerical Performance Indicator:	-1.188	
MS Percent Recovery:	94.28%	
MSD Percent Recovery:	87.25%	
MS Status vs Numerical Indicator:	Pass	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Duplicate Sample Assessment		
Sample I.D.:		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.		
Sample Result (pCi/L, g, F):		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Duplicate Result (pCi/L, g, F):		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	30475234001
Sample MS I.D.	30475234002
Sample MSD I.D.	30475234003
Sample Matrix Spike Result:	9.551
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.907
Sample Matrix Spike Duplicate Result:	8.975
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.791
Duplicate Numerical Performance Indicator:	0.432
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	7.74%
MS/ MSD Duplicate Status vs Numerical Indicator:	Pass
MS/ MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

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

Comments:

4/14/22

4/25/22

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test: Ra-226
Analyst: JC2
Date: 3/29/2022
Worklist: 65798
Matrix: DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2388004
MB concentration:	0.042
M/B Counting Uncertainty:	0.065
MB MDC:	0.142
MB Numerical Performance Indicator:	1.26
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS65798	LCSD65798
Count Date:	4/20/2022	4/20/2022
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.028	24.028
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.503
Target Conc. (pCi/L, g, F):	4.761	4.773
Uncertainty (Calculated):	0.057	0.057
Result (pCi/L, g, F):	4.867	4.761
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.470	0.462
Numerical Performance Indicator:	0.44	-0.05
Percent Recovery:	102.21%	99.76%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	3/8/2022	
Sample I.D.	30475234015	
Sample MS I.D.	30475234016	
Sample MSD I.D.	30475234017	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.029	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.251	
MS Target Conc.(pCi/L, g, F):	19.112	
MSD Aliquot (L, g, F):	0.253	
MSD Target Conc. (pCi/L, g, F):	18.966	
MS Spike Uncertainty (calculated):	0.229	
MSD Spike Uncertainty (calculated):	0.228	
Sample Result:	0.060	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.145	
Sample Matrix Spike Result:	19.220	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.275	
Sample Matrix Spike Duplicate Result:	18.319	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.247	
MS Numerical Performance Indicator:	0.073	
MSD Numerical Performance Indicator:	-1.088	
MS Percent Recovery:	100.25%	
MSD Percent Recovery:	96.27%	
MS Status vs Numerical Indicator:	N/A	
MSD Status vs Numerical Indicator:	N/A	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	125%	
MS/MSD Lower % Recovery Limits:	75%	

Duplicate Sample Assessment		
Sample I.D.:	LCS65798	
Duplicate Sample I.D.	LCSD65798	
Sample Result (pCi/L, g, F):	4.867	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.470	
Sample Duplicate Result (pCi/L, g, F):	4.761	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.462	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.314	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	2.43%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30475234015	
Sample MS I.D.	30475234016	
Sample MSD I.D.	30475234017	
Sample Matrix Spike Result:	19.220	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.275	
Sample Matrix Spike Duplicate Result:	18.319	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.247	
Duplicate Numerical Performance Indicator:	0.991	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	4.06%	
MS/ MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

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

Comments:

CK 4/20/22

LAM 4/20/22

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	4/5/2022
Worklist:	65884
Matrix:	WI

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2392624
MB concentration:	0.491
M/B 2 Sigma CSU:	0.392
MB MDC:	0.774
MB Numerical Performance Indicator:	2.46
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
	LCS65884	LCSD65884
Count Date:	4/13/2022	
Spike I.D.:	22-016	
Decay Corrected Spike Concentration (pCi/mL):	36.122	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.811	
Target Conc. (pCi/L, g, F):	4.456	
Uncertainty (Calculated):	0.218	
Result (pCi/L, g, F):	2.862	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.838	
Numerical Performance Indicator:	-3.61	
Percent Recovery:	64.24%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	3/8/2022	
Sample I.D.	30475234015	
Sample MS I.D.	30475234016	
Sample MSD I.D.	30475234017	
Spike I.D.:	22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	36.554	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.812	
MS Target Conc.(pCi/L, g, F):	9.004	
MSD Aliquot (L, g, F):	0.813	
MSD Target Conc. (pCi/L, g, F):	8.994	
MS Spike Uncertainty (calculated):	0.441	
MSD Spike Uncertainty (calculated):	0.441	
Sample Result:	0.395	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.399	
Sample Matrix Spike Result:	7.186	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.547	
Sample Matrix Spike Duplicate Result:	8.222	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.724	
MS Numerical Performance Indicator:	-2.617	
MSD Numerical Performance Indicator:	-1.254	
MS Percent Recovery:	75.43%	
MSD Percent Recovery:	87.03%	
MS Status vs Numerical Indicator:	Warning	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Duplicate Sample Assessment		
Sample I.D.:		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.		
Sample Result (pCi/L, g, F):		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Duplicate Result (pCi/L, g, F):		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	30475234015
Sample MS I.D.	30475234016
Sample MSD I.D.	30475234017
Sample Matrix Spike Result:	7.186
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.547
Sample Matrix Spike Duplicate Result:	8.222
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.724
Duplicate Numerical Performance Indicator:	-0.877
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	14.29%
MS/ MSD Duplicate Status vs Numerical Indicator:	Pass
MS/ MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

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

Comments:

4/14/22

AWK 4/25/22

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	JC2
Date:	3/29/2022
Worklist:	65799
Matrix:	DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2388007
MB concentration:	0.037
M/B Counting Uncertainty:	0.070
MB MDC:	0.160
MB Numerical Performance Indicator:	1.05
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS65799	LCSD65799
Count Date:	4/20/2022	4/20/2022
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.028	24.028
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.508
Target Conc. (pCi/L, g, F):	4.780	4.727
Uncertainty (Calculated):	0.057	0.057
Result (pCi/L, g, F):	4.926	4.648
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.473	0.455
Numerical Performance Indicator:	0.60	-0.34
Percent Recovery:	103.05%	98.33%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	3/16/2022	
Sample I.D.	30475234038	
Sample MS I.D.	30475234039	
Sample MSD I.D.	30475234040	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.029	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.253	
MS Target Conc.(pCi/L, g, F):	19.013	
MSD Aliquot (L, g, F):	0.250	
MSD Target Conc. (pCi/L, g, F):	19.190	
MS Spike Uncertainty (calculated):	0.228	
MSD Spike Uncertainty (calculated):	0.230	
Sample Result:	0.199	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.156	
Sample Matrix Spike Result:	19.789	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.288	
Sample Matrix Spike Duplicate Result:	18.500	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.242	
MS Numerical Performance Indicator:	0.859	
MSD Numerical Performance Indicator:	-1.368	
MS Percent Recovery:	103.04%	
MSD Percent Recovery:	95.37%	
MS Status vs Numerical Indicator:	N/A	
MSD Status vs Numerical Indicator:	N/A	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	125%	
MS/MSD Lower % Recovery Limits:	75%	

Duplicate Sample Assessment		
Sample I.D.:	LCS65799	
Duplicate Sample I.D.	LCSD65799	
Sample Result (pCi/L, g, F):	4.926	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.473	
Sample Duplicate Result (pCi/L, g, F):	4.648	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.455	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.830	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.68%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30475234038	
Sample MS I.D.	30475234039	
Sample MSD I.D.	30475234040	
Sample Matrix Spike Result:	19.789	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.288	
Sample Matrix Spike Duplicate Result:	18.500	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.242	
Duplicate Numerical Performance Indicator:	1.412	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	7.73%	
MS/ MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

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

Comments:

4/20/22

4/20/22

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	JSM
Date:	4/18/2022
Worklist:	66136
Matrix:	WT

Method Blank Assessment	
MB Sample ID	2407530
MB concentration:	0.174
M/B 2 Sigma CSU:	0.342
MB MDC:	0.754
MB Numerical Performance Indicator:	1.00
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS66136	**LCSD66136**
Count Date:	4/22/2022	4/22/2022
Spike I.D.:	22-016	22-016
Decay Corrected Spike Concentration (pCi/mL):	36.016	36.016
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.807	0.805
Target Conc. (pCi/L, g, F):	4.465	4.473
Uncertainty (Calculated):	0.219	0.219
Result (pCi/L, g, F):	3.390	3.720
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.871	0.937
Numerical Performance Indicator:	-2.35	-1.53
Percent Recovery:	75.92%	83.18%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS66136	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD66136	
Sample Result (pCi/L, g, F):	3.390	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.871	
Sample Duplicate Result (pCi/L, g, F):	3.720	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.937	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.506	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	9.12%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	4/19/2022
Worklist:	66188
Matrix:	WI

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2409451
MB concentration:	0.353
MB 2 Sigma CSU:	0.329
MB MDC:	0.671
MB Numerical Performance Indicator:	2.10
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS66188	LCSD66188
Count Date:	4/21/2022	4/21/2022
Spike I.D.:	22-016	22-016
Decay Corrected Spike Concentration (pCi/mL):	36.027	36.027
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.814	0.810
Target Conc. (pCi/L, g, F):	4.429	4.446
Uncertainty (Calculated):	0.217	0.218
Result (pCi/L, g, F):	4.537	4.479
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.007	1.012
Numerical Performance Indicator:	0.21	0.06
Percent Recovery:	102.44%	100.74%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS66188	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD66188	
Sample Result (pCi/L, g, F):	4.537	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.007	
Sample Duplicate Result (pCi/L, g, F):	4.479	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.012	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.079	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.67%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

4/28/22

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

2022 Additional Request (MW-10 & MW-12)

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 were not collected during this additional request event, per SCS. A sample duplicate was 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
205-664-6001

Analytical Report

Alabama Power

Sample Group : WMWMILAP_1368

Project/Site : Miller Ash Pond
Quinton, AL 35130

For : Southern Company Services
3535 Colonade Parkway
Birmingham, AL 35243

Attention : Dustin Brooks & Greg Dyer

Released By : Brooke Caton
tbwill@southernco.com
(205) 664-6101

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
(205) 664-6001

June 13, 2022

Dear Dustin Brooks,

Enclosed are the analytical results for sample(s) received by the laboratory on May 20, 2022.
All results reported herein conform to the laboratory's most current Quality Assurance Manual. Results marked with an asterisk conform to the most current applicable TNI/NELAC requirements. Exceptions will be noted in the body of the report.

Laboratory certification ID: E571114
Issued By: State of Florida, Department of Health
Expiration: June 30, 2022

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

Sincerely,

Quality Control: Brooke Caton

Digitally signed by Brooke Caton
Date: 2022.06.13 15:11:54 -05'00'

Supervision: T Durant Maske

Digitally signed by T Durant Maske
DN: cn=T Durant Maske gn=T Durant Maske c=US United States l=US United States e=tdmaske@southernco.com
Reason: I am approving this document
Location:
Date: 2022-06-14 08:32-05:00

REPORT OF LABORATORY ANALYSIS

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Total Metals ICP

Miller Ash Pond

WMWMILAP_1368

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC09727	726852	WMWMILAP_1368
BC09728	726852	WMWMILAP_1368
BC09729	726852	WMWMILAP_1368

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 all criteria were met.
- Following the ICV, an initial calibration blank (ICB) was analyzed, and all criteria were met.
- All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- All continued calibration blanks (CCB) were analyzed, and all criteria were met.
- 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.
- All calibration curve requirements were within acceptance criteria.
- All sample internal standard criteria were met.
- The spectral interference check associated with EPA 200.7 was analyzed, and all acceptance criteria were met.
- 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:
    - BC09729 Calcium MS/MSD spike levels were <30% of the sample concentrations.
- A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC09727	Calcium	20.3
BC09728	Calcium	20.3
BC09729	Calcium	20.3

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

Case Narrative

Alabama Power

Total Metals ICPMS

Miller Ash Pond

WMWMILAP_1368

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC09727	727057	WMWMILAP_1368
BC09728	727057	WMWMILAP_1368
BC09729	727057	WMWMILAP_1368

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.
- 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 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 without a dilution factor.
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

Case Narrative

Alabama Power

Mercury

Miller Ash Pond

WMWMILAP_1368

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC09727	727487	WMWMILAP_1368
BC09728	727487	WMWMILAP_1368
BC09729	727487	WMWMILAP_1368

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 analytical batch. All acceptance criteria for accuracy were met.

- A matrix spike and matrix spike duplicate were digested and analyzed with each analytical batch. All acceptance criteria for precision were met.

7. All samples were analyzed without a dilution.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Total Dissolved Solids

Miller Ash Pond

WMWMILAP_1368

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC09727	726909	WMWMILAP_1368
BC09728	726909	WMWMILAP_1368
BC09729	726909	WMWMILAP_1368

4. All of the above samples were prepared and analyzed by Standard Method 2540C.
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:

- 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, and RPD was ≤10%.
- 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.

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alabama Power

Anions

Miller Ash Pond

WMWMILAP_1368

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC09727	726884,726890,728612	WMWMILAP_1368
BC09728	726884,726890,728612	WMWMILAP_1368
BC09729	726884,726890,728612	WMWMILAP_1368

4. All of the above samples analyzed and prepared by SM4500 Cl E, SM4500 F G, and SM4500 SO4 E.
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 calibration met criteria for the requested analyte.
- Prior to sample analysis, an initial calibration verification (ICV), and all criteria were met.
- Prior to sample analysis, an initial calibration blank (ICB) was analyzed and was below half the limit of quantitation 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.
- 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 analyzed with each batch. All acceptance criteria for accuracy were met.

- A matrix spike and matrix spike duplicate were analyzed with each batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC09727	Sulfate	50
BC09728	Sulfate	50
BC09729	Sulfate	100

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

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10

Location Code: WMWMILAP
Collected: 5/19/22 11:03
Customer ID:
Submittal Date: 5/20/22 08:50

Laboratory ID Number: BC09727

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	5/23/22 14:20	5/24/22 11:22		1.015	6.17	mg/L	0.030000	0.1015	
* Calcium, Total	5/23/22 14:20	5/24/22 12:29		20.3	143	mg/L	1.4007	8.12	
* Lithium, Total	5/23/22 14:20	5/24/22 11:22		1.015	0.240	mg/L	0.007105	0.01999956	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Arsenic, Total	5/20/22 11:00	5/20/22 17:12		1.015	0.0428	mg/L	0.000081	0.000203	
* Barium, Total	5/20/22 11:00	5/20/22 17:12		1.015	0.0185	mg/L	0.000508	0.001015	
* Beryllium, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	5/20/22 11:00	5/20/22 17:12		1.015	0.00141	mg/L	0.000068	0.000203	
* Lead, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Molybdenum, Total	5/20/22 11:00	5/20/22 17:12		1.015	0.675	mg/L	0.000102	0.000203	
* Selenium, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/20/22 11:00	5/20/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	6/3/22 12:09	6/6/22 11:17		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	5/23/22 11:40	5/24/22 13:30		1	2080	mg/L		125	
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	5/20/22 10:02	5/20/22 10:02		1	8.19	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	5/20/22 15:01	5/20/22 15:01		1	1.27	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	6/7/22 11:06	6/7/22 11:06		50	1390	mg/L	30.0	100	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	5/19/22 11:00	5/19/22 11:00			2604.34	uS/cm			FA
pH	5/19/22 11:00	5/19/22 11:00			6.99	SU			FA
Temperature	5/19/22 11:00	5/19/22 11:00			17.91	C			FA
Turbidity	5/19/22 11:00	5/19/22 11:00			2.5	NTU			FA

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

Comments:

Reported: 6/13/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10

Location Code: WMWMILAP
Collected: 5/19/22 11:03
Customer ID:
Submittal Date: 5/20/22 08:50

Laboratory ID Number: BC09727

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Sulfide	5/19/22 11:00	5/19/22 11:00			0	mg/L			FA

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

Comments:

Reported: 6/13/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 5/19/22 11:03
Customer ID:
Delivery Date: 5/20/22 08:50

Description: Miller Ash Pond - MW-10

Laboratory ID Number: BC09727

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC09729	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.102	0.103	0.0927	0.0850 to 0.115	101	70.0 to 130	0.976	20.0
BC09729	Arsenic, Total	mg/L	0.0000158	0.000176	0.100	0.107	0.109	0.0978	0.0850 to 0.115	98.9	70.0 to 130	1.85	20.0
BC09729	Barium, Total	mg/L	-0.0000013	0.00100	0.100	0.118	0.116	0.0987	0.0850 to 0.115	102	70.0 to 130	1.71	20.0
BC09729	Beryllium, Total	mg/L	0.0000281	0.000880	0.100	0.0943	0.0975	0.105	0.0850 to 0.115	94.3	70.0 to 130	3.34	20.0
BC09729	Boron, Total	mg/L	0.000076	0.0650	1.00	7.38	7.33	0.995	0.850 to 1.15	99.0	70.0 to 130	0.680	20.0
BC09729	Cadmium, Total	mg/L	0.0000034	0.000147	0.100	0.0999	0.0990	0.0988	0.0850 to 0.115	99.8	70.0 to 130	0.905	20.0
BC09729	Calcium, Total	mg/L	0.00470	0.152	5.00	100	95.1	4.86	4.25 to 5.75	116	70.0 to 130	5.02	20.0
BC09729	Chloride	mg/L	-0.134	1.00	10.0	18.1	17.7	10.6	9.00 to 11.0	102	80.0 to 120	2.23	20.0
BC09729	Chromium, Total	mg/L	-0.0000953	0.000440	0.100	0.0935	0.0950	0.0977	0.0850 to 0.115	92.7	70.0 to 130	1.59	20.0
BC09729	Cobalt, Total	mg/L	-0.0000004	0.000147	0.100	0.101	0.102	0.103	0.0850 to 0.115	99.9	70.0 to 130	0.985	20.0
BC09729	Fluoride	mg/L	-0.0722	0.125	2.50	3.88	3.85	2.61	2.25 to 2.75	106	80.0 to 120	0.776	20.0
BC09729	Lead, Total	mg/L	0.0000068	0.000147	0.100	0.106	0.107	0.106	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC09729	Lithium, Total	mg/L	-0.000331	0.0154	0.200	0.334	0.342	0.203	0.170 to 0.230	104	70.0 to 130	2.37	20.0
BC09729	Mercury, Total by CVAA	mg/L	6.620E-06	0.000500	0.004	0.00366	0.00364	0.00377	0.00340 to 0.00460	91.5	70.0 to 130	0.548	20.0
BC09729	Molybdenum, Total	mg/L	0.0000060	0.0002	0.100	1.14	1.17	0.103	0.0850 to 0.115	80.0	70.0 to 130	2.60	20.0
BC09729	Selenium, Total	mg/L	-0.0000265	0.00100	0.100	0.101	0.103	0.103	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC09729	Sulfate	mg/L	-0.256	2.0	2000	3720	3630	19.1	18.0 to 22.0	110	80.0 to 120	2.45	20.0
BC09729	Thallium, Total	mg/L	-0.0000016	0.000147	0.100	0.105	0.106	0.107	0.0850 to 0.115	105	70.0 to 130	0.948	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 5/19/22 11:03
Customer ID:
Delivery Date: 5/20/22 08:50

Description: Miller Ash Pond - MW-10

Laboratory ID Number: BC09727

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC09729	Solids, Dissolved	mg/L	1.00	25.0			2360	46.0	40.0 to 60.0			0.00	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10 Dup

Location Code: WMWMILAP
Collected: 5/19/22 11:03
Customer ID:
Submittal Date: 5/20/22 08:50

Laboratory ID Number: BC09728

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	5/23/22 14:20	5/24/22 11:25		1.015	6.12	mg/L	0.030000	0.1015	
* Calcium, Total	5/23/22 14:20	5/24/22 12:32		20.3	145	mg/L	1.4007	8.12	
* Lithium, Total	5/23/22 14:20	5/24/22 11:25		1.015	0.235	mg/L	0.007105	0.01999956	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Arsenic, Total	5/20/22 11:00	5/20/22 17:16		1.015	0.0425	mg/L	0.000081	0.000203	
* Barium, Total	5/20/22 11:00	5/20/22 17:16		1.015	0.0191	mg/L	0.000508	0.001015	
* Beryllium, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	5/20/22 11:00	5/20/22 17:16		1.015	0.00143	mg/L	0.000068	0.000203	
* Lead, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Molybdenum, Total	5/20/22 11:00	5/20/22 17:16		1.015	0.687	mg/L	0.000102	0.000203	
* Selenium, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/20/22 11:00	5/20/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	6/3/22 12:09	6/6/22 11:19		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	5/23/22 11:40	5/24/22 13:30		1	2060	mg/L		125	
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	5/20/22 10:03	5/20/22 10:03		1	8.04	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	5/20/22 15:02	5/20/22 15:02		1	1.24	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	6/7/22 11:07	6/7/22 11:07		50	1460	mg/L	30.0	100	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	5/19/22 11:00	5/19/22 11:00			2604.34	uS/cm			FA
pH	5/19/22 11:00	5/19/22 11:00			6.99	SU			FA
Temperature	5/19/22 11:00	5/19/22 11:00			17.91	C			FA
Turbidity	5/19/22 11:00	5/19/22 11:00			2.5	NTU			FA

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

Comments:

Reported: 6/13/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-10 Dup

Location Code: WMWMILAP
Collected: 5/19/22 11:03
Customer ID:
Submittal Date: 5/20/22 08:50

Laboratory ID Number: BC09728

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Sulfide	5/19/22 11:00	5/19/22 11:00			0	mg/L			FA

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

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 5/19/22 11:03
Customer ID:
Delivery Date: 5/20/22 08:50

Description: Miller Ash Pond - MW-10 Dup

Laboratory ID Number: BC09728

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC09729	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.102	0.103	0.0927	0.0850 to 0.115	101	70.0 to 130	0.976	20.0
BC09729	Arsenic, Total	mg/L	0.0000158	0.000176	0.100	0.107	0.109	0.0978	0.0850 to 0.115	98.9	70.0 to 130	1.85	20.0
BC09729	Barium, Total	mg/L	-0.0000013	0.00100	0.100	0.118	0.116	0.0987	0.0850 to 0.115	102	70.0 to 130	1.71	20.0
BC09729	Beryllium, Total	mg/L	0.0000281	0.000880	0.100	0.0943	0.0975	0.105	0.0850 to 0.115	94.3	70.0 to 130	3.34	20.0
BC09729	Boron, Total	mg/L	0.000076	0.0650	1.00	7.38	7.33	0.995	0.850 to 1.15	99.0	70.0 to 130	0.680	20.0
BC09729	Cadmium, Total	mg/L	0.0000034	0.000147	0.100	0.0999	0.0990	0.0988	0.0850 to 0.115	99.8	70.0 to 130	0.905	20.0
BC09729	Calcium, Total	mg/L	0.00470	0.152	5.00	100	95.1	4.86	4.25 to 5.75	116	70.0 to 130	5.02	20.0
BC09729	Chloride	mg/L	-0.134	1.00	10.0	18.1	17.7	10.6	9.00 to 11.0	102	80.0 to 120	2.23	20.0
BC09729	Chromium, Total	mg/L	-0.0000953	0.000440	0.100	0.0935	0.0950	0.0977	0.0850 to 0.115	92.7	70.0 to 130	1.59	20.0
BC09729	Cobalt, Total	mg/L	-0.0000004	0.000147	0.100	0.101	0.102	0.103	0.0850 to 0.115	99.9	70.0 to 130	0.985	20.0
BC09729	Fluoride	mg/L	-0.0722	0.125	2.50	3.88	3.85	2.61	2.25 to 2.75	106	80.0 to 120	0.776	20.0
BC09729	Lead, Total	mg/L	0.0000068	0.000147	0.100	0.106	0.107	0.106	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC09729	Lithium, Total	mg/L	-0.000331	0.0154	0.200	0.334	0.342	0.203	0.170 to 0.230	104	70.0 to 130	2.37	20.0
BC09729	Mercury, Total by CVAA	mg/L	6.620E-06	0.000500	0.004	0.00366	0.00364	0.00377	0.00340 to 0.00460	91.5	70.0 to 130	0.548	20.0
BC09729	Molybdenum, Total	mg/L	0.0000060	0.0002	0.100	1.14	1.17	0.103	0.0850 to 0.115	80.0	70.0 to 130	2.60	20.0
BC09729	Selenium, Total	mg/L	-0.0000265	0.00100	0.100	0.101	0.103	0.103	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC09729	Sulfate	mg/L	-0.256	2.0	2000	3720	3630	19.1	18.0 to 22.0	110	80.0 to 120	2.45	20.0
BC09729	Thallium, Total	mg/L	-0.0000016	0.000147	0.100	0.105	0.106	0.107	0.0850 to 0.115	105	70.0 to 130	0.948	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 5/19/22 11:03
Customer ID:
Delivery Date: 5/20/22 08:50

Description: Miller Ash Pond - MW-10 Dup

Laboratory ID Number: BC09728

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC09729	Solids, Dissolved	mg/L	1.00	25.0			2360	46.0	40.0 to 60.0			0.00	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-12

Location Code: WMWMILAP
Collected: 5/19/22 12:37
Customer ID:
Submittal Date: 5/20/22 08:50

Laboratory ID Number: BC09729

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7	***Analyst: RDA***				***Preparation Method: EPA 1638***				
* Boron, Total	5/23/22 14:20	5/24/22 11:28		1.015	6.39	mg/L	0.030000	0.1015	
* Calcium, Total	5/23/22 14:20	5/24/22 12:35		20.3	94.2	mg/L	1.4007	8.12	RA
* Lithium, Total	5/23/22 14:20	5/24/22 11:28		1.015	0.127	mg/L	0.007105	0.01999956	
Analytical Method: EPA 200.8	***Analyst: DLJ***				***Preparation Method: EPA 1638***				
* Antimony, Total	5/20/22 11:00	5/20/22 17:19		1.015	0.000656	mg/L	0.000508	0.001015	J
* Arsenic, Total	5/20/22 11:00	5/20/22 17:19		1.015	0.00814	mg/L	0.000081	0.000203	
* Barium, Total	5/20/22 11:00	5/20/22 17:19		1.015	0.0162	mg/L	0.000508	0.001015	
* Beryllium, Total	5/20/22 11:00	5/20/22 17:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/20/22 11:00	5/20/22 17:19		1.015	0.0000914	mg/L	0.000068	0.000203	J
* Chromium, Total	5/20/22 11:00	5/20/22 17:19		1.015	0.000772	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/20/22 11:00	5/20/22 17:19		1.015	0.00114	mg/L	0.000068	0.000203	
* Lead, Total	5/20/22 11:00	5/20/22 17:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Molybdenum, Total	5/20/22 11:00	5/20/22 17:19		1.015	1.06	mg/L	0.000102	0.000203	
* Selenium, Total	5/20/22 11:00	5/20/22 17:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/20/22 11:00	5/20/22 17:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1	***Analyst: CRB***								
* Mercury, Total by CVAA	6/3/22 12:09	6/6/22 11:22		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: SM 2540C	***Analyst: CNJ***								
* Solids, Dissolved	5/23/22 11:40	5/24/22 13:30		1	2360	mg/L		178.6	
Analytical Method: SM4500Cl E	***Analyst: JCC***								
* Chloride	5/20/22 10:04	5/20/22 10:04		1	7.92	mg/L	0.50	1	
Analytical Method: SM4500F G 2017	***Analyst: JCC***								
* Fluoride	5/20/22 15:03	5/20/22 15:03		1	1.23	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011	***Analyst: JCC***								
* Sulfate	6/7/22 11:09	6/7/22 11:09		100	1510	mg/L	60.0	200	
Analytical Method: Field Measurements	***Analyst: DKG***								
Conductivity	5/19/22 12:34	5/19/22 12:34			3182.33	uS/cm			FA
pH	5/19/22 12:34	5/19/22 12:34			6.42	SU			FA
Temperature	5/19/22 12:34	5/19/22 12:34			22.14	C			FA
Turbidity	5/19/22 12:34	5/19/22 12:34			1.65	NTU			FA

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

Comments:

Reported: 6/13/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Certificate Of Analysis

Alabama Power

Description: Miller Ash Pond - MW-12

Location Code: WMWMILAP
Collected: 5/19/22 12:37
Customer ID:
Submittal Date: 5/20/22 08:50

Laboratory ID Number: BC09729

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Sulfide	5/19/22 12:34	5/19/22 12:34			0	mg/L			FA

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

Comments:

Reported: 6/13/2022
Version: 3.5
COA_CCR

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Batch QC Summary

Alabama Power

Customer Account: WMWMILAP
Sample Date: 5/19/22 12:37
Customer ID:
Delivery Date: 5/20/22 08:50

Description: Miller Ash Pond - MW-12

Laboratory ID Number: BC09729

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC09729	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.102	0.103	0.0927	0.0850 to 0.115	101	70.0 to 130	0.976	20.0
BC09729	Arsenic, Total	mg/L	0.0000158	0.000176	0.100	0.107	0.109	0.0978	0.0850 to 0.115	98.9	70.0 to 130	1.85	20.0
BC09729	Barium, Total	mg/L	-0.0000013	0.00100	0.100	0.118	0.116	0.0987	0.0850 to 0.115	102	70.0 to 130	1.71	20.0
BC09729	Beryllium, Total	mg/L	0.0000281	0.000880	0.100	0.0943	0.0975	0.105	0.0850 to 0.115	94.3	70.0 to 130	3.34	20.0
BC09729	Boron, Total	mg/L	0.000076	0.0650	1.00	7.38	7.33	0.995	0.850 to 1.15	99.0	70.0 to 130	0.680	20.0
BC09729	Cadmium, Total	mg/L	0.0000034	0.000147	0.100	0.0999	0.0990	0.0988	0.0850 to 0.115	99.8	70.0 to 130	0.905	20.0
BC09729	Calcium, Total	mg/L	0.00470	0.152	5.00	100	95.1	4.86	4.25 to 5.75	116	70.0 to 130	5.02	20.0
BC09729	Chloride	mg/L	-0.134	1.00	10.0	18.1	17.7	10.6	9.00 to 11.0	102	80.0 to 120	2.23	20.0
BC09729	Chromium, Total	mg/L	-0.0000953	0.000440	0.100	0.0935	0.0950	0.0977	0.0850 to 0.115	92.7	70.0 to 130	1.59	20.0
BC09729	Cobalt, Total	mg/L	-0.0000004	0.000147	0.100	0.101	0.102	0.103	0.0850 to 0.115	99.9	70.0 to 130	0.985	20.0
BC09729	Fluoride	mg/L	-0.0722	0.125	2.50	3.88	3.85	2.61	2.25 to 2.75	106	80.0 to 120	0.776	20.0
BC09729	Lead, Total	mg/L	0.0000068	0.000147	0.100	0.106	0.107	0.106	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC09729	Lithium, Total	mg/L	-0.000331	0.0154	0.200	0.334	0.342	0.203	0.170 to 0.230	104	70.0 to 130	2.37	20.0
BC09729	Mercury, Total by CVAA	mg/L	6.620E-06	0.000500	0.004	0.00366	0.00364	0.00377	0.00340 to 0.00460	91.5	70.0 to 130	0.548	20.0
BC09729	Molybdenum, Total	mg/L	0.0000060	0.0002	0.100	1.14	1.17	0.103	0.0850 to 0.115	80.0	70.0 to 130	2.60	20.0
BC09729	Selenium, Total	mg/L	-0.0000265	0.00100	0.100	0.101	0.103	0.103	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC09729	Sulfate	mg/L	-0.256	2.0	2000	3720	3630	19.1	18.0 to 22.0	110	80.0 to 120	2.45	20.0
BC09729	Thallium, Total	mg/L	-0.0000016	0.000147	0.100	0.105	0.106	0.107	0.0850 to 0.115	105	70.0 to 130	0.948	20.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Alabama Power

Batch QC Summary

Customer Account: WMWMILAP
Sample Date: 5/19/22 12:37
Customer ID:
Delivery Date: 5/20/22 08:50

Description: Miller Ash Pond - MW-12

Laboratory ID Number: BC09729

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC09729	Solids, Dissolved	mg/L	1.00	25.0			2360	46.0	40.0 to 60.0			0.00	10.0

Comments:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
(205) 664-6001

Definitions

Alabama Power

Project Number: WMWMILAP_1368

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
FA	Field results were reviewed by the Water Field Group. Refer to APC Field Case Narrative.
J	Reported value is an estimate because concentration is less than reporting limit.
RA	Matrix spike is invalid due to sample concentration.
U	Compound was analyzed, but not detected.

Chain of Custody
Groundwater
APC General Testing Laboratory

☑ Field Complete ☐ Outside Lab
☑ Lab Complete

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
Collector	Dallas Gentry	Requested By	Greg Dyer
		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	Anions	250 mL	6	N/A	N/A	8	N/A	N/A

Comments: Samples relinquished to GSC Building 8 Shipping Lab 05/19/22 15:20

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-10	05/19/2022	11:03	4	Groundwater		BC09727
MW-10 dup	05/19/2022	11:03	4	Sample Duplicate		BC09728
MW-12	05/19/2022	12:37	4	Groundwater		BC09729

Relinquished By	Received By	Date/Time
	Brooke Caton Digitally signed by Brooke Caton Date: 2022.05.20 08:48:25 -05'00'	05/20/2022 08:48

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2	☑
Turbidity ID	3901-20010-2-2	Cooler Temp	3.4 °C
Sample Event	1368	Thermometer ID	7044-38281-2-1
		pH Strip ID	9772-56585-100-7

Bottles/Pre-Preserved Bottles are provided by the GTL

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

Alabama Power

Lab & Field SERVICES

Miller Ash Pond

2022 Compliance Event 2

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 was present during initial pumping of well MW-3D.

The first 12 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.

Water Level Record/Well Inspection
Groundwater
APC General Testing Laboratory
General Service Complex Building 8

Submit

Date	09/13/2022	Weather	Sunny 65
Location	Miller Ash Pond		
Collector	TJ Daugherty		

			In Good Condition					
Well	Time	Water Level (ft)	Locks	Bollards	Pad	Protective Casing	Name Plate	Comment
MW-1	0957	194.58	✔	✔	✔	✔	✔	
MW-2	1027	203.31	✔	✔	✔	✔	✔	
MW-2V	1032	238.49	✔	✔	✔	✔	✔	
MW-3V	1132	158.39	✔	✔	✔	✔	✔	
MW-3D	1130	117.60	✔	✔	✔	✔	✔	
MW-3S	1126	97.61	✔	✔	✔	✔	✔	
MW-4	1147	60.51	✔	✔	✔	✔	✔	
MW-4V	1140	96.43	✔	✔	✔	✔	✔	
MW-5	1215	0	✔	✔	✔	✔	✔	
PZ-5	1217	0	✔	✔	✔	✔	✔	
MW-6	1240	9.02	✔	✔	✔	✔	✔	
MW-6V	1242	116.39	✔	✔	✔	✔	✔	
MW-7DR	1246	77.28	✔	✔	✔	✔	✔	
MW-7SR	1249	12.32	✔	✔	✔	✔	✔	
MW-9DR	1327	80.11	✔	✔	✔	✔	✔	
MW-9SR	1323	76.72	✔	✔	✔	✔	✔	
MW-10	1431	150.90	✔	✔	✔	✔	✔	
MW-11	1419	235.65	✔	✔	✔	✔	✔	
MW-12	1338	109.28	✔	✔	✔	✔	✔	
MW-13DR	1309	81.42	✔	✔	✔	✔	✔	
MW-13SR	1311	33.33	✔	✔	✔	✔	✔	
MW-14R	1306	18.12	✔	✔	✔	✔	✔	
MW-15	0949	16.49	✔	✔	✔	✔	✔	
MW-16	0945	32.86	✔	✔	✔	✔	✔	
MW-17H	1018	42.03	✔	✔	✔	✔	✔	
MW-18H	1046	167.62	✔	✔	✔	✔	✔	
MW-19H	1113	215.74	✔	✔	✔	✔	✔	
MW-19HA	1115	120.11	✔	✔	✔	✔	✔	
MW-20H	1227	123.66	✔	✔	✔	✔	✔	
MW-20HS	1224	46.88	✔	✔	✔	✔	✔	
MW-21	1510	23.72	✔	✔	✔	✔	✔	
MW-22S	1533	15.42	✔	✔	✔	✔	✔	
MW-22I	1524	29.42	✔	✔	✔	✔	✔	

Water Level Record/Well Inspection
Groundwater
APC General Testing Laboratory
General Service Complex Building 8

Submit

Date	09/13/2022	Weather	Sunny 65
Location	Miller Ash Pond		
Collector	TJ Daugherty		

			In Good Condition					
Well	Time	Water Level (ft)	Locks	Bollards	Pad	Protective Casing	Name Plate	Comment
MW-1	0957	194.58	✔	✔	✔	✔	✔	
MW-2	1027	203.31	✔	✔	✔	✔	✔	
MW-2V	1032	238.49	✔	✔	✔	✔	✔	
MW-3V	1132	158.39	✔	✔	✔	✔	✔	
MW-3D	1130	117.60	✔	✔	✔	✔	✔	
MW-3S	1126	97.61	✔	✔	✔	✔	✔	
MW-4	1147	60.51	✔	✔	✔	✔	✔	
MW-4V	1140	96.43	✔	✔	✔	✔	✔	
MW-5	1215	0	✔	✔	✔	✔	✔	
PZ-5	1217	0	✔	✔	✔	✔	✔	
MW-6	1240	9.02	✔	✔	✔	✔	✔	
MW-6V	1242	116.39	✔	✔	✔	✔	✔	
MW-7DR	1246	77.28	✔	✔	✔	✔	✔	
MW-7SR	1249	12.32						
MW-9DR	1327	80.11						
MW-9SR	1323	76.72						
MW-10	1431	150.90						
MW-11	1419	235.65						
MW-12	1338	109.28						
MW-13DR	1309	81.42						
MW-13SR	1311	33.33						
MW-14R	1306	18.12						
MW-15	0949	16.49						
MW-16	0945	32.86						
MW-17H	1018	42.03						
MW-18H	1046	167.62						
MW-19H	1113	215.74						
MW-19HA	1115	120.11						
MW-20H	1227	123.66						
MW-20HS	1224	46.88						
MW-21	1510	23.72						
MW-22S	1533	15.42						
MW-22I	1524	29.42						

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-17H	COND	Conductivity	9/14/2022 10:33	800.94	uS/cm
MR-AP-MW-17H	DO	DO	9/14/2022 10:33	0.28	mg/L
MR-AP-MW-17H	DTW	Depth to Water Detail	9/14/2022 10:33	22.19	ft
MR-AP-MW-17H	ORP	Oxidation Reduction Potention	9/14/2022 10:33	-69.74	mv
MR-AP-MW-17H	PH	pH	9/14/2022 10:33	6.6	SU
MR-AP-MW-17H	TEMP	Temperature	9/14/2022 10:33	17.5	C
MR-AP-MW-17H	TURB	Turbidity	9/14/2022 10:33	24.5	NTU
MR-AP-MW-17H	COND	Conductivity	9/14/2022 10:38	805.89	uS/cm
MR-AP-MW-17H	DO	DO	9/14/2022 10:38	0.24	mg/L
MR-AP-MW-17H	DTW	Depth to Water Detail	9/14/2022 10:38	22.19	ft
MR-AP-MW-17H	ORP	Oxidation Reduction Potention	9/14/2022 10:38	-69.62	mv
MR-AP-MW-17H	PH	pH	9/14/2022 10:38	6.58	SU
MR-AP-MW-17H	TEMP	Temperature	9/14/2022 10:38	17.48	C
MR-AP-MW-17H	TURB	Turbidity	9/14/2022 10:38	10.96	NTU
MR-AP-MW-17H	COND	Conductivity	9/14/2022 10:43	791.19	uS/cm
MR-AP-MW-17H	DO	DO	9/14/2022 10:43	0.23	mg/L
MR-AP-MW-17H	DTW	Depth to Water Detail	9/14/2022 10:43	22.19	ft
MR-AP-MW-17H	ORP	Oxidation Reduction Potention	9/14/2022 10:43	-68.21	mv
MR-AP-MW-17H	PH	pH	9/14/2022 10:43	6.56	SU
MR-AP-MW-17H	TEMP	Temperature	9/14/2022 10:43	17.53	C
MR-AP-MW-17H	TURB	Turbidity	9/14/2022 10:43	8.32	NTU
MR-AP-MW-17H	COND	Conductivity	9/14/2022 10:48	776.68	uS/cm
MR-AP-MW-17H	DO	DO	9/14/2022 10:48	0.22	mg/L
MR-AP-MW-17H	DTW	Depth to Water Detail	9/14/2022 10:48	22.19	ft
MR-AP-MW-17H	ORP	Oxidation Reduction Potention	9/14/2022 10:48	-66.97	mv
MR-AP-MW-17H	PH	pH	9/14/2022 10:48	6.55	SU
MR-AP-MW-17H	TEMP	Temperature	9/14/2022 10:48	17.61	C
MR-AP-MW-17H	TURB	Turbidity	9/14/2022 10:48	7.2	NTU
MR-AP-MW-17H	COND	Conductivity	9/14/2022 10:53	764.97	uS/cm
MR-AP-MW-17H	DO	DO	9/14/2022 10:53	0.21	mg/L
MR-AP-MW-17H	DTW	Depth to Water Detail	9/14/2022 10:53	22.19	ft
MR-AP-MW-17H	ORP	Oxidation Reduction Potention	9/14/2022 10:53	-65.83	mv
MR-AP-MW-17H	PH	pH	9/14/2022 10:53	6.55	SU
MR-AP-MW-17H	TEMP	Temperature	9/14/2022 10:53	17.53	C
MR-AP-MW-17H	TURB	Turbidity	9/14/2022 10:53	5.89	NTU
MR-AP-MW-17H	COND	Conductivity	9/14/2022 10:58	759.93	uS/cm
MR-AP-MW-17H	DO	DO	9/14/2022 10:58	0.19	mg/L
MR-AP-MW-17H	DTW	Depth to Water Detail	9/14/2022 10:58	22.19	ft
MR-AP-MW-17H	ORP	Oxidation Reduction Potention	9/14/2022 10:58	-64.96	mv
MR-AP-MW-17H	PH	pH	9/14/2022 10:58	6.55	SU
MR-AP-MW-17H	SULFIDE	Sulfide	9/14/2022 10:58	0	mg/L
MR-AP-MW-17H	TEMP	Temperature	9/14/2022 10:58	17.47	C
MR-AP-MW-17H	TURB	Turbidity	9/14/2022 10:58	4.08	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:12	2314.02	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:12	0.43	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:12	125.69	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:12	-233.09	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:12	7.73	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:12	20.03	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:12	0.69	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:17	2339.93	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:17	0.26	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:17	128	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:17	-240.4	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:17	7.75	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:17	19.28	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:17	0.49	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:22	2321.58	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:22	0.25	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:22	130.76	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:22	-250.18	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:22	7.76	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:22	19.11	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:22	0.12	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:27	2346.06	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:27	0.24	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:27	132.9	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:27	-258.49	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:27	7.76	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:27	18.72	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:27	0.18	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:32	2346.51	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:32	0.22	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:32	135.2	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:32	-263.07	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:32	7.76	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:32	18.92	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:32	0.16	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:37	2375.19	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:37	0.21	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:37	137.2	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:37	-267.28	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:37	7.77	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:37	18.74	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:37	0.4	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:42	2361.08	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:42	0.23	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:42	141.7	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:42	-269.06	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	PH	pH	9/14/2022 12:42	7.77	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:42	18.84	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:42	0.26	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:47	2361.95	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:47	0.22	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:47	143	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:47	-271	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:47	7.77	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:47	18.88	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:47	0.15	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:52	2374.51	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:52	0.21	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:52	145.1	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:52	-272.48	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:52	7.77	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:52	19.18	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:52	0.14	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 12:57	2366.86	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 12:57	0.21	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 12:57	146.7	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 12:57	-271.59	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 12:57	7.77	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 12:57	18.9	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 12:57	0.17	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 13:02	2363	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 13:02	0.23	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 13:02	149.65	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 13:02	-268.97	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 13:02	7.77	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 13:02	18.55	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 13:02	0.11	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 13:07	2362	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 13:07	0.63	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 13:07	149.1	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 13:07	-259.04	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 13:07	7.78	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 13:07	20.49	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 13:07	0.11	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 13:12	2406.67	uS/cm
MR-AP-MW-19HA	DO	DO	9/14/2022 13:12	0.76	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 13:12	148.7	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 13:12	-254.03	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 13:12	7.78	SU
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 13:12	21.04	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 13:12	0.22	NTU
MR-AP-MW-19HA	COND	Conductivity	9/14/2022 13:17	2390.59	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-19HA	DO	DO	9/14/2022 13:17	0.8	mg/L
MR-AP-MW-19HA	DTW	Depth to Water Detail	9/14/2022 13:17	148.3	ft
MR-AP-MW-19HA	ORP	Oxidation Reduction Potention	9/14/2022 13:17	-253.03	mv
MR-AP-MW-19HA	PH	pH	9/14/2022 13:17	7.79	SU
MR-AP-MW-19HA	SULFIDE	Sulfide	9/14/2022 13:17	8	mg/L
MR-AP-MW-19HA	TEMP	Temperature	9/14/2022 13:17	21.49	C
MR-AP-MW-19HA	TURB	Turbidity	9/14/2022 13:17	0.14	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 9:38	3581.82	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 9:38	0.16	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 9:38	243.25	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 9:38	36.49	mv
MR-AP-MW-36HR	PH	pH	9/14/2022 9:38	7.47	SU
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 9:38	17.9	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 9:38	2.12	NTU
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 9:43	3615.64	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 9:43	0.16	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 9:43	245.82	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 9:43	16.22	mv
MR-AP-MW-36HR	PH	pH	9/14/2022 9:43	7.47	SU
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 9:43	17.88	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 9:43	1.93	NTU
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 9:48	3661.16	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 9:48	0.26	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 9:48	247.75	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 9:48	2.75	mv
MR-AP-MW-36HR	PH	pH	9/14/2022 9:48	7.48	SU
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 9:48	18.15	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 9:48	2.51	NTU
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 9:53	3686.89	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 9:53	0.39	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 9:53	247.65	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 9:53	-10.3	mv
MR-AP-MW-36HR	PH	pH	9/14/2022 9:53	7.48	SU
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 9:53	18.52	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 9:53	2.28	NTU
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 9:58	3638.46	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 9:58	0.54	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 9:58	247.65	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 9:58	-19.17	mv
MR-AP-MW-36HR	PH	pH	9/14/2022 9:58	7.48	SU
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 9:58	18.97	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 9:58	2.09	NTU
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 10:03	3667.27	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 10:03	0.6	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 10:03	247.65	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 10:03	-26.38	mv
MR-AP-MW-36HR	PH	pH	9/14/2022 10:03	7.48	SU
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 10:03	19.13	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 10:03	2.3	NTU
MR-AP-MW-36HR	COND	Conductivity	9/14/2022 10:08	3545.49	uS/cm
MR-AP-MW-36HR	DO	DO	9/14/2022 10:08	0.63	mg/L
MR-AP-MW-36HR	DTW	Depth to Water Detail	9/14/2022 10:08	247.65	ft
MR-AP-MW-36HR	ORP	Oxidation Reduction Potention	9/14/2022 10:08	-33.53	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-36HR	PH	pH	9/14/2022 10:08	7.48	SU
MR-AP-MW-36HR	SULFIDE	Sulfide	9/14/2022 10:08	0	mg/L
MR-AP-MW-36HR	TEMP	Temperature	9/14/2022 10:08	19.31	C
MR-AP-MW-36HR	TURB	Turbidity	9/14/2022 10:08	2.46	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-3D	COND	Conductivity	9/19/2022 13:55	1086.93	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 13:55	0.72	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 13:55	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 13:55	-66.05	mv
MR-AP-MW-3D	PH	pH	9/19/2022 13:55	6.86	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 13:55	19.59	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 13:55	26.5	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:00	1070.95	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:00	0.4	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:00	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:00	-65.7	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:00	6.84	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:00	19.5	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:00	10.6	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:05	1063.84	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:05	0.34	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:05	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:05	-66.09	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:05	6.84	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:05	19.58	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:05	8.58	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:10	1055.47	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:10	0.33	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:10	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:10	-66.03	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:10	6.83	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:10	19.68	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:10	14.5	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:15	1058.05	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:15	0.33	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:15	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:15	-66.09	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:15	6.83	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:15	19.82	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:15	15.2	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:20	1057.15	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:20	0.32	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:20	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:20	-66.14	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:20	6.83	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:20	19.69	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:20	14.4	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:25	1057.25	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:25	0.33	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:25	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:25	-65.87	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-3D	PH	pH	9/19/2022 14:25	6.83	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:25	19.72	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:25	13.7	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:30	1051.93	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:30	0.33	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:30	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:30	-64.92	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:30	6.83	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:30	19.36	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:30	10.34	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:35	1052.05	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:35	0.33	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:35	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:35	-64.34	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:35	6.82	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:35	19.31	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:35	9.84	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:40	1048.73	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:40	0.32	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:40	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:40	-63.5	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:40	6.81	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:40	19.29	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:40	11.3	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:45	1047.54	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:45	0.32	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:45	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:45	-62.9	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:45	6.8	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:45	19.31	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:45	10.31	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:50	1046.74	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:50	0.32	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:50	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:50	-62.32	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:50	6.79	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:50	19.27	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:50	11.39	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 14:55	1045.28	uS/cm
MR-AP-MW-3D	DO	DO	9/19/2022 14:55	0.32	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 14:55	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 14:55	-61.55	mv
MR-AP-MW-3D	PH	pH	9/19/2022 14:55	6.78	SU
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 14:55	19.12	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 14:55	9.12	NTU
MR-AP-MW-3D	COND	Conductivity	9/19/2022 15:00	1045.99	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-3D	DO	DO	9/19/2022 15:00	0.32	mg/L
MR-AP-MW-3D	DTW	Depth to Water Detail	9/19/2022 15:00	118.19	ft
MR-AP-MW-3D	ORP	Oxidation Reduction Potention	9/19/2022 15:00	-61.1	mv
MR-AP-MW-3D	PH	pH	9/19/2022 15:00	6.77	SU
MR-AP-MW-3D	SULFIDE	Sulfide	9/19/2022 15:00	0	mg/L
MR-AP-MW-3D	TEMP	Temperature	9/19/2022 15:00	19.23	C
MR-AP-MW-3D	TURB	Turbidity	9/19/2022 15:00	7.96	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-3S	COND	Conductivity	9/19/2022 12:49	1157.9	uS/cm
MR-AP-MW-3S	DO	DO	9/19/2022 12:49	0.59	mg/L
MR-AP-MW-3S	DTW	Depth to Water Detail	9/19/2022 12:49	98.39	ft
MR-AP-MW-3S	ORP	Oxidation Reduction Potention	9/19/2022 12:49	-221.61	mv
MR-AP-MW-3S	PH	pH	9/19/2022 12:49	8.76	SU
MR-AP-MW-3S	TEMP	Temperature	9/19/2022 12:49	20.22	C
MR-AP-MW-3S	TURB	Turbidity	9/19/2022 12:49	0.85	NTU
MR-AP-MW-3S	COND	Conductivity	9/19/2022 12:54	1123.05	uS/cm
MR-AP-MW-3S	DO	DO	9/19/2022 12:54	0.38	mg/L
MR-AP-MW-3S	DTW	Depth to Water Detail	9/19/2022 12:54	98.51	ft
MR-AP-MW-3S	ORP	Oxidation Reduction Potention	9/19/2022 12:54	-203.45	mv
MR-AP-MW-3S	PH	pH	9/19/2022 12:54	8.69	SU
MR-AP-MW-3S	TEMP	Temperature	9/19/2022 12:54	20.02	C
MR-AP-MW-3S	TURB	Turbidity	9/19/2022 12:54	0.45	NTU
MR-AP-MW-3S	COND	Conductivity	9/19/2022 12:59	1101.98	uS/cm
MR-AP-MW-3S	DO	DO	9/19/2022 12:59	0.33	mg/L
MR-AP-MW-3S	DTW	Depth to Water Detail	9/19/2022 12:59	98.54	ft
MR-AP-MW-3S	ORP	Oxidation Reduction Potention	9/19/2022 12:59	-200.43	mv
MR-AP-MW-3S	PH	pH	9/19/2022 12:59	8.71	SU
MR-AP-MW-3S	TEMP	Temperature	9/19/2022 12:59	19.96	C
MR-AP-MW-3S	TURB	Turbidity	9/19/2022 12:59	0.51	NTU
MR-AP-MW-3S	COND	Conductivity	9/19/2022 13:04	1086.79	uS/cm
MR-AP-MW-3S	DO	DO	9/19/2022 13:04	0.33	mg/L
MR-AP-MW-3S	DTW	Depth to Water Detail	9/19/2022 13:04	98.56	ft
MR-AP-MW-3S	ORP	Oxidation Reduction Potention	9/19/2022 13:04	-201.59	mv
MR-AP-MW-3S	PH	pH	9/19/2022 13:04	8.73	SU
MR-AP-MW-3S	SULFIDE	Sulfide	9/19/2022 13:04	0	mg/L
MR-AP-MW-3S	TEMP	Temperature	9/19/2022 13:04	20.12	C
MR-AP-MW-3S	TURB	Turbidity	9/19/2022 13:04	0.5	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-35H	COND	Conductivity	9/19/2022 11:22	686.93	uS/cm
MR-AP-MW-35H	DO	DO	9/19/2022 11:22	0.13	mg/L
MR-AP-MW-35H	DTW	Depth to Water Detail	9/19/2022 11:22	12.72	ft
MR-AP-MW-35H	ORP	Oxidation Reduction Potention	9/19/2022 11:22	-58.87	mv
MR-AP-MW-35H	PH	pH	9/19/2022 11:22	6.44	SU
MR-AP-MW-35H	TEMP	Temperature	9/19/2022 11:22	19.22	C
MR-AP-MW-35H	TURB	Turbidity	9/19/2022 11:22	0.66	NTU
MR-AP-MW-35H	COND	Conductivity	9/19/2022 11:27	662.9	uS/cm
MR-AP-MW-35H	DO	DO	9/19/2022 11:27	0.09	mg/L
MR-AP-MW-35H	DTW	Depth to Water Detail	9/19/2022 11:27	12.72	ft
MR-AP-MW-35H	ORP	Oxidation Reduction Potention	9/19/2022 11:27	-58.4	mv
MR-AP-MW-35H	PH	pH	9/19/2022 11:27	6.33	SU
MR-AP-MW-35H	TEMP	Temperature	9/19/2022 11:27	19.12	C
MR-AP-MW-35H	TURB	Turbidity	9/19/2022 11:27	0.58	NTU
MR-AP-MW-35H	COND	Conductivity	9/19/2022 11:32	651.18	uS/cm
MR-AP-MW-35H	DO	DO	9/19/2022 11:32	0.08	mg/L
MR-AP-MW-35H	DTW	Depth to Water Detail	9/19/2022 11:32	12.72	ft
MR-AP-MW-35H	ORP	Oxidation Reduction Potention	9/19/2022 11:32	-50.74	mv
MR-AP-MW-35H	PH	pH	9/19/2022 11:32	6.28	SU
MR-AP-MW-35H	TEMP	Temperature	9/19/2022 11:32	19.09	C
MR-AP-MW-35H	TURB	Turbidity	9/19/2022 11:32	0.55	NTU
MR-AP-MW-35H	COND	Conductivity	9/19/2022 11:37	647.35	uS/cm
MR-AP-MW-35H	DO	DO	9/19/2022 11:37	0.07	mg/L
MR-AP-MW-35H	DTW	Depth to Water Detail	9/19/2022 11:37	12.72	ft
MR-AP-MW-35H	ORP	Oxidation Reduction Potention	9/19/2022 11:37	-45.29	mv
MR-AP-MW-35H	PH	pH	9/19/2022 11:37	6.23	SU
MR-AP-MW-35H	SULFIDE	Sulfide	9/19/2022 11:37	0	mg/L
MR-AP-MW-35H	TEMP	Temperature	9/19/2022 11:37	19.03	C
MR-AP-MW-35H	TURB	Turbidity	9/19/2022 11:37	0.56	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:03	3804.43	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:03	0.12	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:03	202.8	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:03	-172.7	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:03	11.78	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:03	18.45	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:03	9.59	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:08	3755.72	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:08	0.09	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:08	205.15	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:08	-190.94	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:08	11.84	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:08	18.28	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:08	9.09	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:13	3525.95	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:13	0.08	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:13	208.45	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:13	-203.06	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:13	11.85	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:13	18.24	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:13	5.09	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:18	3084.18	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:18	0.09	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:18	210.05	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:18	-210.58	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:18	11.84	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:18	18.37	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:18	3.47	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:23	2671.95	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:23	0.11	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:23	211.8	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:23	-213.15	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:23	11.81	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:23	18.7	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:23	5.67	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:28	2117.56	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:28	0.11	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:28	212.1	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:28	-218.62	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:28	11.76	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:28	18.72	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:28	10.25	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:33	1501.77	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:33	0.11	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:33	212.52	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:33	-216.79	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	PH	pH	9/19/2022 12:33	11.62	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:33	18.71	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:33	14.2	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:38	1304.9	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:38	0.09	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:38	212.95	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:38	-215.39	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:38	11.51	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:38	18.74	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:38	23.2	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:43	1191.86	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:43	0.11	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:43	212.4	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:43	-217	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:43	11.39	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:43	19.44	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:43	17.8	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:48	1137.81	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:48	0.09	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:48	211.25	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:48	-219.24	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:48	11.35	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:48	19.47	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:48	17.2	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:53	1032.88	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:53	0.1	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:53	211.15	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:53	-216.31	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:53	10.9	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:53	19.6	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:53	19.6	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 12:58	1026.89	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 12:58	0.1	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 12:58	210.65	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 12:58	-207.92	mv
MR-AP-MW-1	PH	pH	9/19/2022 12:58	10.03	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 12:58	19.45	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 12:58	8.38	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 13:03	1101.58	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 13:03	0.09	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 13:03	210.4	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 13:03	-233.11	mv
MR-AP-MW-1	PH	pH	9/19/2022 13:03	9.16	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 13:03	19.52	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 13:03	7.59	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 13:08	1194.05	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-1	DO	DO	9/19/2022 13:08	0.08	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 13:08	210	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 13:08	-255.23	mv
MR-AP-MW-1	PH	pH	9/19/2022 13:08	8.64	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 13:08	19.57	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 13:08	5.86	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 13:13	1258.15	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 13:13	0.07	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 13:13	209.55	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 13:13	-252.27	mv
MR-AP-MW-1	PH	pH	9/19/2022 13:13	8.4	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 13:13	19.27	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 13:13	4.11	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 13:18	1295.47	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 13:18	0.05	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 13:18	209.34	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 13:18	-255.77	mv
MR-AP-MW-1	PH	pH	9/19/2022 13:18	8.26	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 13:18	19.53	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 13:18	3.59	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 13:23	1318.29	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 13:23	0.04	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 13:23	209.2	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 13:23	-260.3	mv
MR-AP-MW-1	PH	pH	9/19/2022 13:23	8.18	SU
MR-AP-MW-1	TEMP	Temperature	9/19/2022 13:23	19.5	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 13:23	3.37	NTU
MR-AP-MW-1	COND	Conductivity	9/19/2022 13:28	1338.52	uS/cm
MR-AP-MW-1	DO	DO	9/19/2022 13:28	0.04	mg/L
MR-AP-MW-1	DTW	Depth to Water Detail	9/19/2022 13:28	208.85	ft
MR-AP-MW-1	ORP	Oxidation Reduction Potention	9/19/2022 13:28	-261.67	mv
MR-AP-MW-1	PH	pH	9/19/2022 13:28	8.09	SU
MR-AP-MW-1	SULFIDE	Sulfide	9/19/2022 13:28	0	mg/L
MR-AP-MW-1	TEMP	Temperature	9/19/2022 13:28	19.24	C
MR-AP-MW-1	TURB	Turbidity	9/19/2022 13:28	4.51	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:27	1998	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:27	0.15	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:27	156.3	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:27	-305.47	mv
MR-AP-MW-34H	PH	pH	9/19/2022 14:27	7.92	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:27	18.45	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:27	4.98	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:32	1799.45	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:32	0.13	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:32	157.65	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:32	-313.85	mv
MR-AP-MW-34H	PH	pH	9/19/2022 14:32	7.89	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:32	18.73	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:32	1.7	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:37	1705.47	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:37	0.12	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:37	158.8	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:37	-317.94	mv
MR-AP-MW-34H	PH	pH	9/19/2022 14:37	7.91	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:37	18.77	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:37	1.71	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:42	1686.18	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:42	0.11	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:42	159.3	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:42	-319.06	mv
MR-AP-MW-34H	PH	pH	9/19/2022 14:42	7.94	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:42	19.15	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:42	2.59	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:47	1622.65	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:47	0.11	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:47	159.62	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:47	-319.7	mv
MR-AP-MW-34H	PH	pH	9/19/2022 14:47	7.97	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:47	18.86	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:47	2.92	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:52	1594.16	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:52	0.1	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:52	159.9	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:52	-319.72	mv
MR-AP-MW-34H	PH	pH	9/19/2022 14:52	7.99	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:52	18.6	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:52	1.86	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 14:57	1660.01	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 14:57	0.1	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 14:57	160.4	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 14:57	-319.06	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-34H	PH	pH	9/19/2022 14:57	8	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 14:57	18.67	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 14:57	1.1	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 15:02	1576.61	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 15:02	0.11	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 15:02	160.35	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 15:02	-318.77	mv
MR-AP-MW-34H	PH	pH	9/19/2022 15:02	8.01	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 15:02	18.76	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 15:02	0.6	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 15:07	1625.39	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 15:07	0.1	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 15:07	160.35	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 15:07	-318.39	mv
MR-AP-MW-34H	PH	pH	9/19/2022 15:07	8.03	SU
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 15:07	18.68	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 15:07	1.87	NTU
MR-AP-MW-34H	COND	Conductivity	9/19/2022 15:12	1562.56	uS/cm
MR-AP-MW-34H	DO	DO	9/19/2022 15:12	0.1	mg/L
MR-AP-MW-34H	DTW	Depth to Water Detail	9/19/2022 15:12	160.35	ft
MR-AP-MW-34H	ORP	Oxidation Reduction Potention	9/19/2022 15:12	-317.75	mv
MR-AP-MW-34H	PH	pH	9/19/2022 15:12	8.05	SU
MR-AP-MW-34H	SULFIDE	Sulfide	9/19/2022 15:12	6	mg/L
MR-AP-MW-34H	TEMP	Temperature	9/19/2022 15:12	18.58	C
MR-AP-MW-34H	TURB	Turbidity	9/19/2022 15:12	0.74	NTU

Field Parameters Summary
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WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-30H	COND	Conductivity	9/19/2022 16:35	1888.25	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 16:35	0.18	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 16:35	250.4	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 16:35	-93.28	mv
MR-AP-MW-30H	PH	pH	9/19/2022 16:35	6.66	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 16:35	18.59	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 16:35	1.87	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 16:40	1883.21	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 16:40	0.25	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 16:40	251.82	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 16:40	-94.83	mv
MR-AP-MW-30H	PH	pH	9/19/2022 16:40	6.67	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 16:40	19.13	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 16:40	1.72	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 16:45	1881.02	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 16:45	0.27	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 16:45	253.1	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 16:45	-96.47	mv
MR-AP-MW-30H	PH	pH	9/19/2022 16:45	6.69	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 16:45	19.26	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 16:45	1.01	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 16:50	1873.94	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 16:50	0.21	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 16:50	254.78	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 16:50	-99.43	mv
MR-AP-MW-30H	PH	pH	9/19/2022 16:50	6.7	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 16:50	18.93	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 16:50	1	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 16:55	1876.28	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 16:55	0.17	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 16:55	255.9	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 16:55	-103.96	mv
MR-AP-MW-30H	PH	pH	9/19/2022 16:55	6.71	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 16:55	18.63	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 16:55	0.97	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:00	1875.96	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:00	0.26	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:00	256.45	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:00	-105.13	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:00	6.71	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:00	19.58	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:00	0.72	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:05	1874.82	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:05	0.28	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:05	256.89	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:05	-105.61	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-30H	PH	pH	9/19/2022 17:05	6.72	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:05	19.55	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:05	0.7	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:10	1868.67	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:10	0.28	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:10	257.2	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:10	-106.73	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:10	6.74	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:10	19.59	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:10	0.89	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:15	1868.95	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:15	0.27	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:15	257.52	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:15	-107.83	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:15	6.75	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:15	19.54	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:15	0.71	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:20	1863.55	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:20	0.27	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:20	257.85	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:20	-107.97	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:20	6.76	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:20	19.39	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:20	0.78	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:25	1860.02	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:25	0.26	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:25	258.2	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:25	-108.76	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:25	6.77	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:25	19.48	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:25	0.98	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:30	1857.05	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:30	0.27	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:30	258.2	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:30	-109.69	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:30	6.78	SU
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:30	19.29	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:30	1.07	NTU
MR-AP-MW-30H	COND	Conductivity	9/19/2022 17:35	1851.48	uS/cm
MR-AP-MW-30H	DO	DO	9/19/2022 17:35	0.23	mg/L
MR-AP-MW-30H	DTW	Depth to Water Detail	9/19/2022 17:35	258.2	ft
MR-AP-MW-30H	ORP	Oxidation Reduction Potention	9/19/2022 17:35	-112	mv
MR-AP-MW-30H	PH	pH	9/19/2022 17:35	6.78	SU
MR-AP-MW-30H	SULFIDE	Sulfide	9/19/2022 17:35	0	mg/L
MR-AP-MW-30H	TEMP	Temperature	9/19/2022 17:35	19.35	C
MR-AP-MW-30H	TURB	Turbidity	9/19/2022 17:35	1.01	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-31H	COND	Conductivity	9/20/2022 7:54	1166.89	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 7:54	0.14	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 7:54	252.46	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 7:54	-71.57	mv
MR-AP-MW-31H	PH	pH	9/20/2022 7:54	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 7:54	17.97	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 7:54	18.5	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 7:59	1165.8	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 7:59	0.12	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 7:59	255.5	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 7:59	-61.74	mv
MR-AP-MW-31H	PH	pH	9/20/2022 7:59	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 7:59	17.89	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 7:59	19.9	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:04	1167.1	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:04	0.11	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:04	259.1	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:04	-60.74	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:04	7	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:04	18.01	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:04	19.4	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:09	1170.92	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:09	0.13	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:09	261.35	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:09	-60.89	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:09	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:09	18.32	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:09	17	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:14	1159.94	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:14	0.16	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:14	262.4	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:14	-56.94	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:14	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:14	18.3	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:14	14.4	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:19	1155.21	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:19	0.15	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:19	263.6	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:19	-66.95	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:19	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:19	18.43	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:19	14.9	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:24	1151.87	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:24	0.21	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:24	264.25	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:24	-66.92	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-31H	PH	pH	9/20/2022 8:24	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:24	18.87	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:24	13.1	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:29	1144.47	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:29	0.13	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:29	265.3	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:29	-70.26	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:29	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:29	18.4	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:29	10.4	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:34	1142.87	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:34	0.11	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:34	266.5	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:34	-76.92	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:34	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:34	18.37	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:34	10.87	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:39	1139.29	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:39	0.12	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:39	267.65	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:39	-78.68	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:39	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:39	18.43	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:39	9.48	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:44	1136.02	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:44	0.11	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:44	268.8	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:44	-81.11	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:44	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:44	18.45	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:44	7.97	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:49	1133.66	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:49	0.11	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:49	269.9	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:49	-83.87	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:49	7	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:49	18.53	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:49	8.69	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:54	1132.06	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 8:54	0.1	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:54	270.9	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:54	-87.13	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:54	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:54	18.57	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:54	4.74	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 8:59	1128.49	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-31H	DO	DO	9/20/2022 8:59	0.07	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 8:59	272.8	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 8:59	-91.17	mv
MR-AP-MW-31H	PH	pH	9/20/2022 8:59	6.99	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 8:59	18.37	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 8:59	4.34	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 9:04	1124.74	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 9:04	0.07	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 9:04	272.98	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 9:04	-94.74	mv
MR-AP-MW-31H	PH	pH	9/20/2022 9:04	7.01	SU
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 9:04	18.3	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 9:04	4.86	NTU
MR-AP-MW-31H	COND	Conductivity	9/20/2022 9:09	1128.01	uS/cm
MR-AP-MW-31H	DO	DO	9/20/2022 9:09	0.08	mg/L
MR-AP-MW-31H	DTW	Depth to Water Detail	9/20/2022 9:09	272.98	ft
MR-AP-MW-31H	ORP	Oxidation Reduction Potention	9/20/2022 9:09	-95.88	mv
MR-AP-MW-31H	PH	pH	9/20/2022 9:09	7	SU
MR-AP-MW-31H	SULFIDE	Sulfide	9/20/2022 9:09	0	mg/L
MR-AP-MW-31H	TEMP	Temperature	9/20/2022 9:09	18.28	C
MR-AP-MW-31H	TURB	Turbidity	9/20/2022 9:09	4.39	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:12	1549.94	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:12	0.13	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:12	239.8	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:12	-65.2	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:12	6.52	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:12	18.79	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:12	2.35	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:17	1549.58	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:17	0	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:17	242.5	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:17	-72.09	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:17	6.55	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:17	18.86	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:17	18.1	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:22	1316.29	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:22	0.23	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:22	243.4	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:22	-113.9	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:22	7.43	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:22	20.32	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:22	20.4	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:27	1232.12	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:27	0.38	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:27	244.05	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:27	-162.67	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:27	9.06	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:27	20.44	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:27	13.8	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:32	1260.02	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:32	0.27	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:32	244.52	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:32	-128.77	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:32	8.85	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:32	20.61	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:32	11.08	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:37	1283.28	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:37	0.31	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:37	245.05	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:37	-155.22	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:37	8.53	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:37	20.77	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:37	9.5	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:42	1305.73	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:42	0.24	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:42	245.6	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:42	-179.62	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	PH	pH	9/20/2022 10:42	8.1	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:42	20.72	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:42	8.29	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:47	1319.4	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:47	0.32	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:47	245.65	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:47	-161.27	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:47	7.84	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:47	22.63	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:47	7.35	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:52	1326.49	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:52	0.23	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:52	245.75	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:52	-140.65	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:52	7.58	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:52	21.6	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:52	6.96	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 10:57	1350.01	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 10:57	0.16	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 10:57	246.15	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 10:57	-108.48	mv
MR-AP-MW-11	PH	pH	9/20/2022 10:57	7.19	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 10:57	21.2	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 10:57	7.01	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:02	1350.66	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:02	0.17	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:02	246.5	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:02	-106.74	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:02	7.16	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:02	21.21	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:02	6	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:07	1369.27	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:07	0.19	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:07	246.7	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:07	-102.16	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:07	7.07	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:07	21.49	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:07	5.54	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:12	1376.66	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:12	0.22	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:12	246.98	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:12	-96.94	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:12	6.99	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:12	21.54	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:12	4.74	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:17	1388.07	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	DO	DO	9/20/2022 11:17	0.25	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:17	247.26	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:17	-93.51	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:17	6.94	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:17	21.43	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:17	4.34	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:22	1388.12	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:22	0.26	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:22	247.85	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:22	-90.45	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:22	6.91	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:22	20.34	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:22	7.12	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:27	1383.64	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:27	0.23	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:27	248.85	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:27	-92.09	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:27	6.9	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:27	19.77	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:27	5.96	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:32	1389.29	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:32	0.23	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:32	249.75	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:32	-92.52	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:32	6.88	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:32	19.56	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:32	5.45	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:37	1378.94	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:37	0.24	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:37	250.64	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:37	-94.68	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:37	6.91	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:37	19.97	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:37	4.08	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:42	1358.69	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:42	0.26	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:42	251.25	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:42	-100.31	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:42	7.01	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:42	19.82	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:42	4.34	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:47	1338.02	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:47	0.28	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:47	252.1	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:47	-104.68	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:47	7.08	SU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:47	19.67	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:47	6.66	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:52	1352.33	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:52	0.22	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:52	252.7	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:52	-103.13	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:52	7.05	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:52	20.04	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:52	6.51	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 11:57	1344.82	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 11:57	0.15	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 11:57	253.25	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 11:57	-101.52	mv
MR-AP-MW-11	PH	pH	9/20/2022 11:57	7.03	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 11:57	19.98	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 11:57	6.26	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:02	1355.57	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:02	0.14	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:02	253.85	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:02	-98.49	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:02	6.98	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:02	19.7	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:02	6.19	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:07	1369.08	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:07	0.11	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:07	254.7	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:07	-95.91	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:07	6.93	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:07	20.16	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:07	5.22	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:12	1364.97	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:12	0.09	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:12	254.82	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:12	-94.26	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:12	6.9	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:12	19.99	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:12	5.92	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:17	1369.31	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:17	0.08	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:17	255.28	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:17	-92.3	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:17	6.87	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:17	19.74	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:17	6.06	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:22	1369.67	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:22	0.07	mg/L

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:22	255.8	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:22	-90.04	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:22	6.83	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:22	20.13	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:22	5.19	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:27	1340.69	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:27	0.32	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:27	255.7	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:27	-91.51	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:27	6.82	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:27	21.99	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:27	7.1	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:32	1383.38	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:32	0.38	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:32	255.2	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:32	-88.51	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:32	6.79	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:32	21.63	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:32	5.5	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:37	1416.35	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:37	0.33	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:37	254.9	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:37	-83.68	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:37	6.73	SU
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:37	22.21	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:37	7.13	NTU
MR-AP-MW-11	COND	Conductivity	9/20/2022 12:42	1418.91	uS/cm
MR-AP-MW-11	DO	DO	9/20/2022 12:42	0.32	mg/L
MR-AP-MW-11	DTW	Depth to Water Detail	9/20/2022 12:42	254.5	ft
MR-AP-MW-11	ORP	Oxidation Reduction Potention	9/20/2022 12:42	-81.36	mv
MR-AP-MW-11	PH	pH	9/20/2022 12:42	6.7	SU
MR-AP-MW-11	SULFIDE	Sulfide	9/20/2022 12:42	0	mg/L
MR-AP-MW-11	TEMP	Temperature	9/20/2022 12:42	22.42	C
MR-AP-MW-11	TURB	Turbidity	9/20/2022 12:42	3.94	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22D	COND	Conductivity	9/21/2022 7:46	7145.77	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 7:46	0.08	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 7:46	40.85	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 7:46	-205.04	mv
MR-AP-MW-22D	PH	pH	9/21/2022 7:46	7.84	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 7:46	18.08	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 7:46		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 7:51	7277.76	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 7:51	0.05	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 7:51	45.8	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 7:51	-215.88	mv
MR-AP-MW-22D	PH	pH	9/21/2022 7:51	7.85	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 7:51	18.08	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 7:51		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 7:56	6879.48	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 7:56	0.03	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 7:56	52	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 7:56	-224.08	mv
MR-AP-MW-22D	PH	pH	9/21/2022 7:56	7.85	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 7:56	18.16	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 7:56		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:01	6739.68	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:01	0.02	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:01	63.3	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:01	-230.63	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:01	7.87	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:01	18.26	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:01		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:06	6650.39	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:06	0	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:06	68.8	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:06	-234.92	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:06	7.86	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:06	18.37	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:06		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:11	6977.68	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:11	0	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:11	70.1	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:11	-239.83	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:11	7.86	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:11	18.29	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:11		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:16	6667.98	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:16	0	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:16	75.15	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:16	-245.94	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22D	PH	pH	9/21/2022 8:16	7.86	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:16	18.44	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:16		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:21	6822.7	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:21	0	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:21	81.35	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:21	-253.13	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:21	7.86	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:21	18.53	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:21		NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:26	6486.33	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:26	0.12	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:26	82.52	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:26	-262.62	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:26	7.84	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:26	21.61	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:26	1.05	NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:31	6298.27	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:31	0.12	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:31	82.4	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:31	-270.76	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:31	7.82	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:31	22.35	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:31	2.02	NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:36	6524.16	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:36	0.12	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:36	82.2	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:36	-272.43	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:36	7.82	SU
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:36	22.52	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:36	1.43	NTU
MR-AP-MW-22D	COND	Conductivity	9/21/2022 8:41	6352.82	uS/cm
MR-AP-MW-22D	DO	DO	9/21/2022 8:41	0.09	mg/L
MR-AP-MW-22D	DTW	Depth to Water Detail	9/21/2022 8:41	82.1	ft
MR-AP-MW-22D	ORP	Oxidation Reduction Potention	9/21/2022 8:41	-267.6	mv
MR-AP-MW-22D	PH	pH	9/21/2022 8:41	7.82	SU
MR-AP-MW-22D	SULFIDE	Sulfide	9/21/2022 8:41	0	mg/L
MR-AP-MW-22D	TEMP	Temperature	9/21/2022 8:41	23.04	C
MR-AP-MW-22D	TURB	Turbidity	9/21/2022 8:41	1.03	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:09	816.54	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:09	0.07	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:09	30.32	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:09	-176.73	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:09	7.96	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:09	19.77	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:09	1.46	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:14	611.22	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:14	0.04	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:14	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:14	-191.88	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:14	8.08	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:14	19.84	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:14	2.29	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:19	499.25	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:19	0.04	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:19	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:19	-191.75	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:19	8.02	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:19	19.82	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:19	1.51	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:24	549.61	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:24	0.04	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:24	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:24	-194.8	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:24	8.08	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:24	19.54	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:24	1.88	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:29	578.23	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:29	0.04	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:29	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:29	-200.33	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:29	8.14	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:29	19.57	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:29	3.82	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:34	495.1	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:34	0.03	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:34	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:34	-203.39	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:34	8.17	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:34	19.87	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:34	3.37	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:39	589.09	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:39	0.03	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:39	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:39	-201.62	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22I	PH	pH	9/21/2022 10:39	8.18	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:39	20.1	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:39	0.97	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:44	545.21	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:44	0.03	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:44	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:44	-205.12	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:44	8.17	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:44	20.31	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:44	1.4	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:49	606.14	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:49	0.03	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:49	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:49	-204.2	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:49	8.14	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:49	20.42	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:49	0.82	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:54	618.05	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:54	0.03	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:54	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:54	-203.22	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:54	8.11	SU
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:54	20.72	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:54	0.84	NTU
MR-AP-MW-22I	COND	Conductivity	9/21/2022 10:59	631.11	uS/cm
MR-AP-MW-22I	DO	DO	9/21/2022 10:59	0.03	mg/L
MR-AP-MW-22I	DTW	Depth to Water Detail	9/21/2022 10:59	30.42	ft
MR-AP-MW-22I	ORP	Oxidation Reduction Potention	9/21/2022 10:59	-202.45	mv
MR-AP-MW-22I	PH	pH	9/21/2022 10:59	8.09	SU
MR-AP-MW-22I	SULFIDE	Sulfide	9/21/2022 10:59	0	mg/L
MR-AP-MW-22I	TEMP	Temperature	9/21/2022 10:59	20.81	C
MR-AP-MW-22I	TURB	Turbidity	9/21/2022 10:59	0.98	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-22S	COND	Conductivity	9/21/2022 11:26	1141.14	uS/cm
MR-AP-MW-22S	DO	DO	9/21/2022 11:26	0.08	mg/L
MR-AP-MW-22S	DTW	Depth to Water Detail	9/21/2022 11:26	15.98	ft
MR-AP-MW-22S	ORP	Oxidation Reduction Potention	9/21/2022 11:26	-123.43	mv
MR-AP-MW-22S	PH	pH	9/21/2022 11:26	6.86	SU
MR-AP-MW-22S	TEMP	Temperature	9/21/2022 11:26	19.16	C
MR-AP-MW-22S	TURB	Turbidity	9/21/2022 11:26	0.8	NTU
MR-AP-MW-22S	COND	Conductivity	9/21/2022 11:31	1132.3	uS/cm
MR-AP-MW-22S	DO	DO	9/21/2022 11:31	0.07	mg/L
MR-AP-MW-22S	DTW	Depth to Water Detail	9/21/2022 11:31	15.98	ft
MR-AP-MW-22S	ORP	Oxidation Reduction Potention	9/21/2022 11:31	-117.59	mv
MR-AP-MW-22S	PH	pH	9/21/2022 11:31	6.82	SU
MR-AP-MW-22S	TEMP	Temperature	9/21/2022 11:31	19.16	C
MR-AP-MW-22S	TURB	Turbidity	9/21/2022 11:31	0.56	NTU
MR-AP-MW-22S	COND	Conductivity	9/21/2022 11:36	1125.53	uS/cm
MR-AP-MW-22S	DO	DO	9/21/2022 11:36	0.06	mg/L
MR-AP-MW-22S	DTW	Depth to Water Detail	9/21/2022 11:36	15.98	ft
MR-AP-MW-22S	ORP	Oxidation Reduction Potention	9/21/2022 11:36	-114.05	mv
MR-AP-MW-22S	PH	pH	9/21/2022 11:36	6.79	SU
MR-AP-MW-22S	TEMP	Temperature	9/21/2022 11:36	19.13	C
MR-AP-MW-22S	TURB	Turbidity	9/21/2022 11:36	0.62	NTU
MR-AP-MW-22S	COND	Conductivity	9/21/2022 11:41	1124.22	uS/cm
MR-AP-MW-22S	DO	DO	9/21/2022 11:41	0.06	mg/L
MR-AP-MW-22S	DTW	Depth to Water Detail	9/21/2022 11:41	15.98	ft
MR-AP-MW-22S	ORP	Oxidation Reduction Potention	9/21/2022 11:41	-112.23	mv
MR-AP-MW-22S	PH	pH	9/21/2022 11:41	6.78	SU
MR-AP-MW-22S	SULFIDE	Sulfide	9/21/2022 11:41	0	mg/L
MR-AP-MW-22S	TEMP	Temperature	9/21/2022 11:41	19.2	C
MR-AP-MW-22S	TURB	Turbidity	9/21/2022 11:41	0.79	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-5	COND	Conductivity	9/20/2022 10:56	1424.16	uS/cm
MR-AP-MW-5	DO	DO	9/20/2022 10:56	0.07	mg/L
MR-AP-MW-5	DTW	Depth to Water Detail	9/20/2022 10:56	0	ft
MR-AP-MW-5	ORP	Oxidation Reduction Potention	9/20/2022 10:56	-235.39	mv
MR-AP-MW-5	PH	pH	9/20/2022 10:56	7.09	SU
MR-AP-MW-5	TEMP	Temperature	9/20/2022 10:56	17.8	C
MR-AP-MW-5	TURB	Turbidity	9/20/2022 10:56	0.78	NTU
MR-AP-MW-5	COND	Conductivity	9/20/2022 11:01	1415.68	uS/cm
MR-AP-MW-5	DO	DO	9/20/2022 11:01	0.07	mg/L
MR-AP-MW-5	DTW	Depth to Water Detail	9/20/2022 11:01	0	ft
MR-AP-MW-5	ORP	Oxidation Reduction Potention	9/20/2022 11:01	-232.18	mv
MR-AP-MW-5	PH	pH	9/20/2022 11:01	7.07	SU
MR-AP-MW-5	TEMP	Temperature	9/20/2022 11:01	17.8	C
MR-AP-MW-5	TURB	Turbidity	9/20/2022 11:01	0.46	NTU
MR-AP-MW-5	COND	Conductivity	9/20/2022 11:06	1412.58	uS/cm
MR-AP-MW-5	DO	DO	9/20/2022 11:06	0.07	mg/L
MR-AP-MW-5	DTW	Depth to Water Detail	9/20/2022 11:06	0	ft
MR-AP-MW-5	ORP	Oxidation Reduction Potention	9/20/2022 11:06	-229.59	mv
MR-AP-MW-5	PH	pH	9/20/2022 11:06	7.05	SU
MR-AP-MW-5	TEMP	Temperature	9/20/2022 11:06	17.85	C
MR-AP-MW-5	TURB	Turbidity	9/20/2022 11:06	0.42	NTU
MR-AP-MW-5	COND	Conductivity	9/20/2022 11:11	1409.59	uS/cm
MR-AP-MW-5	DO	DO	9/20/2022 11:11	0.07	mg/L
MR-AP-MW-5	DTW	Depth to Water Detail	9/20/2022 11:11	0	ft
MR-AP-MW-5	ORP	Oxidation Reduction Potention	9/20/2022 11:11	-227.52	mv
MR-AP-MW-5	PH	pH	9/20/2022 11:11	7.03	SU
MR-AP-MW-5	SULFIDE	Sulfide	9/20/2022 11:11	0	mg/L
MR-AP-MW-5	TEMP	Temperature	9/20/2022 11:11	17.93	C
MR-AP-MW-5	TURB	Turbidity	9/20/2022 11:11	0.36	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:05	1640.16	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:05	0.3	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:05	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:05	-118.59	mv
MR-AP-MW-7DR	PH	pH	9/20/2022 12:05	6.78	SU
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:05	19.76	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:05	1.67	NTU
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:10	1497.07	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:10	0.22	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:10	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:10	-115.16	mv
MR-AP-MW-7DR	PH	pH	9/20/2022 12:10	6.75	SU
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:10	19.51	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:10	0.8	NTU
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:15	1385.75	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:15	0.2	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:15	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:15	-112.01	mv
MR-AP-MW-7DR	PH	pH	9/20/2022 12:15	6.72	SU
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:15	19.33	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:15	0.74	NTU
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:20	1286.09	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:20	0.2	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:20	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:20	-108.98	mv
MR-AP-MW-7DR	PH	pH	9/20/2022 12:20	6.7	SU
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:20	19.41	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:20	0.76	NTU
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:25	1233.98	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:25	0.19	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:25	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:25	-107.57	mv
MR-AP-MW-7DR	PH	pH	9/20/2022 12:25	6.7	SU
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:25	19.19	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:25	0.63	NTU
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:30	1187.45	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:30	0.19	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:30	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:30	-105.87	mv
MR-AP-MW-7DR	PH	pH	9/20/2022 12:30	6.7	SU
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:30	19.12	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:30	0.58	NTU
MR-AP-MW-7DR	COND	Conductivity	9/20/2022 12:35	1183.76	uS/cm
MR-AP-MW-7DR	DO	DO	9/20/2022 12:35	0.2	mg/L
MR-AP-MW-7DR	DTW	Depth to Water Detail	9/20/2022 12:35	77.45	ft
MR-AP-MW-7DR	ORP	Oxidation Reduction Potention	9/20/2022 12:35	-105.36	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-7DR	PH	pH	9/20/2022 12:35	6.69	SU
MR-AP-MW-7DR	SULFIDE	Sulfide	9/20/2022 12:35	0	mg/L
MR-AP-MW-7DR	TEMP	Temperature	9/20/2022 12:35	19.38	C
MR-AP-MW-7DR	TURB	Turbidity	9/20/2022 12:35	0.59	NTU
MR-AP-MW-7SR	COND	Conductivity	9/20/2022 13:09	940.05	uS/cm
MR-AP-MW-7SR	DO	DO	9/20/2022 13:09	0.18	mg/L
MR-AP-MW-7SR	DTW	Depth to Water Detail	9/20/2022 13:09	14.74	ft
MR-AP-MW-7SR	ORP	Oxidation Reduction Potention	9/20/2022 13:09	-96.43	mv
MR-AP-MW-7SR	PH	pH	9/20/2022 13:09	6.53	SU
MR-AP-MW-7SR	TEMP	Temperature	9/20/2022 13:09	19.83	C
MR-AP-MW-7SR	TURB	Turbidity	9/20/2022 13:09	0.94	NTU
MR-AP-MW-7SR	COND	Conductivity	9/20/2022 13:14	925.63	uS/cm
MR-AP-MW-7SR	DO	DO	9/20/2022 13:14	0.15	mg/L
MR-AP-MW-7SR	DTW	Depth to Water Detail	9/20/2022 13:14	15.55	ft
MR-AP-MW-7SR	ORP	Oxidation Reduction Potention	9/20/2022 13:14	-91.93	mv
MR-AP-MW-7SR	PH	pH	9/20/2022 13:14	6.51	SU
MR-AP-MW-7SR	TEMP	Temperature	9/20/2022 13:14	19.61	C
MR-AP-MW-7SR	TURB	Turbidity	9/20/2022 13:14	1.39	NTU
MR-AP-MW-7SR	COND	Conductivity	9/20/2022 13:19	919.73	uS/cm
MR-AP-MW-7SR	DO	DO	9/20/2022 13:19	0.15	mg/L
MR-AP-MW-7SR	DTW	Depth to Water Detail	9/20/2022 13:19	15.7	ft
MR-AP-MW-7SR	ORP	Oxidation Reduction Potention	9/20/2022 13:19	-92.37	mv
MR-AP-MW-7SR	PH	pH	9/20/2022 13:19	6.5	SU
MR-AP-MW-7SR	TEMP	Temperature	9/20/2022 13:19	19.44	C
MR-AP-MW-7SR	TURB	Turbidity	9/20/2022 13:19	1.2	NTU
MR-AP-MW-7SR	COND	Conductivity	9/20/2022 13:24	918.9	uS/cm
MR-AP-MW-7SR	DO	DO	9/20/2022 13:24	0.14	mg/L
MR-AP-MW-7SR	DTW	Depth to Water Detail	9/20/2022 13:24	15.7	ft
MR-AP-MW-7SR	ORP	Oxidation Reduction Potention	9/20/2022 13:24	-95.97	mv
MR-AP-MW-7SR	PH	pH	9/20/2022 13:24	6.5	SU
MR-AP-MW-7SR	SULFIDE	Sulfide	9/20/2022 13:24	0	mg/L
MR-AP-MW-7SR	TEMP	Temperature	9/20/2022 13:24	19.64	C
MR-AP-MW-7SR	TURB	Turbidity	9/20/2022 13:24	0.96	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-33H	COND	Conductivity	9/20/2022 7:54	1435.58	uS/cm
MR-AP-MW-33H	DO	DO	9/20/2022 7:54	0.75	mg/L
MR-AP-MW-33H	DTW	Depth to Water Detail	9/20/2022 7:54	22.98	ft
MR-AP-MW-33H	ORP	Oxidation Reduction Potention	9/20/2022 7:54	-29.06	mv
MR-AP-MW-33H	PH	pH	9/20/2022 7:54	6.39	SU
MR-AP-MW-33H	TEMP	Temperature	9/20/2022 7:54	19.07	C
MR-AP-MW-33H	TURB	Turbidity	9/20/2022 7:54	2.85	NTU
MR-AP-MW-33H	COND	Conductivity	9/20/2022 7:59	1430.86	uS/cm
MR-AP-MW-33H	DO	DO	9/20/2022 7:59	0.63	mg/L
MR-AP-MW-33H	DTW	Depth to Water Detail	9/20/2022 7:59	23.09	ft
MR-AP-MW-33H	ORP	Oxidation Reduction Potention	9/20/2022 7:59	-23.2	mv
MR-AP-MW-33H	PH	pH	9/20/2022 7:59	6.37	SU
MR-AP-MW-33H	TEMP	Temperature	9/20/2022 7:59	18.92	C
MR-AP-MW-33H	TURB	Turbidity	9/20/2022 7:59	5.59	NTU
MR-AP-MW-33H	COND	Conductivity	9/20/2022 8:04	1424.94	uS/cm
MR-AP-MW-33H	DO	DO	9/20/2022 8:04	0.59	mg/L
MR-AP-MW-33H	DTW	Depth to Water Detail	9/20/2022 8:04	23.14	ft
MR-AP-MW-33H	ORP	Oxidation Reduction Potention	9/20/2022 8:04	-18.14	mv
MR-AP-MW-33H	PH	pH	9/20/2022 8:04	6.35	SU
MR-AP-MW-33H	TEMP	Temperature	9/20/2022 8:04	18.85	C
MR-AP-MW-33H	TURB	Turbidity	9/20/2022 8:04	13.6	NTU
MR-AP-MW-33H	COND	Conductivity	9/20/2022 8:09	1421.39	uS/cm
MR-AP-MW-33H	DO	DO	9/20/2022 8:09	0.55	mg/L
MR-AP-MW-33H	DTW	Depth to Water Detail	9/20/2022 8:09	23.2	ft
MR-AP-MW-33H	ORP	Oxidation Reduction Potention	9/20/2022 8:09	-12.79	mv
MR-AP-MW-33H	PH	pH	9/20/2022 8:09	6.33	SU
MR-AP-MW-33H	TEMP	Temperature	9/20/2022 8:09	18.86	C
MR-AP-MW-33H	TURB	Turbidity	9/20/2022 8:09	19	NTU
MR-AP-MW-33H	COND	Conductivity	9/20/2022 8:14	1421.92	uS/cm
MR-AP-MW-33H	DO	DO	9/20/2022 8:14	0.52	mg/L
MR-AP-MW-33H	DTW	Depth to Water Detail	9/20/2022 8:14	23.25	ft
MR-AP-MW-33H	ORP	Oxidation Reduction Potention	9/20/2022 8:14	-11.05	mv
MR-AP-MW-33H	PH	pH	9/20/2022 8:14	6.31	SU
MR-AP-MW-33H	TEMP	Temperature	9/20/2022 8:14	18.97	C
MR-AP-MW-33H	TURB	Turbidity	9/20/2022 8:14	5.22	NTU
MR-AP-MW-33H	COND	Conductivity	9/20/2022 8:19	1407.58	uS/cm
MR-AP-MW-33H	DO	DO	9/20/2022 8:19	0.52	mg/L
MR-AP-MW-33H	DTW	Depth to Water Detail	9/20/2022 8:19	23.28	ft
MR-AP-MW-33H	ORP	Oxidation Reduction Potention	9/20/2022 8:19	-5.97	mv
MR-AP-MW-33H	PH	pH	9/20/2022 8:19	6.29	SU
MR-AP-MW-33H	SULFIDE	Sulfide	9/20/2022 8:19	0	mg/L
MR-AP-MW-33H	TEMP	Temperature	9/20/2022 8:19	18.94	C
MR-AP-MW-33H	TURB	Turbidity	9/20/2022 8:19	3.39	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-PZ-5	COND	Conductivity	9/20/2022 9:38	1196.93	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 9:38	0.11	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 9:38	4.52	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 9:38	-314.82	mv
MR-AP-PZ-5	PH	pH	9/20/2022 9:38	8.07	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 9:38	19.86	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 9:38	2.25	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 9:43	1190.06	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 9:43	0.07	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 9:43	7.08	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 9:43	-321.77	mv
MR-AP-PZ-5	PH	pH	9/20/2022 9:43	8.06	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 9:43	19.77	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 9:43	2.12	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 9:48	1177.96	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 9:48	0.07	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 9:48	9.11	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 9:48	-325.19	mv
MR-AP-PZ-5	PH	pH	9/20/2022 9:48	8.05	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 9:48	19.72	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 9:48	2.36	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 9:53	1186.24	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 9:53	0.07	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 9:53	11.2	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 9:53	-326.55	mv
MR-AP-PZ-5	PH	pH	9/20/2022 9:53	8.05	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 9:53	19.64	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 9:53	1.98	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 9:58	1174.63	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 9:58	0.07	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 9:58	12.42	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 9:58	-326.32	mv
MR-AP-PZ-5	PH	pH	9/20/2022 9:58	8.05	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 9:58	19.62	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 9:58	1.27	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 10:03	1172.84	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 10:03	0.09	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 10:03	13.74	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 10:03	-326.68	mv
MR-AP-PZ-5	PH	pH	9/20/2022 10:03	8.06	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 10:03	19.59	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 10:03	1.18	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 10:08	1199.82	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 10:08	0.24	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 10:08	13.66	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 10:08	-319.94	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-PZ-5	PH	pH	9/20/2022 10:08	8.05	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 10:08	20.98	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 10:08	1.3	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 10:13	1207.51	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 10:13	0.25	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 10:13	13.52	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 10:13	-319.82	mv
MR-AP-PZ-5	PH	pH	9/20/2022 10:13	8.06	SU
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 10:13	20.85	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 10:13	1.27	NTU
MR-AP-PZ-5	COND	Conductivity	9/20/2022 10:18	1181.38	uS/cm
MR-AP-PZ-5	DO	DO	9/20/2022 10:18	0.26	mg/L
MR-AP-PZ-5	DTW	Depth to Water Detail	9/20/2022 10:18	13.4	ft
MR-AP-PZ-5	ORP	Oxidation Reduction Potention	9/20/2022 10:18	-320.33	mv
MR-AP-PZ-5	PH	pH	9/20/2022 10:18	8.07	SU
MR-AP-PZ-5	SULFIDE	Sulfide	9/20/2022 10:18	9	mg/L
MR-AP-PZ-5	TEMP	Temperature	9/20/2022 10:18	20.79	C
MR-AP-PZ-5	TURB	Turbidity	9/20/2022 10:18	1.2	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:12	1221.9	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:12	0.44	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:12	10.48	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:12	-75.34	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:12	6.03	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:12	21.05	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:12	24.4	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:17	1204.81	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:17	0.33	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:17	10.59	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:17	-74.83	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:17	6.06	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:17	21.01	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:17	16.1	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:22	1196.24	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:22	0.31	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:22	10.63	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:22	-64.61	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:22	6.07	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:22	21.02	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:22	22	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:27	1190.51	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:27	0.29	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:27	10.68	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:27	-61.24	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:27	6.06	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:27	21.12	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:27	20	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:32	1192.48	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:32	0.3	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:32	10.71	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:32	-58.67	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:32	6.07	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:32	21.05	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:32	17.9	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:37	1191.11	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:37	0.3	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:37	10.73	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:37	-57.53	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:37	6.07	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:37	21.12	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:37	12.6	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:42	1191.41	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:42	0.31	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:42	10.75	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:42	-56.21	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6	PH	pH	9/21/2022 8:42	6.08	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:42	21.12	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:42	12.97	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:47	1183.31	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:47	0.31	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:47	10.77	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:47	-55.8	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:47	6.08	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:47	21.1	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:47	9.87	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:52	1183.96	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:52	0.32	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:52	10.8	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:52	-54.75	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:52	6.08	SU
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:52	21.18	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:52	7.42	NTU
MR-AP-MW-6	COND	Conductivity	9/21/2022 8:57	1186.03	uS/cm
MR-AP-MW-6	DO	DO	9/21/2022 8:57	0.31	mg/L
MR-AP-MW-6	DTW	Depth to Water Detail	9/21/2022 8:57	10.81	ft
MR-AP-MW-6	ORP	Oxidation Reduction Potention	9/21/2022 8:57	-54.09	mv
MR-AP-MW-6	PH	pH	9/21/2022 8:57	6.08	SU
MR-AP-MW-6	SULFIDE	Sulfide	9/21/2022 8:57	0	mg/L
MR-AP-MW-6	TEMP	Temperature	9/21/2022 8:57	21.08	C
MR-AP-MW-6	TURB	Turbidity	9/21/2022 8:57	7.46	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-18H	COND	Conductivity	9/21/2022 14:35	922.5	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 14:35	3.67	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 14:35	169.09	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 14:35	-86.06	mv
MR-AP-MW-18H	PH	pH	9/21/2022 14:35	7.15	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 14:35	23.23	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 14:35	2.33	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 14:40	1170.1	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 14:40	1.42	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 14:40	169.6	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 14:40	-89.09	mv
MR-AP-MW-18H	PH	pH	9/21/2022 14:40	7.22	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 14:40	22.96	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 14:40	1.86	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 14:45	1214.3	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 14:45	0.94	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 14:45	170.1	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 14:45	-90.67	mv
MR-AP-MW-18H	PH	pH	9/21/2022 14:45	7.23	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 14:45	22.37	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 14:45	1.95	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 14:50	1220.26	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 14:50	0.85	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 14:50	170.44	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 14:50	-91.72	mv
MR-AP-MW-18H	PH	pH	9/21/2022 14:50	7.23	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 14:50	22.93	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 14:50	1.89	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 14:55	1228.1	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 14:55	0.8	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 14:55	170.72	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 14:55	-90.79	mv
MR-AP-MW-18H	PH	pH	9/21/2022 14:55	7.21	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 14:55	22.77	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 14:55	1.8	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 15:00	1235.36	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 15:00	0.8	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 15:00	170.96	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 15:00	-91.07	mv
MR-AP-MW-18H	PH	pH	9/21/2022 15:00	7.21	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 15:00	23.19	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 15:00	1.62	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 15:05	1229.28	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 15:05	0.79	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 15:05	171.16	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 15:05	-90.67	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-18H	PH	pH	9/21/2022 15:05	7.2	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 15:05	23.18	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 15:05	1.54	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 15:10	1232.24	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 15:10	0.84	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 15:10	171.28	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 15:10	-91.03	mv
MR-AP-MW-18H	PH	pH	9/21/2022 15:10	7.21	SU
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 15:10	23.35	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 15:10	1.28	NTU
MR-AP-MW-18H	COND	Conductivity	9/21/2022 15:15	1231.63	uS/cm
MR-AP-MW-18H	DO	DO	9/21/2022 15:15	0.87	mg/L
MR-AP-MW-18H	DTW	Depth to Water Detail	9/21/2022 15:15	171.34	ft
MR-AP-MW-18H	ORP	Oxidation Reduction Potention	9/21/2022 15:15	-90.06	mv
MR-AP-MW-18H	PH	pH	9/21/2022 15:15	7.21	SU
MR-AP-MW-18H	SULFIDE	Sulfide	9/21/2022 15:15	0	mg/L
MR-AP-MW-18H	TEMP	Temperature	9/21/2022 15:15	23.23	C
MR-AP-MW-18H	TURB	Turbidity	9/21/2022 15:15	1.2	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-20H	COND	Conductivity	9/21/2022 11:49	1595.89	uS/cm
MR-AP-MW-20H	DO	DO	9/21/2022 11:49	1.03	mg/L
MR-AP-MW-20H	DTW	Depth to Water Detail	9/21/2022 11:49	123.74	ft
MR-AP-MW-20H	ORP	Oxidation Reduction Potention	9/21/2022 11:49	-165.13	mv
MR-AP-MW-20H	PH	pH	9/21/2022 11:49	7.09	SU
MR-AP-MW-20H	TEMP	Temperature	9/21/2022 11:49	21.12	C
MR-AP-MW-20H	TURB	Turbidity	9/21/2022 11:49	3.48	NTU
MR-AP-MW-20H	COND	Conductivity	9/21/2022 11:54	1561.48	uS/cm
MR-AP-MW-20H	DO	DO	9/21/2022 11:54	0.54	mg/L
MR-AP-MW-20H	DTW	Depth to Water Detail	9/21/2022 11:54	123.74	ft
MR-AP-MW-20H	ORP	Oxidation Reduction Potention	9/21/2022 11:54	-146.08	mv
MR-AP-MW-20H	PH	pH	9/21/2022 11:54	7.24	SU
MR-AP-MW-20H	TEMP	Temperature	9/21/2022 11:54	20.6	C
MR-AP-MW-20H	TURB	Turbidity	9/21/2022 11:54	4.54	NTU
MR-AP-MW-20H	COND	Conductivity	9/21/2022 11:59	1529.97	uS/cm
MR-AP-MW-20H	DO	DO	9/21/2022 11:59	0.49	mg/L
MR-AP-MW-20H	DTW	Depth to Water Detail	9/21/2022 11:59	123.74	ft
MR-AP-MW-20H	ORP	Oxidation Reduction Potention	9/21/2022 11:59	-138.84	mv
MR-AP-MW-20H	PH	pH	9/21/2022 11:59	7.26	SU
MR-AP-MW-20H	TEMP	Temperature	9/21/2022 11:59	20.67	C
MR-AP-MW-20H	TURB	Turbidity	9/21/2022 11:59	3.64	NTU
MR-AP-MW-20H	COND	Conductivity	9/21/2022 12:04	1514.04	uS/cm
MR-AP-MW-20H	DO	DO	9/21/2022 12:04	0.5	mg/L
MR-AP-MW-20H	DTW	Depth to Water Detail	9/21/2022 12:04	123.74	ft
MR-AP-MW-20H	ORP	Oxidation Reduction Potention	9/21/2022 12:04	-133.99	mv
MR-AP-MW-20H	PH	pH	9/21/2022 12:04	7.26	SU
MR-AP-MW-20H	SULFIDE	Sulfide	9/21/2022 12:04	0	mg/L
MR-AP-MW-20H	TEMP	Temperature	9/21/2022 12:04	20.72	C
MR-AP-MW-20H	TURB	Turbidity	9/21/2022 12:04	2.49	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 12:55	642.96	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 12:55	0.19	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 12:55	52.4	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 12:55	-63.82	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 12:55	6.43	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 12:55	18.77	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 12:55	1.36	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:00	644.81	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:00	0.18	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:00	53.46	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:00	-59.77	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 13:00	6.43	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:00	18.82	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:00	1.19	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:05	654.41	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:05	0.18	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:05	54.16	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:05	-63.8	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 13:05	6.42	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:05	18.77	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:05	1.2	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:10	693.76	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:10	0.19	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:10	54.55	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:10	-65.32	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 13:10	6.4	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:10	18.63	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:10	1.65	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:15	769.7	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:15	0.18	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:15	54.72	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:15	-64.65	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 13:15	6.4	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:15	18.66	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:15	0.97	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:20	812.79	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:20	0.19	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:20	54.76	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:20	-62.16	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 13:20	6.38	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:20	18.75	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:20	1.19	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:25	815.42	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:25	0.19	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:25	54.76	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:25	-60.3	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-20HS	PH	pH	9/21/2022 13:25	6.35	SU
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:25	18.68	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:25	1.44	NTU
MR-AP-MW-20HS	COND	Conductivity	9/21/2022 13:30	813.4	uS/cm
MR-AP-MW-20HS	DO	DO	9/21/2022 13:30	0.19	mg/L
MR-AP-MW-20HS	DTW	Depth to Water Detail	9/21/2022 13:30	54.76	ft
MR-AP-MW-20HS	ORP	Oxidation Reduction Potention	9/21/2022 13:30	-59.21	mv
MR-AP-MW-20HS	PH	pH	9/21/2022 13:30	6.33	SU
MR-AP-MW-20HS	SULFIDE	Sulfide	9/21/2022 13:30	0	mg/L
MR-AP-MW-20HS	TEMP	Temperature	9/21/2022 13:30	18.7	C
MR-AP-MW-20HS	TURB	Turbidity	9/21/2022 13:30	1.38	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-32H	COND	Conductivity	9/21/2022 9:55	480	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 9:55	2.32	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 9:55	62.64	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 9:55	-101.96	mv
MR-AP-MW-32H	PH	pH	9/21/2022 9:55	7.29	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 9:55	22.77	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 9:55	4.71	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:00	470.87	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:00	1.29	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:00	62.8	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:00	-105.41	mv
MR-AP-MW-32H	PH	pH	9/21/2022 10:00	7.28	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:00	22.61	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:00	3.97	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:05	465.14	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:05	1.1	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:05	62.96	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:05	-92.05	mv
MR-AP-MW-32H	PH	pH	9/21/2022 10:05	7.25	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:05	22.53	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:05	4.01	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:10	462.98	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:10	1.25	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:10	63.11	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:10	-77.89	mv
MR-AP-MW-32H	PH	pH	9/21/2022 10:10	7.23	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:10	22.83	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:10	3.92	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:15	463.52	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:15	1.6	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:15	63.26	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:15	-64.99	mv
MR-AP-MW-32H	PH	pH	9/21/2022 10:15	7.22	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:15	22.92	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:15	3.95	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:20	467.11	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:20	2.22	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:20	63.41	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:20	-56.03	mv
MR-AP-MW-32H	PH	pH	9/21/2022 10:20	7.21	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:20	23.11	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:20	3.31	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:25	470.01	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:25	2.39	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:25	63.57	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:25	-57.42	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-32H	PH	pH	9/21/2022 10:25	7.2	SU
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:25	23.1	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:25	3.14	NTU
MR-AP-MW-32H	COND	Conductivity	9/21/2022 10:30	469.78	uS/cm
MR-AP-MW-32H	DO	DO	9/21/2022 10:30	2.4	mg/L
MR-AP-MW-32H	DTW	Depth to Water Detail	9/21/2022 10:30	63.69	ft
MR-AP-MW-32H	ORP	Oxidation Reduction Potention	9/21/2022 10:30	-59.12	mv
MR-AP-MW-32H	PH	pH	9/21/2022 10:30	7.2	SU
MR-AP-MW-32H	SULFIDE	Sulfide	9/21/2022 10:30	0	mg/L
MR-AP-MW-32H	TEMP	Temperature	9/21/2022 10:30	22.83	C
MR-AP-MW-32H	TURB	Turbidity	9/21/2022 10:30	3.06	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23	COND	Conductivity	9/14/2022 11:25	7808.35	uS/cm
MR-AP-MW-23	DO	DO	9/14/2022 11:25	0.57	mg/L
MR-AP-MW-23	DTW	Depth to Water Detail	9/14/2022 11:25	56.7	ft
MR-AP-MW-23	ORP	Oxidation Reduction Potention	9/14/2022 11:25	-137.12	mv
MR-AP-MW-23	PH	pH	9/14/2022 11:25	7.58	SU
MR-AP-MW-23	TEMP	Temperature	9/14/2022 11:25	21.26	C
MR-AP-MW-23	TURB	Turbidity	9/14/2022 11:25	0.85	NTU
MR-AP-MW-23	COND	Conductivity	9/14/2022 11:30	7685.4	uS/cm
MR-AP-MW-23	DO	DO	9/14/2022 11:30	0.5	mg/L
MR-AP-MW-23	DTW	Depth to Water Detail	9/14/2022 11:30	57.03	ft
MR-AP-MW-23	ORP	Oxidation Reduction Potention	9/14/2022 11:30	-138.97	mv
MR-AP-MW-23	PH	pH	9/14/2022 11:30	7.59	SU
MR-AP-MW-23	TEMP	Temperature	9/14/2022 11:30	21.46	C
MR-AP-MW-23	TURB	Turbidity	9/14/2022 11:30	0.79	NTU
MR-AP-MW-23	COND	Conductivity	9/14/2022 11:35	7641.94	uS/cm
MR-AP-MW-23	DO	DO	9/14/2022 11:35	0.46	mg/L
MR-AP-MW-23	DTW	Depth to Water Detail	9/14/2022 11:35	57.34	ft
MR-AP-MW-23	ORP	Oxidation Reduction Potention	9/14/2022 11:35	-136.85	mv
MR-AP-MW-23	PH	pH	9/14/2022 11:35	7.6	SU
MR-AP-MW-23	TEMP	Temperature	9/14/2022 11:35	21.36	C
MR-AP-MW-23	TURB	Turbidity	9/14/2022 11:35	0.74	NTU
MR-AP-MW-23	COND	Conductivity	9/14/2022 11:40	7519.23	uS/cm
MR-AP-MW-23	DO	DO	9/14/2022 11:40	0.49	mg/L
MR-AP-MW-23	DTW	Depth to Water Detail	9/14/2022 11:40	57.42	ft
MR-AP-MW-23	ORP	Oxidation Reduction Potention	9/14/2022 11:40	-139.76	mv
MR-AP-MW-23	PH	pH	9/14/2022 11:40	7.6	SU
MR-AP-MW-23	TEMP	Temperature	9/14/2022 11:40	22.33	C
MR-AP-MW-23	TURB	Turbidity	9/14/2022 11:40	0.83	NTU
MR-AP-MW-23	COND	Conductivity	9/14/2022 11:45	7441.37	uS/cm
MR-AP-MW-23	DO	DO	9/14/2022 11:45	0.52	mg/L
MR-AP-MW-23	DTW	Depth to Water Detail	9/14/2022 11:45	57.44	ft
MR-AP-MW-23	ORP	Oxidation Reduction Potention	9/14/2022 11:45	-138.83	mv
MR-AP-MW-23	PH	pH	9/14/2022 11:45	7.6	SU
MR-AP-MW-23	TEMP	Temperature	9/14/2022 11:45	22.77	C
MR-AP-MW-23	TURB	Turbidity	9/14/2022 11:45	0.81	NTU
MR-AP-MW-23	COND	Conductivity	9/14/2022 11:50	7280.21	uS/cm
MR-AP-MW-23	DO	DO	9/14/2022 11:50	0.52	mg/L
MR-AP-MW-23	DTW	Depth to Water Detail	9/14/2022 11:50	57.46	ft
MR-AP-MW-23	ORP	Oxidation Reduction Potention	9/14/2022 11:50	-136.37	mv
MR-AP-MW-23	PH	pH	9/14/2022 11:50	7.59	SU
MR-AP-MW-23	SULFIDE	Sulfide	9/14/2022 11:50	0	mg/L
MR-AP-MW-23	TEMP	Temperature	9/14/2022 11:50	22.93	C
MR-AP-MW-23	TURB	Turbidity	9/14/2022 11:50	0.49	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-9SR	COND	Conductivity	9/21/2022 9:33	1074.6	uS/cm
MR-AP-MW-9SR	DO	DO	9/21/2022 9:33	0.63	mg/L
MR-AP-MW-9SR	DTW	Depth to Water Detail	9/21/2022 9:33	79.52	ft
MR-AP-MW-9SR	ORP	Oxidation Reduction Potention	9/21/2022 9:33	13.58	mv
MR-AP-MW-9SR	PH	pH	9/21/2022 9:33	6.52	SU
MR-AP-MW-9SR	TEMP	Temperature	9/21/2022 9:33	18.06	C
MR-AP-MW-9SR	TURB	Turbidity	9/21/2022 9:33	2.87	NTU
MR-AP-MW-9SR	COND	Conductivity	9/21/2022 9:38	1067.56	uS/cm
MR-AP-MW-9SR	DO	DO	9/21/2022 9:38	0.54	mg/L
MR-AP-MW-9SR	DTW	Depth to Water Detail	9/21/2022 9:38	79.76	ft
MR-AP-MW-9SR	ORP	Oxidation Reduction Potention	9/21/2022 9:38	8.49	mv
MR-AP-MW-9SR	PH	pH	9/21/2022 9:38	6.52	SU
MR-AP-MW-9SR	TEMP	Temperature	9/21/2022 9:38	18.01	C
MR-AP-MW-9SR	TURB	Turbidity	9/21/2022 9:38	3.41	NTU
MR-AP-MW-9SR	COND	Conductivity	9/21/2022 9:43	1061.06	uS/cm
MR-AP-MW-9SR	DO	DO	9/21/2022 9:43	0.5	mg/L
MR-AP-MW-9SR	DTW	Depth to Water Detail	9/21/2022 9:43	80.02	ft
MR-AP-MW-9SR	ORP	Oxidation Reduction Potention	9/21/2022 9:43	6.84	mv
MR-AP-MW-9SR	PH	pH	9/21/2022 9:43	6.51	SU
MR-AP-MW-9SR	TEMP	Temperature	9/21/2022 9:43	18.06	C
MR-AP-MW-9SR	TURB	Turbidity	9/21/2022 9:43	2.01	NTU
MR-AP-MW-9SR	COND	Conductivity	9/21/2022 9:48	1054.7	uS/cm
MR-AP-MW-9SR	DO	DO	9/21/2022 9:48	0.48	mg/L
MR-AP-MW-9SR	DTW	Depth to Water Detail	9/21/2022 9:48	80.19	ft
MR-AP-MW-9SR	ORP	Oxidation Reduction Potention	9/21/2022 9:48	4.19	mv
MR-AP-MW-9SR	PH	pH	9/21/2022 9:48	6.5	SU
MR-AP-MW-9SR	TEMP	Temperature	9/21/2022 9:48	18.11	C
MR-AP-MW-9SR	TURB	Turbidity	9/21/2022 9:48	1.41	NTU
MR-AP-MW-9SR	COND	Conductivity	9/21/2022 9:53	1048.1	uS/cm
MR-AP-MW-9SR	DO	DO	9/21/2022 9:53	0.49	mg/L
MR-AP-MW-9SR	DTW	Depth to Water Detail	9/21/2022 9:53	80.23	ft
MR-AP-MW-9SR	ORP	Oxidation Reduction Potention	9/21/2022 9:53	3.16	mv
MR-AP-MW-9SR	PH	pH	9/21/2022 9:53	6.49	SU
MR-AP-MW-9SR	SULFIDE	Sulfide	9/21/2022 9:53	0	mg/L
MR-AP-MW-9SR	TEMP	Temperature	9/21/2022 9:53	18.23	C
MR-AP-MW-9SR	TURB	Turbidity	9/21/2022 9:53	1.49	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 10:59	1517.94	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 10:59	0.6	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 10:59	81.75	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 10:59	-61.42	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 10:59	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 10:59	18.67	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 10:59	10.85	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:04	1534.88	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:04	0.5	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:04	82.09	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:04	-60.6	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:04	6.7	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:04	18.86	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:04	22.8	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:09	1551.29	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:09	0.46	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:09	82.4	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:09	-60.64	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:09	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:09	18.67	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:09	21.4	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:14	1563.72	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:14	0.43	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:14	82.88	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:14	-60.84	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:14	6.7	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:14	18.76	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:14	18.3	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:19	1574.74	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:19	0.42	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:19	82.59	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:19	-61.5	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:19	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:19	18.66	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:19	13.4	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:24	1583.08	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:24	0.41	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:24	83.06	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:24	-62.15	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:24	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:24	18.71	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:24	11.73	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:29	1598.49	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:29	0.45	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:29	83.19	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:29	-62.45	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-9DR	PH	pH	9/21/2022 11:29	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:29	19.01	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:29	8.04	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:34	1606.2	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:34	0.46	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:34	83.29	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:34	-62.45	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:34	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:34	19.4	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:34	7.45	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:39	1607.64	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:39	0.46	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:39	83.46	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:39	-62.86	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:39	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:39	19.48	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:39	6.36	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:44	1606.91	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:44	0.46	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:44	83.61	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:44	-62.78	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:44	6.71	SU
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:44	19.54	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:44	6.49	NTU
MR-AP-MW-9DR	COND	Conductivity	9/21/2022 11:49	1611.16	uS/cm
MR-AP-MW-9DR	DO	DO	9/21/2022 11:49	0.44	mg/L
MR-AP-MW-9DR	DTW	Depth to Water Detail	9/21/2022 11:49	83.66	ft
MR-AP-MW-9DR	ORP	Oxidation Reduction Potention	9/21/2022 11:49	-62.47	mv
MR-AP-MW-9DR	PH	pH	9/21/2022 11:49	6.71	SU
MR-AP-MW-9DR	SULFIDE	Sulfide	9/21/2022 11:49	0	mg/L
MR-AP-MW-9DR	TEMP	Temperature	9/21/2022 11:49	19.48	C
MR-AP-MW-9DR	TURB	Turbidity	9/21/2022 11:49	4.05	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13DR	COND	Conductivity	9/19/2022 14:31	880.35	uS/cm
MR-AP-MW-13DR	DO	DO	9/19/2022 14:31	3.57	mg/L
MR-AP-MW-13DR	DTW	Depth to Water Detail	9/19/2022 14:31	106.44	ft
MR-AP-MW-13DR	ORP	Oxidation Reduction Potention	9/19/2022 14:31	-19.29	mv
MR-AP-MW-13DR	PH	pH	9/19/2022 14:31	7.01	SU
MR-AP-MW-13DR	TEMP	Temperature	9/19/2022 14:31	26.51	C
MR-AP-MW-13DR	TURB	Turbidity	9/19/2022 14:31	0.49	NTU
MR-AP-MW-13DR	COND	Conductivity	9/19/2022 14:36	894.31	uS/cm
MR-AP-MW-13DR	DO	DO	9/19/2022 14:36	3.78	mg/L
MR-AP-MW-13DR	DTW	Depth to Water Detail	9/19/2022 14:36	106.56	ft
MR-AP-MW-13DR	ORP	Oxidation Reduction Potention	9/19/2022 14:36	-26.04	mv
MR-AP-MW-13DR	PH	pH	9/19/2022 14:36	7.03	SU
MR-AP-MW-13DR	TEMP	Temperature	9/19/2022 14:36	26.74	C
MR-AP-MW-13DR	TURB	Turbidity	9/19/2022 14:36	1.23	NTU
MR-AP-MW-13DR	COND	Conductivity	9/19/2022 14:41	919.9	uS/cm
MR-AP-MW-13DR	DO	DO	9/19/2022 14:41	3.71	mg/L
MR-AP-MW-13DR	DTW	Depth to Water Detail	9/19/2022 14:41	106.76	ft
MR-AP-MW-13DR	ORP	Oxidation Reduction Potention	9/19/2022 14:41	-38.61	mv
MR-AP-MW-13DR	PH	pH	9/19/2022 14:41	7.04	SU
MR-AP-MW-13DR	TEMP	Temperature	9/19/2022 14:41	25.81	C
MR-AP-MW-13DR	TURB	Turbidity	9/19/2022 14:41	0.48	NTU
MR-AP-MW-13DR	COND	Conductivity	9/19/2022 14:46	948.26	uS/cm
MR-AP-MW-13DR	DO	DO	9/19/2022 14:46	3.61	mg/L
MR-AP-MW-13DR	DTW	Depth to Water Detail	9/19/2022 14:46	106.88	ft
MR-AP-MW-13DR	ORP	Oxidation Reduction Potention	9/19/2022 14:46	-47.76	mv
MR-AP-MW-13DR	PH	pH	9/19/2022 14:46	7.04	SU
MR-AP-MW-13DR	TEMP	Temperature	9/19/2022 14:46	26.27	C
MR-AP-MW-13DR	TURB	Turbidity	9/19/2022 14:46	0.57	NTU
MR-AP-MW-13DR	COND	Conductivity	9/19/2022 14:51	956.36	uS/cm
MR-AP-MW-13DR	DO	DO	9/19/2022 14:51	3.58	mg/L
MR-AP-MW-13DR	DTW	Depth to Water Detail	9/19/2022 14:51	106.95	ft
MR-AP-MW-13DR	ORP	Oxidation Reduction Potention	9/19/2022 14:51	-55.26	mv
MR-AP-MW-13DR	PH	pH	9/19/2022 14:51	7.05	SU
MR-AP-MW-13DR	TEMP	Temperature	9/19/2022 14:51	26.68	C
MR-AP-MW-13DR	TURB	Turbidity	9/19/2022 14:51	1.13	NTU
MR-AP-MW-13DR	COND	Conductivity	9/19/2022 14:56	964.39	uS/cm
MR-AP-MW-13DR	DO	DO	9/19/2022 14:56	3.51	mg/L
MR-AP-MW-13DR	DTW	Depth to Water Detail	9/19/2022 14:56	107.11	ft
MR-AP-MW-13DR	ORP	Oxidation Reduction Potention	9/19/2022 14:56	-60.72	mv
MR-AP-MW-13DR	PH	pH	9/19/2022 14:56	7.07	SU
MR-AP-MW-13DR	SULFIDE	Sulfide	9/19/2022 14:56	0	mg/L
MR-AP-MW-13DR	TEMP	Temperature	9/19/2022 14:56	26.58	C
MR-AP-MW-13DR	TURB	Turbidity	9/19/2022 14:56	0.84	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 11:30	1340.25	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 11:30	2.14	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 11:30	43.89	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 11:30	72.35	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 11:30	5.94	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 11:30	19.4	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 11:30	5.02	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 11:35	1341.13	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 11:35	2.57	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 11:35	44.22	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 11:35	70.17	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 11:35	5.95	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 11:35	19.34	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 11:35	4.84	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 11:40	1369.72	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 11:40	2.52	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 11:40	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 11:40	71.08	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 11:40	5.91	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 11:40	19.92	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 11:40	5.8	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 11:45	1416.98	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 11:45	1.78	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 11:45	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 11:45	76.01	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 11:45	5.8	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 11:45	19.88	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 11:45	4.63	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 11:50	1430.6	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 11:50	1.48	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 11:50	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 11:50	78.15	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 11:50	5.76	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 11:50	20.16	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 11:50	2.21	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 11:55	1430.38	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 11:55	1.53	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 11:55	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 11:55	80.57	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 11:55	5.73	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 11:55	20.19	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 11:55	1.44	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:00	1429.18	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:00	1.79	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:00	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:00	84.12	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13SR	PH	pH	9/19/2022 12:00	5.71	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:00	20.4	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:00	0.66	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:05	1426.95	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:05	2.06	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:05	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:05	85.71	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:05	5.69	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:05	20.24	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:05	0.99	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:10	1424.83	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:10	2.89	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:10	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:10	91.37	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:10	5.67	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:10	20.36	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:10	2.85	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:15	1421.5	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:15	4.06	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:15	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:15	92.78	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:15	5.65	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:15	20.67	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:15	1.11	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:20	1421.65	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:20	5.06	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:20	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:20	89.02	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:20	5.67	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:20	20.36	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:20	0.81	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:25	1411.25	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:25	5.6	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:25	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:25	87.21	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:25	5.68	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:25	20.03	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:25	1.63	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:30	1420.89	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:30	5.67	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:30	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:30	93.38	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:30	5.68	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:30	19.82	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:30	1.11	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:35	1421.09	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-13SR	DO	DO	9/19/2022 12:35	5.26	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:35	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:35	96.72	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:35	5.68	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:35	19.98	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:35	1.89	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:40	1418.02	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:40	5.23	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:40	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:40	100.43	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:40	5.66	SU
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:40	20.04	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:40	1.8	NTU
MR-AP-MW-13SR	COND	Conductivity	9/19/2022 12:45	1408.2	uS/cm
MR-AP-MW-13SR	DO	DO	9/19/2022 12:45	5.25	mg/L
MR-AP-MW-13SR	DTW	Depth to Water Detail	9/19/2022 12:45	44.24	ft
MR-AP-MW-13SR	ORP	Oxidation Reduction Potention	9/19/2022 12:45	103.84	mv
MR-AP-MW-13SR	PH	pH	9/19/2022 12:45	5.65	SU
MR-AP-MW-13SR	SULFIDE	Sulfide	9/19/2022 12:45	0	mg/L
MR-AP-MW-13SR	TEMP	Temperature	9/19/2022 12:45	20.11	C
MR-AP-MW-13SR	TURB	Turbidity	9/19/2022 12:45	1.17	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-15	COND	Conductivity	9/20/2022 10:45	979.85	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 10:45	0.16	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 10:45	18.04	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 10:45	-11.51	mv
MR-AP-MW-15	PH	pH	9/20/2022 10:45	6.33	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 10:45	20.61	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 10:45	132	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 10:50	942.38	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 10:50	0.13	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 10:50	18.09	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 10:50	-15.6	mv
MR-AP-MW-15	PH	pH	9/20/2022 10:50	6.34	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 10:50	20.39	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 10:50	106.7	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 10:55	914.72	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 10:55	0.12	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 10:55	18.29	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 10:55	-17.57	mv
MR-AP-MW-15	PH	pH	9/20/2022 10:55	6.34	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 10:55	20.49	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 10:55	81.8	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:00	892.28	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:00	0.11	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:00	18.32	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:00	-18.16	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:00	6.33	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:00	20.63	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:00	54.5	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:05	894.05	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:05	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:05	18.39	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:05	-15.86	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:05	6.3	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:05	20.6	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:05	36.2	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:10	892.17	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:10	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:10	18.46	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:10	-17.11	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:10	6.3	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:10	20.59	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:10	37.1	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:15	897.84	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:15	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:15	18.51	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:15	-18.52	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-15	PH	pH	9/20/2022 11:15	6.32	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:15	20.45	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:15	22.2	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:20	900.08	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:20	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:20	18.58	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:20	-19.6	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:20	6.33	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:20	20.58	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:20	19.7	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:25	909.23	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:25	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:25	18.5	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:25	-20.15	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:25	6.33	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:25	20.65	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:25	17.2	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:30	912.1	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:30	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:30	18.6	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:30	-19.5	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:30	6.31	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:30	20.62	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:30	14.4	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:35	912.53	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:35	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:35	18.62	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:35	-21.03	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:35	6.32	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:35	20.43	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:35	11.86	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:40	920.18	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:40	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:40	18.63	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:40	-21.77	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:40	6.33	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:40	20.54	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:40	11.21	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:45	914.63	uS/cm
MR-AP-MW-15	DO	DO	9/20/2022 11:45	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:45	18.63	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:45	-22.58	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:45	6.33	SU
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:45	20.7	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:45	11.41	NTU
MR-AP-MW-15	COND	Conductivity	9/20/2022 11:50	901.96	uS/cm

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-15	DO	DO	9/20/2022 11:50	0.1	mg/L
MR-AP-MW-15	DTW	Depth to Water Detail	9/20/2022 11:50	18.63	ft
MR-AP-MW-15	ORP	Oxidation Reduction Potention	9/20/2022 11:50	-22.42	mv
MR-AP-MW-15	PH	pH	9/20/2022 11:50	6.32	SU
MR-AP-MW-15	SULFIDE	Sulfide	9/20/2022 11:50	0	mg/L
MR-AP-MW-15	TEMP	Temperature	9/20/2022 11:50	20.62	C
MR-AP-MW-15	TURB	Turbidity	9/20/2022 11:50	9.71	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-16	COND	Conductivity	9/20/2022 9:33	1052.33	uS/cm
MR-AP-MW-16	DO	DO	9/20/2022 9:33	0.31	mg/L
MR-AP-MW-16	DTW	Depth to Water Detail	9/20/2022 9:33	33.86	ft
MR-AP-MW-16	ORP	Oxidation Reduction Potention	9/20/2022 9:33	83.67	mv
MR-AP-MW-16	PH	pH	9/20/2022 9:33	6.51	SU
MR-AP-MW-16	TEMP	Temperature	9/20/2022 9:33	19.5	C
MR-AP-MW-16	TURB	Turbidity	9/20/2022 9:33	2.48	NTU
MR-AP-MW-16	COND	Conductivity	9/20/2022 9:38	1054.28	uS/cm
MR-AP-MW-16	DO	DO	9/20/2022 9:38	0.21	mg/L
MR-AP-MW-16	DTW	Depth to Water Detail	9/20/2022 9:38	33.88	ft
MR-AP-MW-16	ORP	Oxidation Reduction Potention	9/20/2022 9:38	70.49	mv
MR-AP-MW-16	PH	pH	9/20/2022 9:38	6.59	SU
MR-AP-MW-16	TEMP	Temperature	9/20/2022 9:38	19.45	C
MR-AP-MW-16	TURB	Turbidity	9/20/2022 9:38	1.06	NTU
MR-AP-MW-16	COND	Conductivity	9/20/2022 9:43	1058.43	uS/cm
MR-AP-MW-16	DO	DO	9/20/2022 9:43	0.18	mg/L
MR-AP-MW-16	DTW	Depth to Water Detail	9/20/2022 9:43	33.88	ft
MR-AP-MW-16	ORP	Oxidation Reduction Potention	9/20/2022 9:43	64.58	mv
MR-AP-MW-16	PH	pH	9/20/2022 9:43	6.64	SU
MR-AP-MW-16	TEMP	Temperature	9/20/2022 9:43	19.45	C
MR-AP-MW-16	TURB	Turbidity	9/20/2022 9:43	0.8	NTU
MR-AP-MW-16	COND	Conductivity	9/20/2022 9:48	1069.02	uS/cm
MR-AP-MW-16	DO	DO	9/20/2022 9:48	0.17	mg/L
MR-AP-MW-16	DTW	Depth to Water Detail	9/20/2022 9:48	33.88	ft
MR-AP-MW-16	ORP	Oxidation Reduction Potention	9/20/2022 9:48	56.38	mv
MR-AP-MW-16	PH	pH	9/20/2022 9:48	6.66	SU
MR-AP-MW-16	SULFIDE	Sulfide	9/20/2022 9:48	0	mg/L
MR-AP-MW-16	TEMP	Temperature	9/20/2022 9:48	19.51	C
MR-AP-MW-16	TURB	Turbidity	9/20/2022 9:48	0.75	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-23A	COND	Conductivity	9/14/2022 13:51	8212.82	uS/cm
MR-AP-MW-23A	DO	DO	9/14/2022 13:51	1.7	mg/L
MR-AP-MW-23A	DTW	Depth to Water Detail	9/14/2022 13:51	39.97	ft
MR-AP-MW-23A	ORP	Oxidation Reduction Potention	9/14/2022 13:51	-89.02	mv
MR-AP-MW-23A	PH	pH	9/14/2022 13:51	7.44	SU
MR-AP-MW-23A	TEMP	Temperature	9/14/2022 13:51	26.8	C
MR-AP-MW-23A	TURB	Turbidity	9/14/2022 13:51	0.74	NTU
MR-AP-MW-23A	COND	Conductivity	9/14/2022 13:56	8144.64	uS/cm
MR-AP-MW-23A	DO	DO	9/14/2022 13:56	1.71	mg/L
MR-AP-MW-23A	DTW	Depth to Water Detail	9/14/2022 13:56	40.19	ft
MR-AP-MW-23A	ORP	Oxidation Reduction Potention	9/14/2022 13:56	-93.03	mv
MR-AP-MW-23A	PH	pH	9/14/2022 13:56	7.43	SU
MR-AP-MW-23A	TEMP	Temperature	9/14/2022 13:56	27.13	C
MR-AP-MW-23A	TURB	Turbidity	9/14/2022 13:56	2.78	NTU
MR-AP-MW-23A	COND	Conductivity	9/14/2022 14:01	8109.8	uS/cm
MR-AP-MW-23A	DO	DO	9/14/2022 14:01	1.73	mg/L
MR-AP-MW-23A	DTW	Depth to Water Detail	9/14/2022 14:01	40.32	ft
MR-AP-MW-23A	ORP	Oxidation Reduction Potention	9/14/2022 14:01	-92.99	mv
MR-AP-MW-23A	PH	pH	9/14/2022 14:01	7.43	SU
MR-AP-MW-23A	TEMP	Temperature	9/14/2022 14:01	26.93	C
MR-AP-MW-23A	TURB	Turbidity	9/14/2022 14:01	0.49	NTU
MR-AP-MW-23A	COND	Conductivity	9/14/2022 14:06	7992.53	uS/cm
MR-AP-MW-23A	DO	DO	9/14/2022 14:06	1.75	mg/L
MR-AP-MW-23A	DTW	Depth to Water Detail	9/14/2022 14:06	40.44	ft
MR-AP-MW-23A	ORP	Oxidation Reduction Potention	9/14/2022 14:06	-92.84	mv
MR-AP-MW-23A	PH	pH	9/14/2022 14:06	7.43	SU
MR-AP-MW-23A	SULFIDE	Sulfide	9/14/2022 14:06	0	mg/L
MR-AP-MW-23A	TEMP	Temperature	9/14/2022 14:06	27.34	C
MR-AP-MW-23A	TURB	Turbidity	9/14/2022 14:06	0.35	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-27HR	COND	Conductivity	9/21/2022 13:06	538.51	uS/cm
MR-AP-MW-27HR	DO	DO	9/21/2022 13:06	1.26	mg/L
MR-AP-MW-27HR	DTW	Depth to Water Detail	9/21/2022 13:06	105.62	ft
MR-AP-MW-27HR	ORP	Oxidation Reduction Potention	9/21/2022 13:06	-28.68	mv
MR-AP-MW-27HR	PH	pH	9/21/2022 13:06	7.16	SU
MR-AP-MW-27HR	TEMP	Temperature	9/21/2022 13:06	21.08	C
MR-AP-MW-27HR	TURB	Turbidity	9/21/2022 13:06	8.18	NTU
MR-AP-MW-27HR	COND	Conductivity	9/21/2022 13:11	545.52	uS/cm
MR-AP-MW-27HR	DO	DO	9/21/2022 13:11	1.01	mg/L
MR-AP-MW-27HR	DTW	Depth to Water Detail	9/21/2022 13:11	105.95	ft
MR-AP-MW-27HR	ORP	Oxidation Reduction Potention	9/21/2022 13:11	-18.59	mv
MR-AP-MW-27HR	PH	pH	9/21/2022 13:11	7.14	SU
MR-AP-MW-27HR	TEMP	Temperature	9/21/2022 13:11	20.81	C
MR-AP-MW-27HR	TURB	Turbidity	9/21/2022 13:11	4.82	NTU
MR-AP-MW-27HR	COND	Conductivity	9/21/2022 13:16	538.34	uS/cm
MR-AP-MW-27HR	DO	DO	9/21/2022 13:16	1.04	mg/L
MR-AP-MW-27HR	DTW	Depth to Water Detail	9/21/2022 13:16	106.16	ft
MR-AP-MW-27HR	ORP	Oxidation Reduction Potention	9/21/2022 13:16	-20.88	mv
MR-AP-MW-27HR	PH	pH	9/21/2022 13:16	7.13	SU
MR-AP-MW-27HR	TEMP	Temperature	9/21/2022 13:16	21.21	C
MR-AP-MW-27HR	TURB	Turbidity	9/21/2022 13:16	3.07	NTU
MR-AP-MW-27HR	COND	Conductivity	9/21/2022 13:21	535.87	uS/cm
MR-AP-MW-27HR	DO	DO	9/21/2022 13:21	1.22	mg/L
MR-AP-MW-27HR	DTW	Depth to Water Detail	9/21/2022 13:21	106.26	ft
MR-AP-MW-27HR	ORP	Oxidation Reduction Potention	9/21/2022 13:21	-23.95	mv
MR-AP-MW-27HR	PH	pH	9/21/2022 13:21	7.13	SU
MR-AP-MW-27HR	TEMP	Temperature	9/21/2022 13:21	21.97	C
MR-AP-MW-27HR	TURB	Turbidity	9/21/2022 13:21	2.69	NTU
MR-AP-MW-27HR	COND	Conductivity	9/21/2022 13:26	531.85	uS/cm
MR-AP-MW-27HR	DO	DO	9/21/2022 13:26	1.25	mg/L
MR-AP-MW-27HR	DTW	Depth to Water Detail	9/21/2022 13:26	106.32	ft
MR-AP-MW-27HR	ORP	Oxidation Reduction Potention	9/21/2022 13:26	-27.16	mv
MR-AP-MW-27HR	PH	pH	9/21/2022 13:26	7.14	SU
MR-AP-MW-27HR	TEMP	Temperature	9/21/2022 13:26	21.96	C
MR-AP-MW-27HR	TURB	Turbidity	9/21/2022 13:26	2.38	NTU
MR-AP-MW-27HR	COND	Conductivity	9/21/2022 13:31	531.7	uS/cm
MR-AP-MW-27HR	DO	DO	9/21/2022 13:31	1.27	mg/L
MR-AP-MW-27HR	DTW	Depth to Water Detail	9/21/2022 13:31	106.44	ft
MR-AP-MW-27HR	ORP	Oxidation Reduction Potention	9/21/2022 13:31	-29.46	mv
MR-AP-MW-27HR	PH	pH	9/21/2022 13:31	7.15	SU
MR-AP-MW-27HR	SULFIDE	Sulfide	9/21/2022 13:31	0	mg/L
MR-AP-MW-27HR	TEMP	Temperature	9/21/2022 13:31	22.3	C
MR-AP-MW-27HR	TURB	Turbidity	9/21/2022 13:31	2.44	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-28H	COND	Conductivity	9/20/2022 12:46	552.29	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 12:46	1.28	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 12:46	90.19	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 12:46	-12.73	mv
MR-AP-MW-28H	PH	pH	9/20/2022 12:46	6.74	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 12:46	23.92	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 12:46	21.3	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 12:51	549.87	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 12:51	0.96	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 12:51	91.02	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 12:51	-11.99	mv
MR-AP-MW-28H	PH	pH	9/20/2022 12:51	6.7	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 12:51	23.81	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 12:51	23.2	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 12:56	546.13	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 12:56	0.8	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 12:56	91.71	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 12:56	-11.97	mv
MR-AP-MW-28H	PH	pH	9/20/2022 12:56	6.67	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 12:56	23.36	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 12:56	18	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 13:01	546.87	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 13:01	0.72	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 13:01	92.41	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 13:01	-11.9	mv
MR-AP-MW-28H	PH	pH	9/20/2022 13:01	6.65	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 13:01	23.35	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 13:01	8.3	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 13:06	546.74	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 13:06	0.67	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 13:06	93.02	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 13:06	-12.48	mv
MR-AP-MW-28H	PH	pH	9/20/2022 13:06	6.65	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 13:06	23.52	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 13:06	5.82	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 13:11	548.25	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 13:11	0.8	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 13:11	93.22	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 13:11	-14.7	mv
MR-AP-MW-28H	PH	pH	9/20/2022 13:11	6.66	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 13:11	24.74	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 13:11	6.26	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 13:16	546.52	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 13:16	0.84	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 13:16	93.3	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 13:16	-16.87	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-28H	PH	pH	9/20/2022 13:16	6.69	SU
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 13:16	25.12	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 13:16	4.72	NTU
MR-AP-MW-28H	COND	Conductivity	9/20/2022 13:21	548.46	uS/cm
MR-AP-MW-28H	DO	DO	9/20/2022 13:21	0.86	mg/L
MR-AP-MW-28H	DTW	Depth to Water Detail	9/20/2022 13:21	93.41	ft
MR-AP-MW-28H	ORP	Oxidation Reduction Potention	9/20/2022 13:21	-19.27	mv
MR-AP-MW-28H	PH	pH	9/20/2022 13:21	6.72	SU
MR-AP-MW-28H	SULFIDE	Sulfide	9/20/2022 13:21	0	mg/L
MR-AP-MW-28H	TEMP	Temperature	9/20/2022 13:21	24.81	C
MR-AP-MW-28H	TURB	Turbidity	9/20/2022 13:21	4.14	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-14R	COND	Conductivity	9/26/2022 9:04	350.03	uS/cm
MR-AP-MW-14R	DO	DO	9/26/2022 9:04	0.09	mg/L
MR-AP-MW-14R	DTW	Depth to Water Detail	9/26/2022 9:04	18.54	ft
MR-AP-MW-14R	ORP	Oxidation Reduction Potention	9/26/2022 9:04	-29.25	mv
MR-AP-MW-14R	PH	pH	9/26/2022 9:04	6.42	SU
MR-AP-MW-14R	TEMP	Temperature	9/26/2022 9:04	18.02	C
MR-AP-MW-14R	TURB	Turbidity	9/26/2022 9:04	33.3	NTU
MR-AP-MW-14R	COND	Conductivity	9/26/2022 9:09	347.96	uS/cm
MR-AP-MW-14R	DO	DO	9/26/2022 9:09	0.06	mg/L
MR-AP-MW-14R	DTW	Depth to Water Detail	9/26/2022 9:09	19.35	ft
MR-AP-MW-14R	ORP	Oxidation Reduction Potention	9/26/2022 9:09	-35.55	mv
MR-AP-MW-14R	PH	pH	9/26/2022 9:09	6.45	SU
MR-AP-MW-14R	TEMP	Temperature	9/26/2022 9:09	18.03	C
MR-AP-MW-14R	TURB	Turbidity	9/26/2022 9:09	16.1	NTU
MR-AP-MW-14R	COND	Conductivity	9/26/2022 9:14	345.7	uS/cm
MR-AP-MW-14R	DO	DO	9/26/2022 9:14	0.06	mg/L
MR-AP-MW-14R	DTW	Depth to Water Detail	9/26/2022 9:14	19.35	ft
MR-AP-MW-14R	ORP	Oxidation Reduction Potention	9/26/2022 9:14	-38.84	mv
MR-AP-MW-14R	PH	pH	9/26/2022 9:14	6.47	SU
MR-AP-MW-14R	TEMP	Temperature	9/26/2022 9:14	18.07	C
MR-AP-MW-14R	TURB	Turbidity	9/26/2022 9:14	11.57	NTU
MR-AP-MW-14R	COND	Conductivity	9/26/2022 9:19	342.59	uS/cm
MR-AP-MW-14R	DO	DO	9/26/2022 9:19	0.05	mg/L
MR-AP-MW-14R	DTW	Depth to Water Detail	9/26/2022 9:19	19.5	ft
MR-AP-MW-14R	ORP	Oxidation Reduction Potention	9/26/2022 9:19	-40.96	mv
MR-AP-MW-14R	PH	pH	9/26/2022 9:19	6.48	SU
MR-AP-MW-14R	TEMP	Temperature	9/26/2022 9:19	18.07	C
MR-AP-MW-14R	TURB	Turbidity	9/26/2022 9:19	8.61	NTU
MR-AP-MW-14R	COND	Conductivity	9/26/2022 9:24	339.65	uS/cm
MR-AP-MW-14R	DO	DO	9/26/2022 9:24	0.05	mg/L
MR-AP-MW-14R	DTW	Depth to Water Detail	9/26/2022 9:24	19.5	ft
MR-AP-MW-14R	ORP	Oxidation Reduction Potention	9/26/2022 9:24	-42.65	mv
MR-AP-MW-14R	PH	pH	9/26/2022 9:24	6.49	SU
MR-AP-MW-14R	SULFIDE	Sulfide	9/26/2022 9:24	0	mg/L
MR-AP-MW-14R	TEMP	Temperature	9/26/2022 9:24	18.07	C
MR-AP-MW-14R	TURB	Turbidity	9/26/2022 9:24	5.34	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-2	COND	Conductivity	9/26/2022 10:09	763.56	uS/cm
MR-AP-MW-2	DO	DO	9/26/2022 10:09	0.5	mg/L
MR-AP-MW-2	DTW	Depth to Water Detail	9/26/2022 10:09	205.36	ft
MR-AP-MW-2	ORP	Oxidation Reduction Potention	9/26/2022 10:09	-31.75	mv
MR-AP-MW-2	PH	pH	9/26/2022 10:09	6.62	SU
MR-AP-MW-2	TEMP	Temperature	9/26/2022 10:09	18.75	C
MR-AP-MW-2	TURB	Turbidity	9/26/2022 10:09	5.4	NTU
MR-AP-MW-2	COND	Conductivity	9/26/2022 10:14	1405.3	uS/cm
MR-AP-MW-2	DO	DO	9/26/2022 10:14	0.36	mg/L
MR-AP-MW-2	DTW	Depth to Water Detail	9/26/2022 10:14	205.9	ft
MR-AP-MW-2	ORP	Oxidation Reduction Potention	9/26/2022 10:14	-62.04	mv
MR-AP-MW-2	PH	pH	9/26/2022 10:14	6.54	SU
MR-AP-MW-2	TEMP	Temperature	9/26/2022 10:14	18.72	C
MR-AP-MW-2	TURB	Turbidity	9/26/2022 10:14	3	NTU
MR-AP-MW-2	COND	Conductivity	9/26/2022 10:19	2309.71	uS/cm
MR-AP-MW-2	DO	DO	9/26/2022 10:19	0.29	mg/L
MR-AP-MW-2	DTW	Depth to Water Detail	9/26/2022 10:19	206.12	ft
MR-AP-MW-2	ORP	Oxidation Reduction Potention	9/26/2022 10:19	-69.44	mv
MR-AP-MW-2	PH	pH	9/26/2022 10:19	6.45	SU
MR-AP-MW-2	TEMP	Temperature	9/26/2022 10:19	18.75	C
MR-AP-MW-2	TURB	Turbidity	9/26/2022 10:19	2.4	NTU
MR-AP-MW-2	COND	Conductivity	9/26/2022 10:24	2573.44	uS/cm
MR-AP-MW-2	DO	DO	9/26/2022 10:24	0.29	mg/L
MR-AP-MW-2	DTW	Depth to Water Detail	9/26/2022 10:24	206.21	ft
MR-AP-MW-2	ORP	Oxidation Reduction Potention	9/26/2022 10:24	-69.76	mv
MR-AP-MW-2	PH	pH	9/26/2022 10:24	6.44	SU
MR-AP-MW-2	TEMP	Temperature	9/26/2022 10:24	18.57	C
MR-AP-MW-2	TURB	Turbidity	9/26/2022 10:24	3.4	NTU
MR-AP-MW-2	COND	Conductivity	9/26/2022 10:29	2570.57	uS/cm
MR-AP-MW-2	DO	DO	9/26/2022 10:29	0.26	mg/L
MR-AP-MW-2	DTW	Depth to Water Detail	9/26/2022 10:29	206.3	ft
MR-AP-MW-2	ORP	Oxidation Reduction Potention	9/26/2022 10:29	-67.39	mv
MR-AP-MW-2	PH	pH	9/26/2022 10:29	6.43	SU
MR-AP-MW-2	TEMP	Temperature	9/26/2022 10:29	18.65	C
MR-AP-MW-2	TURB	Turbidity	9/26/2022 10:29	1.92	NTU
MR-AP-MW-2	COND	Conductivity	9/26/2022 10:34	2514.27	uS/cm
MR-AP-MW-2	DO	DO	9/26/2022 10:34	0.25	mg/L
MR-AP-MW-2	DTW	Depth to Water Detail	9/26/2022 10:34	206.33	ft
MR-AP-MW-2	ORP	Oxidation Reduction Potention	9/26/2022 10:34	-61.1	mv
MR-AP-MW-2	PH	pH	9/26/2022 10:34	6.37	SU
MR-AP-MW-2	SULFIDE	Sulfide	9/26/2022 10:34	0	mg/L
MR-AP-MW-2	TEMP	Temperature	9/26/2022 10:34	18.71	C
MR-AP-MW-2	TURB	Turbidity	9/26/2022 10:34	1.84	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-4	COND	Conductivity	9/26/2022 13:49	898.14	uS/cm
MR-AP-MW-4	DO	DO	9/26/2022 13:49	0.64	mg/L
MR-AP-MW-4	DTW	Depth to Water Detail	9/26/2022 13:49	61.65	ft
MR-AP-MW-4	ORP	Oxidation Reduction Potention	9/26/2022 13:49	38.77	mv
MR-AP-MW-4	PH	pH	9/26/2022 13:49	6.44	SU
MR-AP-MW-4	TEMP	Temperature	9/26/2022 13:49	20.39	C
MR-AP-MW-4	TURB	Turbidity	9/26/2022 13:49	15.5	NTU
MR-AP-MW-4	COND	Conductivity	9/26/2022 13:54	921.39	uS/cm
MR-AP-MW-4	DO	DO	9/26/2022 13:54	0.42	mg/L
MR-AP-MW-4	DTW	Depth to Water Detail	9/26/2022 13:54	61.82	ft
MR-AP-MW-4	ORP	Oxidation Reduction Potention	9/26/2022 13:54	44.67	mv
MR-AP-MW-4	PH	pH	9/26/2022 13:54	6.31	SU
MR-AP-MW-4	TEMP	Temperature	9/26/2022 13:54	20.22	C
MR-AP-MW-4	TURB	Turbidity	9/26/2022 13:54	8	NTU
MR-AP-MW-4	COND	Conductivity	9/26/2022 13:59	934	uS/cm
MR-AP-MW-4	DO	DO	9/26/2022 13:59	0.31	mg/L
MR-AP-MW-4	DTW	Depth to Water Detail	9/26/2022 13:59	61.82	ft
MR-AP-MW-4	ORP	Oxidation Reduction Potention	9/26/2022 13:59	52.52	mv
MR-AP-MW-4	PH	pH	9/26/2022 13:59	6.18	SU
MR-AP-MW-4	TEMP	Temperature	9/26/2022 13:59	20.05	C
MR-AP-MW-4	TURB	Turbidity	9/26/2022 13:59	3.39	NTU
MR-AP-MW-4	COND	Conductivity	9/26/2022 14:04	924.42	uS/cm
MR-AP-MW-4	DO	DO	9/26/2022 14:04	0.24	mg/L
MR-AP-MW-4	DTW	Depth to Water Detail	9/26/2022 14:04	61.82	ft
MR-AP-MW-4	ORP	Oxidation Reduction Potention	9/26/2022 14:04	62.23	mv
MR-AP-MW-4	PH	pH	9/26/2022 14:04	6.08	SU
MR-AP-MW-4	TEMP	Temperature	9/26/2022 14:04	20.19	C
MR-AP-MW-4	TURB	Turbidity	9/26/2022 14:04	2.22	NTU
MR-AP-MW-4	COND	Conductivity	9/26/2022 14:09	924.83	uS/cm
MR-AP-MW-4	DO	DO	9/26/2022 14:09	0.21	mg/L
MR-AP-MW-4	DTW	Depth to Water Detail	9/26/2022 14:09	61.82	ft
MR-AP-MW-4	ORP	Oxidation Reduction Potention	9/26/2022 14:09	66.31	mv
MR-AP-MW-4	PH	pH	9/26/2022 14:09	6.05	SU
MR-AP-MW-4	SULFIDE	Sulfide	9/26/2022 14:09	0	mg/L
MR-AP-MW-4	TEMP	Temperature	9/26/2022 14:09	20.16	C
MR-AP-MW-4	TURB	Turbidity	9/26/2022 14:09	1.84	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-4V	COND	Conductivity	9/26/2022 12:47	1442.17	uS/cm
MR-AP-MW-4V	DO	DO	9/26/2022 12:47	0.61	mg/L
MR-AP-MW-4V	DTW	Depth to Water Detail	9/26/2022 12:47	97.6	ft
MR-AP-MW-4V	ORP	Oxidation Reduction Potention	9/26/2022 12:47	-84.53	mv
MR-AP-MW-4V	PH	pH	9/26/2022 12:47	6.82	SU
MR-AP-MW-4V	TEMP	Temperature	9/26/2022 12:47	20.08	C
MR-AP-MW-4V	TURB	Turbidity	9/26/2022 12:47	14.3	NTU
MR-AP-MW-4V	COND	Conductivity	9/26/2022 12:52	1446.3	uS/cm
MR-AP-MW-4V	DO	DO	9/26/2022 12:52	0.38	mg/L
MR-AP-MW-4V	DTW	Depth to Water Detail	9/26/2022 12:52	97.6	ft
MR-AP-MW-4V	ORP	Oxidation Reduction Potention	9/26/2022 12:52	-73.33	mv
MR-AP-MW-4V	PH	pH	9/26/2022 12:52	6.68	SU
MR-AP-MW-4V	TEMP	Temperature	9/26/2022 12:52	19.97	C
MR-AP-MW-4V	TURB	Turbidity	9/26/2022 12:52	18.6	NTU
MR-AP-MW-4V	COND	Conductivity	9/26/2022 12:57	1455.92	uS/cm
MR-AP-MW-4V	DO	DO	9/26/2022 12:57	0.34	mg/L
MR-AP-MW-4V	DTW	Depth to Water Detail	9/26/2022 12:57	97.6	ft
MR-AP-MW-4V	ORP	Oxidation Reduction Potention	9/26/2022 12:57	-72.9	mv
MR-AP-MW-4V	PH	pH	9/26/2022 12:57	6.68	SU
MR-AP-MW-4V	TEMP	Temperature	9/26/2022 12:57	19.98	C
MR-AP-MW-4V	TURB	Turbidity	9/26/2022 12:57	20.1	NTU
MR-AP-MW-4V	COND	Conductivity	9/26/2022 13:02	1452.06	uS/cm
MR-AP-MW-4V	DO	DO	9/26/2022 13:02	0.34	mg/L
MR-AP-MW-4V	DTW	Depth to Water Detail	9/26/2022 13:02	97.98	ft
MR-AP-MW-4V	ORP	Oxidation Reduction Potention	9/26/2022 13:02	-74.03	mv
MR-AP-MW-4V	PH	pH	9/26/2022 13:02	6.73	SU
MR-AP-MW-4V	TEMP	Temperature	9/26/2022 13:02	19.96	C
MR-AP-MW-4V	TURB	Turbidity	9/26/2022 13:02	13.2	NTU
MR-AP-MW-4V	COND	Conductivity	9/26/2022 13:07	1454.14	uS/cm
MR-AP-MW-4V	DO	DO	9/26/2022 13:07	0.33	mg/L
MR-AP-MW-4V	DTW	Depth to Water Detail	9/26/2022 13:07	98.1	ft
MR-AP-MW-4V	ORP	Oxidation Reduction Potention	9/26/2022 13:07	-74.82	mv
MR-AP-MW-4V	PH	pH	9/26/2022 13:07	6.75	SU
MR-AP-MW-4V	TEMP	Temperature	9/26/2022 13:07	19.87	C
MR-AP-MW-4V	TURB	Turbidity	9/26/2022 13:07	5.8	NTU
MR-AP-MW-4V	COND	Conductivity	9/26/2022 13:12	1460.61	uS/cm
MR-AP-MW-4V	DO	DO	9/26/2022 13:12	0.31	mg/L
MR-AP-MW-4V	DTW	Depth to Water Detail	9/26/2022 13:12	98.18	ft
MR-AP-MW-4V	ORP	Oxidation Reduction Potention	9/26/2022 13:12	-74.66	mv
MR-AP-MW-4V	PH	pH	9/26/2022 13:12	6.75	SU
MR-AP-MW-4V	SULFIDE	Sulfide	9/26/2022 13:12	0	mg/L
MR-AP-MW-4V	TEMP	Temperature	9/26/2022 13:12	19.79	C
MR-AP-MW-4V	TURB	Turbidity	9/26/2022 13:12	4.9	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-37H	COND	Conductivity	9/27/2022 11:00	550.94	uS/cm
MR-AP-MW-37H	DO	DO	9/27/2022 11:00	0.92	mg/L
MR-AP-MW-37H	DTW	Depth to Water Detail	9/27/2022 11:00	111.19	ft
MR-AP-MW-37H	ORP	Oxidation Reduction Potention	9/27/2022 11:00	-42.98	mv
MR-AP-MW-37H	PH	pH	9/27/2022 11:00	7.35	SU
MR-AP-MW-37H	TEMP	Temperature	9/27/2022 11:00	18.67	C
MR-AP-MW-37H	TURB	Turbidity	9/27/2022 11:00	1.36	NTU
MR-AP-MW-37H	COND	Conductivity	9/27/2022 11:05	541.81	uS/cm
MR-AP-MW-37H	DO	DO	9/27/2022 11:05	0.7	mg/L
MR-AP-MW-37H	DTW	Depth to Water Detail	9/27/2022 11:05	111.52	ft
MR-AP-MW-37H	ORP	Oxidation Reduction Potention	9/27/2022 11:05	-61.1	mv
MR-AP-MW-37H	PH	pH	9/27/2022 11:05	7.37	SU
MR-AP-MW-37H	TEMP	Temperature	9/27/2022 11:05	18.68	C
MR-AP-MW-37H	TURB	Turbidity	9/27/2022 11:05	1.58	NTU
MR-AP-MW-37H	COND	Conductivity	9/27/2022 11:10	537.19	uS/cm
MR-AP-MW-37H	DO	DO	9/27/2022 11:10	0.61	mg/L
MR-AP-MW-37H	DTW	Depth to Water Detail	9/27/2022 11:10	112.04	ft
MR-AP-MW-37H	ORP	Oxidation Reduction Potention	9/27/2022 11:10	-70.53	mv
MR-AP-MW-37H	PH	pH	9/27/2022 11:10	7.39	SU
MR-AP-MW-37H	TEMP	Temperature	9/27/2022 11:10	18.74	C
MR-AP-MW-37H	TURB	Turbidity	9/27/2022 11:10	1.63	NTU
MR-AP-MW-37H	COND	Conductivity	9/27/2022 11:15	527.54	uS/cm
MR-AP-MW-37H	DO	DO	9/27/2022 11:15	0.58	mg/L
MR-AP-MW-37H	DTW	Depth to Water Detail	9/27/2022 11:15	112.15	ft
MR-AP-MW-37H	ORP	Oxidation Reduction Potention	9/27/2022 11:15	-73.84	mv
MR-AP-MW-37H	PH	pH	9/27/2022 11:15	7.35	SU
MR-AP-MW-37H	TEMP	Temperature	9/27/2022 11:15	18.67	C
MR-AP-MW-37H	TURB	Turbidity	9/27/2022 11:15	2.44	NTU
MR-AP-MW-37H	COND	Conductivity	9/27/2022 11:20	523.4	uS/cm
MR-AP-MW-37H	DO	DO	9/27/2022 11:20	0.58	mg/L
MR-AP-MW-37H	DTW	Depth to Water Detail	9/27/2022 11:20	112.31	ft
MR-AP-MW-37H	ORP	Oxidation Reduction Potention	9/27/2022 11:20	-79.57	mv
MR-AP-MW-37H	PH	pH	9/27/2022 11:20	7.39	SU
MR-AP-MW-37H	SULFIDE	Sulfide	9/27/2022 11:20	0	mg/L
MR-AP-MW-37H	TEMP	Temperature	9/27/2022 11:20	18.56	C
MR-AP-MW-37H	TURB	Turbidity	9/27/2022 11:20	1.04	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6V	COND	Conductivity	9/26/2022 11:55	1245.11	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 11:55	7.09	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 11:55	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 11:55	-46.37	mv
MR-AP-MW-6V	PH	pH	9/26/2022 11:55	7.75	SU
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 11:55	19.84	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 11:55	26.8	NTU
MR-AP-MW-6V	COND	Conductivity	9/26/2022 12:00	1104.41	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 12:00	7.74	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 12:00	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 12:00	-52.05	mv
MR-AP-MW-6V	PH	pH	9/26/2022 12:00	7.83	SU
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 12:00	19.54	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 12:00	20.1	NTU
MR-AP-MW-6V	COND	Conductivity	9/26/2022 12:05	1012.11	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 12:05	8.06	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 12:05	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 12:05	-56.15	mv
MR-AP-MW-6V	PH	pH	9/26/2022 12:05	7.85	SU
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 12:05	19.26	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 12:05	13.4	NTU
MR-AP-MW-6V	COND	Conductivity	9/26/2022 12:10	965.44	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 12:10	8.03	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 12:10	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 12:10	-57.9	mv
MR-AP-MW-6V	PH	pH	9/26/2022 12:10	7.83	SU
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 12:10	19.73	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 12:10	11.06	NTU
MR-AP-MW-6V	COND	Conductivity	9/26/2022 12:15	941.91	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 12:15	8.36	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 12:15	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 12:15	-62.74	mv
MR-AP-MW-6V	PH	pH	9/26/2022 12:15	7.82	SU
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 12:15	19.62	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 12:15	9.39	NTU
MR-AP-MW-6V	COND	Conductivity	9/26/2022 12:20	927.67	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 12:20	8.83	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 12:20	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 12:20	-64.6	mv
MR-AP-MW-6V	PH	pH	9/26/2022 12:20	7.8	SU
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 12:20	19.32	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 12:20	8.48	NTU
MR-AP-MW-6V	COND	Conductivity	9/26/2022 12:25	919.28	uS/cm
MR-AP-MW-6V	DO	DO	9/26/2022 12:25	8.52	mg/L
MR-AP-MW-6V	DTW	Depth to Water Detail	9/26/2022 12:25	116.81	ft
MR-AP-MW-6V	ORP	Oxidation Reduction Potention	9/26/2022 12:25	-66.64	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-6V	PH	pH	9/26/2022 12:25	7.76	SU
MR-AP-MW-6V	SULFIDE	Sulfide	9/26/2022 12:25	0	mg/L
MR-AP-MW-6V	TEMP	Temperature	9/26/2022 12:25	19.3	C
MR-AP-MW-6V	TURB	Turbidity	9/26/2022 12:25	7.58	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-10	COND	Conductivity	9/26/2022 12:00	3380	uS/cm
MR-AP-MW-10	DO	DO	9/26/2022 12:00	0.6	mg/L
MR-AP-MW-10	DTW	Depth to Water Detail	9/26/2022 12:00	151.6	ft
MR-AP-MW-10	ORP	Oxidation Reduction Potention	9/26/2022 12:00	-119.45	mv
MR-AP-MW-10	PH	pH	9/26/2022 12:00	7.15	SU
MR-AP-MW-10	TEMP	Temperature	9/26/2022 12:00	18.49	C
MR-AP-MW-10	TURB	Turbidity	9/26/2022 12:00	9.47	NTU
MR-AP-MW-10	COND	Conductivity	9/26/2022 12:05	3330.8	uS/cm
MR-AP-MW-10	DO	DO	9/26/2022 12:05	0.51	mg/L
MR-AP-MW-10	DTW	Depth to Water Detail	9/26/2022 12:05	151.6	ft
MR-AP-MW-10	ORP	Oxidation Reduction Potention	9/26/2022 12:05	-120.41	mv
MR-AP-MW-10	PH	pH	9/26/2022 12:05	7.15	SU
MR-AP-MW-10	TEMP	Temperature	9/26/2022 12:05	18.55	C
MR-AP-MW-10	TURB	Turbidity	9/26/2022 12:05	7.22	NTU
MR-AP-MW-10	COND	Conductivity	9/26/2022 12:10	3308.62	uS/cm
MR-AP-MW-10	DO	DO	9/26/2022 12:10	0.48	mg/L
MR-AP-MW-10	DTW	Depth to Water Detail	9/26/2022 12:10	151.6	ft
MR-AP-MW-10	ORP	Oxidation Reduction Potention	9/26/2022 12:10	-120.46	mv
MR-AP-MW-10	PH	pH	9/26/2022 12:10	7.15	SU
MR-AP-MW-10	TEMP	Temperature	9/26/2022 12:10	18.54	C
MR-AP-MW-10	TURB	Turbidity	9/26/2022 12:10	4.68	NTU
MR-AP-MW-10	COND	Conductivity	9/26/2022 12:15	3332.33	uS/cm
MR-AP-MW-10	DO	DO	9/26/2022 12:15	0.45	mg/L
MR-AP-MW-10	DTW	Depth to Water Detail	9/26/2022 12:15	151.6	ft
MR-AP-MW-10	ORP	Oxidation Reduction Potention	9/26/2022 12:15	-120.81	mv
MR-AP-MW-10	PH	pH	9/26/2022 12:15	7.16	SU
MR-AP-MW-10	SULFIDE	Sulfide	9/26/2022 12:15	0	mg/L
MR-AP-MW-10	TEMP	Temperature	9/26/2022 12:15	18.56	C
MR-AP-MW-10	TURB	Turbidity	9/26/2022 12:15	4.12	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-12	COND	Conductivity	9/26/2022 14:47	2733.53	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 14:47	0.92	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 14:47	111.62	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 14:47	-14.01	mv
MR-AP-MW-12	PH	pH	9/26/2022 14:47	6.66	SU
MR-AP-MW-12	TEMP	Temperature	9/26/2022 14:47	21.72	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 14:47	4.2	NTU
MR-AP-MW-12	COND	Conductivity	9/26/2022 14:52	2376.13	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 14:52	1.02	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 14:52	111.91	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 14:52	0.61	mv
MR-AP-MW-12	PH	pH	9/26/2022 14:52	6.66	SU
MR-AP-MW-12	TEMP	Temperature	9/26/2022 14:52	22.17	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 14:52	3.49	NTU
MR-AP-MW-12	COND	Conductivity	9/26/2022 14:57	2131.85	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 14:57	0.99	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 14:57	111.79	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 14:57	-8.6	mv
MR-AP-MW-12	PH	pH	9/26/2022 14:57	6.68	SU
MR-AP-MW-12	TEMP	Temperature	9/26/2022 14:57	22.03	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 14:57	3.21	NTU
MR-AP-MW-12	COND	Conductivity	9/26/2022 15:02	1963.7	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 15:02	1.15	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 15:02	111.83	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 15:02	-13.66	mv
MR-AP-MW-12	PH	pH	9/26/2022 15:02	6.73	SU
MR-AP-MW-12	TEMP	Temperature	9/26/2022 15:02	21.81	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 15:02	2.86	NTU
MR-AP-MW-12	COND	Conductivity	9/26/2022 15:07	2095.82	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 15:07	1.5	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 15:07	111.87	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 15:07	-16.16	mv
MR-AP-MW-12	PH	pH	9/26/2022 15:07	6.78	SU
MR-AP-MW-12	TEMP	Temperature	9/26/2022 15:07	21.83	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 15:07	2.3	NTU
MR-AP-MW-12	COND	Conductivity	9/26/2022 15:12	2006.55	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 15:12	1.58	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 15:12	111.89	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 15:12	-15.62	mv
MR-AP-MW-12	PH	pH	9/26/2022 15:12	6.76	SU
MR-AP-MW-12	TEMP	Temperature	9/26/2022 15:12	21.88	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 15:12	2.01	NTU
MR-AP-MW-12	COND	Conductivity	9/26/2022 15:17	2016.69	uS/cm
MR-AP-MW-12	DO	DO	9/26/2022 15:17	1.38	mg/L
MR-AP-MW-12	DTW	Depth to Water Detail	9/26/2022 15:17	111.92	ft
MR-AP-MW-12	ORP	Oxidation Reduction Potention	9/26/2022 15:17	-13.92	mv

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-12	PH	pH	9/26/2022 15:17	6.71	SU
MR-AP-MW-12	SULFIDE	Sulfide	9/26/2022 15:17	0	mg/L
MR-AP-MW-12	TEMP	Temperature	9/26/2022 15:17	21.88	C
MR-AP-MW-12	TURB	Turbidity	9/26/2022 15:17	1.96	NTU

Field Parameters Summary
Plant Miller Ash Pond

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
MR-AP-MW-21	COND	Conductivity	9/26/2022 9:22	966.05	uS/cm
MR-AP-MW-21	DO	DO	9/26/2022 9:22	0.49	mg/L
MR-AP-MW-21	DTW	Depth to Water Detail	9/26/2022 9:22	24.23	ft
MR-AP-MW-21	ORP	Oxidation Reduction Potention	9/26/2022 9:22	-190.8	mv
MR-AP-MW-21	PH	pH	9/26/2022 9:22	7.43	SU
MR-AP-MW-21	TEMP	Temperature	9/26/2022 9:22	18.16	C
MR-AP-MW-21	TURB	Turbidity	9/26/2022 9:22	7.33	NTU
MR-AP-MW-21	COND	Conductivity	9/26/2022 9:27	900.57	uS/cm
MR-AP-MW-21	DO	DO	9/26/2022 9:27	0.47	mg/L
MR-AP-MW-21	DTW	Depth to Water Detail	9/26/2022 9:27	24.23	ft
MR-AP-MW-21	ORP	Oxidation Reduction Potention	9/26/2022 9:27	-181.95	mv
MR-AP-MW-21	PH	pH	9/26/2022 9:27	7.41	SU
MR-AP-MW-21	TEMP	Temperature	9/26/2022 9:27	18.17	C
MR-AP-MW-21	TURB	Turbidity	9/26/2022 9:27	2.38	NTU
MR-AP-MW-21	COND	Conductivity	9/26/2022 9:32	870.88	uS/cm
MR-AP-MW-21	DO	DO	9/26/2022 9:32	0.5	mg/L
MR-AP-MW-21	DTW	Depth to Water Detail	9/26/2022 9:32	24.23	ft
MR-AP-MW-21	ORP	Oxidation Reduction Potention	9/26/2022 9:32	-175.35	mv
MR-AP-MW-21	PH	pH	9/26/2022 9:32	7.39	SU
MR-AP-MW-21	TEMP	Temperature	9/26/2022 9:32	18.19	C
MR-AP-MW-21	TURB	Turbidity	9/26/2022 9:32	1.86	NTU
MR-AP-MW-21	COND	Conductivity	9/26/2022 9:37	847.43	uS/cm
MR-AP-MW-21	DO	DO	9/26/2022 9:37	0.52	mg/L
MR-AP-MW-21	DTW	Depth to Water Detail	9/26/2022 9:37	24.23	ft
MR-AP-MW-21	ORP	Oxidation Reduction Potention	9/26/2022 9:37	-170.28	mv
MR-AP-MW-21	PH	pH	9/26/2022 9:37	7.37	SU
MR-AP-MW-21	TEMP	Temperature	9/26/2022 9:37	18.28	C
MR-AP-MW-21	TURB	Turbidity	9/26/2022 9:37	1.7	NTU
MR-AP-MW-21	COND	Conductivity	9/26/2022 9:42	833.11	uS/cm
MR-AP-MW-21	DO	DO	9/26/2022 9:42	0.53	mg/L
MR-AP-MW-21	DTW	Depth to Water Detail	9/26/2022 9:42	24.23	ft
MR-AP-MW-21	ORP	Oxidation Reduction Potention	9/26/2022 9:42	-165.95	mv
MR-AP-MW-21	PH	pH	9/26/2022 9:42	7.36	SU
MR-AP-MW-21	SULFIDE	Sulfide	9/26/2022 9:42	1	mg/L
MR-AP-MW-21	TEMP	Temperature	9/26/2022 9:42	18.33	C
MR-AP-MW-21	TURB	Turbidity	9/26/2022 9:42	1.45	NTU

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*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
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Quality Control:

Supervision:

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Total Metals ICP

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736237	WMWMILAP_1384
BC17210	736237	WMWMILAP_1384
BC17211	736237	WMWMILAP_1384
BC17212	736237	WMWMILAP_1384
BC17213	736237	WMWMILAP_1384
BC17214	736237	WMWMILAP_1384
BC17215	736237	WMWMILAP_1384
BC17467	736660	WMWMILAP_1384
BC17468	736660	WMWMILAP_1384
BC17469	736660	WMWMILAP_1384
BC17470	736660	WMWMILAP_1384
BC17471	736660	WMWMILAP_1384
BC17472	736660	WMWMILAP_1384
BC17473	736660	WMWMILAP_1384
BC17474	736660	WMWMILAP_1384
BC17475	736660	WMWMILAP_1384
BC17476	736660	WMWMILAP_1384
BC17477	736661	WMWMILAP_1384
BC17478	736661	WMWMILAP_1384
BC17479	736661	WMWMILAP_1384
BC17480	736661	WMWMILAP_1384
BC17481	736661	WMWMILAP_1384
BC17482	736661	WMWMILAP_1384
BC17483	736661	WMWMILAP_1384
BC17484	736661	WMWMILAP_1384
BC17485	736661	WMWMILAP_1384
BC17486	736661	WMWMILAP_1384
BC17487	736662	WMWMILAP_1384
BC17488	736662	WMWMILAP_1384
BC17489	736662	WMWMILAP_1384
BC17490	736662	WMWMILAP_1384

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General Test Laboratory
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Calera, AL 35040

Case Narrative

BC17744	736887	WMWMILAP_1384
BC17745	736887	WMWMILAP_1384
BC17746	736887	WMWMILAP_1384
BC17747	736887	WMWMILAP_1384
BC17748	736887	WMWMILAP_1384
BC17749	736887	WMWMILAP_1384
BC17750	736887	WMWMILAP_1384
BC17751	736887	WMWMILAP_1384
BC17752	736887	WMWMILAP_1384
BC17753	736887	WMWMILAP_1384
BC17754	736888	WMWMILAP_1384
BC17755	736888	WMWMILAP_1384
BC17928	737769	WMWMILAP_1384
BC17929	737769	WMWMILAP_1384
BC17930	737769	WMWMILAP_1384
BC17931	737769	WMWMILAP_1384
BC18057	737757	WMWMILAP_1384
BC18058	737757	WMWMILAP_1384
BC18059	737757	WMWMILAP_1384
BC18060	737757	WMWMILAP_1384
BC18061	737757	WMWMILAP_1384
BC18062	737757	WMWMILAP_1384
BC18063	737757	WMWMILAP_1384

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:

- x Prior to sample analysis, an initial calibration verification (ICV) was analyzed, and all criteria were met.
- x Following the ICV, an initial calibration blank (ICB) was analyzed, and all criteria were met.
- x All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- x All continued calibration blanks (CCB) were analyzed and all criteria were met.
- x A preparation method blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- x All laboratory control sample criteria were met.
- x The method blank associated with each digestion batch passed all acceptance criteria for all requested analytes.
- x All calibration curve requirements were within acceptance criteria.
- x All sample internal standard criteria were met.

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Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

- x The spectral interference check associated with EPA 200.7 was analyzed, and the acceptance criteria were met.
- x 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 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.

- x 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:
  - o BC17486 Calcium & Sodium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC17490 Calcium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC17753 Calcium, Iron, Magnesium, Sodium & Silicon MS/MSD spike level was <30% of the sample concentration.
  - o BC17931 Calcium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC18063 Calcium & Sodium MS/MSD spike level was <30% of the sample concentration
- x A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC17209	Sodium	10.15
BC17211	Sodium	101.5
BC17212	Sodium	101.5
BC17213	Calcium, Magnesium, Sodium	101.5
BC17214	Calcium, Magnesium, Sodium	101.5
BC17467	Calcium	10.15
BC17468	Calcium	10.15
BC17469	Sodium	10.15
BC17470	Calcium, Sodium	10.15
BC17471	Calcium, Sodium	10.15
BC17472	Sodium	10.15
BC17473	Calcium, Iron, Sodium	10.15
BC17474	Calcium, Sodium	10.15

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744 County Road 87, GSC #8
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BC17475	Calcium, Iron, Sodium	10.15
BC17477	Calcium, Iron, Sodium	10.15
BC17478	Sodium	101.5
BC17479	Sodium	101.5
BC17480	Calcium, Magnesium, Sodium	10.15
BC17481	Calcium, Magnesium, Sodium	10.15
BC17482	Calcium, Magnesium, Sodium	10.15
BC17483	Calcium, Iron, Magnesium, Sodium	10.15
BC17484	Calcium, Iron, Magnesium	10.15
BC17485	Calcium, Sodium	10.15
BC17486	Calcium, Sodium	10.15
BC17487	Calcium, Sodium	10.15
BC17488	Calcium, Iron, Sodium	10.15
BC17489	Calcium, Iron, Sodium	10.15
BC17490	Calcium	10.15
BC17744	Calcium, Iron, Sodium	10.15
BC17745	Calcium	10.15
BC17746	Calcium, Iron, Magnesium, Sodium	10.15
BC17747	Calcium, Iron, Sodium	10.15
BC17748	Sodium	10.15
BC17749	Calcium, Sodium	101.5
BC17750	Sodium	10.15
BC17751	Calcium, Magnesium, Sodium	10.15
BC17752	Calcium, Iron, Magnesium	10.15
BC17753	Calcium, Iron, Magnesium, Sodium	10.15
BC17754	Calcium, Sodium	10.15
BC17929	Calcium, Iron, Magnesium, Sodium	101.5
BC17930	Calcium, Magnesium, Sodium	10.15
BC17931	Calcium	10.15
BC18057	Calcium, Sodium	10.15
BC18058	Calcium, Magnesium, Sodium	101.5
BC18059	Calcium, Magnesium, Sodium	101.5
BC18062	Calcium, Sodium	10.15
BC18063	Sodium	10.15

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

Case Narrative

Dissolved Metals ICP

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736222	WMWMILAP_1384
BC17211	736222	WMWMILAP_1384
BC17212	736222	WMWMILAP_1384
BC17213	736222	WMWMILAP_1384
BC17214	736222	WMWMILAP_1384
BC17467	736607	WMWMILAP_1384
BC17468	736607	WMWMILAP_1384
BC17469	736607	WMWMILAP_1384
BC17470	736607	WMWMILAP_1384
BC17471	736607	WMWMILAP_1384
BC17472	736607	WMWMILAP_1384
BC17473	736607	WMWMILAP_1384
BC17474	736607	WMWMILAP_1384
BC17475	736607	WMWMILAP_1384
BC17477	736607	WMWMILAP_1384
BC17478	736608	WMWMILAP_1384
BC17479	736608	WMWMILAP_1384
BC17480	736608	WMWMILAP_1384
BC17481	736608	WMWMILAP_1384
BC17482	736608	WMWMILAP_1384
BC17483	736608	WMWMILAP_1384
BC17484	736608	WMWMILAP_1384
BC17485	736608	WMWMILAP_1384
BC17486	736608	WMWMILAP_1384
BC17487	736608	WMWMILAP_1384
BC17488	736609	WMWMILAP_1384
BC17489	736609	WMWMILAP_1384
BC17490	736609	WMWMILAP_1384
BC17744	736891	WMWMILAP_1384
BC17745	736891	WMWMILAP_1384
BC17746	736891	WMWMILAP_1384

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General Test Laboratory
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Case Narrative

BC17747	736891	WMWMILAP_1384
BC17748	736891	WMWMILAP_1384
BC17749	736891	WMWMILAP_1384
BC17750	736891	WMWMILAP_1384
BC17751	736891	WMWMILAP_1384
BC17752	736891	WMWMILAP_1384
BC17753	736891	WMWMILAP_1384
BC17754	736892	WMWMILAP_1384
BC17928	737781	WMWMILAP_1384
BC17929	737781	WMWMILAP_1384
BC17930	737781	WMWMILAP_1384
BC17931	737781	WMWMILAP_1384
BC18057	737772	WMWMILAP_1384
BC18058	737772	WMWMILAP_1384
BC18059	737772	WMWMILAP_1384
BC18062	737772	WMWMILAP_1384
BC18063	737772	WMWMILAP_1384

4. All of the above samples were analyzed and prepared by EPA 200.7 for dissolved analysis
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:

- x Prior to sample analysis, an initial calibration verification (ICV) was analyzed, and all criteria were met.
- x Following the ICV, an initial calibration blank (ICB) was analyzed, and all criteria were met.
- x All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- x All continued calibration blanks (CCB) were analyzed, and all criteria were met.
- x Due to no filtered method blank (MB) or laboratory control sample (LCS) submitted with the sample set, an unfiltered MB and LCS were analyzed with the samples in each batch.
- x All laboratory control sample criteria were met.
- x The method blank associated with each batch passed all acceptance criteria for all requested analytes.
- x All calibration curve requirements were within acceptance criteria.
- x All sample internal standard criteria were met.
- x The spectral interference check associated with EPA 200.7 was analyzed and all acceptance criteria were met.
- x 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 analyses are based upon QC data available at the time of review.

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Case Narrative

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.

- x A matrix spike and matrix spike duplicate were analyzed with each ICP batch. All acceptance criteria for accurac were met except for the following:
  - o BC17214 Calcium, Magnesium, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC17477 Calcium, Iron, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC17487 Calcium & Sodium MS/MSD spike level was <30% of the sample concentration.
  - o BC17490 Calcium & Sodium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC17753 Calcium, Iron, Magnesium, & Sodium MS/MSD spike levels were <30% of the sample concentrations.
  - o BC17754 Calcium & Sodium MS/MSD spike level was <30% of the sample concentration.
  - o BC17931 Calcium MS/MSD spike level was <30% of the sample concentration.
  - o BC18063 Calcium & Sodium MS/MSD spike level was <30% of the sample concentration.
- x A matrix spike and matrix spike duplicate were analyzed with each ICP batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC17209	Sodium	10.15
BC17211	Sodium	101.5
BC17212	Sodium	101.5
BC17213	Calcium, Magnesium, Sodium	101.5
BC17214	Calcium, Magnesium, Sodium	101.5
BC17467	Calcium	10.15
BC17468	Calcium	10.15
BC17469	Sodium	10.15
BC17470	Calcium, Sodium	10.15
BC17471	Calcium, Sodium	10.15
BC17472	Sodium	10.15
BC17473	Calcium, Iron, Sodium	10.15
BC17474	Calcium, Sodium	10.15
BC17475	Calcium, Iron, Sodium	10.15
BC17477	Calcium, Iron, Sodium	10.15
BC17478	Sodium	101.5
BC17479	Sodium	101.5

Case Narrative

BC17480	Calcium, Magnesium, Sodium	10.15
BC17481	Calcium, Magnesium, Sodium	10.15
BC17482	Calcium, Magnesium, Sodium	10.15
BC17483	Calcium, Iron, Magnesium, Sodium	10.15
BC17484	Calcium, Iron, Magnesium	10.15
BC17485	Calcium, Sodium	10.15
BC17486	Calcium, Sodium	10.15
BC17487	Calcium, Sodium	10.15
BC17488	Calcium, Iron, Sodium	10.15
BC17489	Calcium, Iron, Sodium	10.15
BC17490	Calcium, Sodium	10.15
BC17744	Calcium, Iron, Sodium	10.15
BC17745	Calcium	10.15
BC17746	Calcium, Iron, Magnesium, Sodium	10.15
BC17747	Calcium, Iron, Sodium	10.15
BC17748	Sodium	10.15
BC17749	Calcium, Sodium	101.5
BC17750	Sodium	10.15
BC17751	Calcium, Magnesium, Sodium	10.15
BC17752	Calcium, Iron, Magnesium	10.15
BC17753	Calcium, Iron, Magnesium, Sodium	10.15
BC17754	Calcium, Sodium	10.15
BC17929	Calcium, Iron, Magnesium, Sodium	101.5
BC17930	Calcium, Sodium	10.15
BC17931	Calcium	10.15
BC18057	Calcium, Sodium	10.15
BC18058	Calcium, Magnesium, Sodium	101.5
BC18059	Calcium, Magnesium, Sodium	101.5
BC18062	Calcium, Sodium	10.15
BC18063	Sodium	10.15

8. The raw data results are shown with dilution factors included.

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Calera, AL 35040

Case Narrative

Total Metals ICPMS

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	737378	WMWMILAP_1384
BC17210	737378	WMWMILAP_1384
BC17211	737378	WMWMILAP_1384
BC17212	737378	WMWMILAP_1384
BC17213	737378	WMWMILAP_1384
BC17214	737378	WMWMILAP_1384
BC17215	737378	WMWMILAP_1384
BC17467	737489	WMWMILAP_1384
BC17468	737489	WMWMILAP_1384
BC17469	737489	WMWMILAP_1384
BC17470	737489	WMWMILAP_1384
BC17471	737489	WMWMILAP_1384
BC17472	737489	WMWMILAP_1384
BC17473	737489	WMWMILAP_1384
BC17474	737489	WMWMILAP_1384
BC17475	737489	WMWMILAP_1384
BC17476	737489	WMWMILAP_1384
BC17477	737490	WMWMILAP_1384
BC17478	737490	WMWMILAP_1384
BC17479	737490	WMWMILAP_1384
BC17480	737490	WMWMILAP_1384
BC17481	737490	WMWMILAP_1384
BC17482	737490	WMWMILAP_1384
BC17483	737490	WMWMILAP_1384
BC17484	737490	WMWMILAP_1384
BC17485	737490	WMWMILAP_1384
BC17486	737490	WMWMILAP_1384
BC17487	737491	WMWMILAP_1384
BC17488	737491	WMWMILAP_1384
BC17489	737491	WMWMILAP_1384
BC17490	737491	WMWMILAP_1384

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BC17744	737639	WMWMILAP_1384
BC17745	737639	WMWMILAP_1384
BC17746	737639	WMWMILAP_1384
BC17747	737639	WMWMILAP_1384
BC17748	737639	WMWMILAP_1384
BC17749	737639	WMWMILAP_1384
BC17750	737639	WMWMILAP_1384
BC17751	737639	WMWMILAP_1384
BC17752	737639	WMWMILAP_1384
BC17753	737639	WMWMILAP_1384
BC17754	737640	WMWMILAP_1384
BC17755	737640	WMWMILAP_1384
BC17928	738077	WMWMILAP_1384
BC17929	738077	WMWMILAP_1384
BC17930	738077	WMWMILAP_1384
BC17931	738077	WMWMILAP_1384
BC18057	738062	WMWMILAP_1384
BC18058	738062	WMWMILAP_1384
BC18059	738062	WMWMILAP_1384
BC18060	738062	WMWMILAP_1384
BC18061	738062	WMWMILAP_1384
BC18062	738062	WMWMILAP_1384
BC18063	738062	WMWMILAP_1384

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:

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

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Case Narrative

- x The interference check samples associated with EPA 200.8 were analyzed and passed for all requested analyte
- x All sample internal standard criteria were met.
- x 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 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.

- x A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met except for the following:
  - o BC17486 Manganese MS/MSD spike level was <30% of the sample concentration.
- x A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC17213	Barium	92.365
BC17214	Barium	10.15
BC17470	Manganese	5.075
BC17471	Manganese	5.075
BC17473	Manganese	5.075
BC17474	Manganese	5.075
BC17475	Manganese	5.075
BC17484	Manganese	5.075
BC17486	Manganese	5.075
BC17487	Manganese	5.075
BC17488	Manganese	5.075
BC17489	Manganese	5.075
BC17744	Manganese	10.15
BC17753	Manganese	5.075
BC17929	Manganese	5.075
BC17930	Manganese	5.075
BC17931	Manganese	5.075

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8. The raw data results are shown with dilution factors included.

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Case Narrative

Dissolved Metals ICP-MS

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	737393	WMWMILAP_1384
BC17211	737393	WMWMILAP_1384
BC17212	737393	WMWMILAP_1384
BC17213	737393	WMWMILAP_1384
BC17214	737393	WMWMILAP_1384
BC17467	737400	WMWMILAP_1384
BC17468	737400	WMWMILAP_1384
BC17469	737400	WMWMILAP_1384
BC17470	737400	WMWMILAP_1384
BC17471	737400	WMWMILAP_1384
BC17472	737400	WMWMILAP_1384
BC17473	737400	WMWMILAP_1384
BC17474	737400	WMWMILAP_1384
BC17475	737400	WMWMILAP_1384
BC17477	737401	WMWMILAP_1384
BC17478	737401	WMWMILAP_1384
BC17479	737401	WMWMILAP_1384
BC17480	737401	WMWMILAP_1384
BC17481	737401	WMWMILAP_1384
BC17482	737401	WMWMILAP_1384
BC17483	737401	WMWMILAP_1384
BC17484	737401	WMWMILAP_1384
BC17485	737401	WMWMILAP_1384
BC17486	737401	WMWMILAP_1384
BC17487	737402	WMWMILAP_1384
BC17488	737402	WMWMILAP_1384
BC17489	737402	WMWMILAP_1384
BC17490	737402	WMWMILAP_1384
BC17744	737551	WMWMILAP_1384
BC17745	737551	WMWMILAP_1384
BC17746	737551	WMWMILAP_1384

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BC17747	737551	WMWMILAP_1384
BC17748	737551	WMWMILAP_1384
BC17749	737551	WMWMILAP_1384
BC17750	737551	WMWMILAP_1384
BC17751	737551	WMWMILAP_1384
BC17752	737551	WMWMILAP_1384
BC17753	737551	WMWMILAP_1384
BC17754	737552	WMWMILAP_1384
BC17928	737596	WMWMILAP_1384
BC17929	737596	WMWMILAP_1384
BC17930	737596	WMWMILAP_1384
BC17931	737596	WMWMILAP_1384
BC18057	737581	WMWMILAP_1384
BC18058	737581	WMWMILAP_1384
BC18059	737581	WMWMILAP_1384
BC18062	737581	WMWMILAP_1384
BC18063	737581	WMWMILAP_1384

4. All of the above samples were analyzed and prepared by EPA 200.8 for dissolved analysis
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:

- x All tune and calibration met criteria for all requested analytes.
- x Prior to sample analysis, an initial calibration verification (ICV) was analyzed, and all criteria were met.
- x Following the ICV, an initial calibration blank (ICB) was analyzed and was below the limit of quantitation for all requested analytes.
- x All continued calibration verification (CCV) were within the acceptance criteria for the requested analytes.
- x All continued calibration blanks (CCB) were below the limit of quantitation for the requested analytes.
- x Due to no filtered method blank (MB) or laboratory control sample (LCS) submitted with the sample set, an unfiltered MB and LCS were analyzed with the samples in each batch.
- x All laboratory control sample criteria were met.
- x The method blank associated with each preparation batch passed all acceptance criteria for all requested analytes.
- x The interference check samples associated with EPA 200.8 were analyzed and passed for all requested analytes.
- x All sample internal standard criteria were met.
- x 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 analyses are based upon QC data available at the time of review.

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Case Narrative

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.

- x A matrix spike and matrix spike duplicate were analyzed with each MSCB batch. All acceptance criteria for accuracy were met except for the following:
  - o BC17214 Barium MS/MSD spike level was <30% of the sample concentration.
  - o BC17931 Manganese MS/MSD spike level was <30% of the sample concentration.
- x A matrix spike and matrix spike duplicate were analyzed with each MSCB batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC17213	Barium	92.365
BC17214	Barium	10.15
BC17471	Manganese	5.075
BC17473	Manganese	5.075
BC17475	Manganese	5.075
BC17484	Manganese	5.075
BC17486	Manganese	5.075
BC17487	Manganese	5.075
BC17488	Manganese	5.075
BC17489	Manganese	5.075
BC17744	Manganese	10.15
BC17749	Barium	5.075
BC17753	Manganese	5.075
BC17929	Manganese	5.075
BC17930	Manganese	5.075
BC17931	Manganese	5.075

8. The raw data results are shown with dilution factors included.

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Calera, AL 35040

Case Narrative

Mercury

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736243	WMWMILAP_1384
BC17210	736243	WMWMILAP_1384
BC17211	736243	WMWMILAP_1384
BC17212	736243	WMWMILAP_1384
BC17213	736243	WMWMILAP_1384
BC17214	736243	WMWMILAP_1384
BC17215	736243	WMWMILAP_1384
BC17467	736944	WMWMILAP_1384
BC17468	736944	WMWMILAP_1384
BC17469	736944	WMWMILAP_1384
BC17470	736944	WMWMILAP_1384
BC17471	736944	WMWMILAP_1384
BC17472	736944	WMWMILAP_1384
BC17473	736944	WMWMILAP_1384
BC17474	736944	WMWMILAP_1384
BC17475	736944	WMWMILAP_1384
BC17476	736944	WMWMILAP_1384
BC17477	736945	WMWMILAP_1384
BC17478	736945	WMWMILAP_1384
BC17479	736945	WMWMILAP_1384
BC17480	736945	WMWMILAP_1384
BC17481	736945	WMWMILAP_1384
BC17482	736945	WMWMILAP_1384
BC17483	736945	WMWMILAP_1384
BC17484	736945	WMWMILAP_1384
BC17485	736945	WMWMILAP_1384
BC17486	736945	WMWMILAP_1384
BC17487	736946	WMWMILAP_1384
BC17488	736946	WMWMILAP_1384
BC17489	736946	WMWMILAP_1384
BC17490	736946	WMWMILAP_1384

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BC17744	736946	WMWMILAP_1384
BC17745	736946	WMWMILAP_1384
BC17746	736946	WMWMILAP_1384
BC17747	736946	WMWMILAP_1384
BC17748	736946	WMWMILAP_1384
BC17749	736946	WMWMILAP_1384
BC17750	736947	WMWMILAP_1384
BC17751	736947	WMWMILAP_1384
BC17752	736947	WMWMILAP_1384
BC17753	736947	WMWMILAP_1384
BC17754	736947	WMWMILAP_1384
BC17755	736947	WMWMILAP_1384
BC17928	737683	WMWMILAP_1384
BC17929	737683	WMWMILAP_1384
BC17930	737683	WMWMILAP_1384
BC17931	737683	WMWMILAP_1384
BC18057	737683	WMWMILAP_1384
BC18058	737683	WMWMILAP_1384
BC18059	737683	WMWMILAP_1384
BC18060	737683	WMWMILAP_1384
BC18061	737683	WMWMILAP_1384
BC18062	737683	WMWMILAP_1384
BC18063	737684	WMWMILAP_1384

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:

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

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- x All calibration met criteria for the requested analyte.
- x 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.

- x A matrix spike and matrix spike duplicate were digested and analyzed with each analytical batch. All acceptance criteria for accuracy were met.
- x A matrix spike and matrix spike duplicate were digested and analyzed with each analytical batch. All acceptance criteria for precision were met.

7. All samples were analyzed without a dilution.

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Case Narrative

Total Dissolved Solids

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736154	WMWMILAP_1384
BC17210	736154	WMWMILAP_1384
BC17211	736154	WMWMILAP_1384
BC17212	736154	WMWMILAP_1384
BC17213	736154	WMWMILAP_1384
BC17214	736154	WMWMILAP_1384
BC17215	736154	WMWMILAP_1384
BC17467	736673	WMWMILAP_1384
BC17468	736673	WMWMILAP_1384
BC17469	736673	WMWMILAP_1384
BC17470	736673	WMWMILAP_1384
BC17471	736673	WMWMILAP_1384
BC17472	736673	WMWMILAP_1384
BC17473	736674	WMWMILAP_1384
BC17474	736674	WMWMILAP_1384
BC17475	736674	WMWMILAP_1384
BC17476	736674	WMWMILAP_1384
BC17477	736674	WMWMILAP_1384
BC17478	736674	WMWMILAP_1384
BC17479	736674	WMWMILAP_1384
BC17480	736674	WMWMILAP_1384
BC17481	736674	WMWMILAP_1384
BC17482	736674	WMWMILAP_1384
BC17483	736744	WMWMILAP_1384
BC17484	736744	WMWMILAP_1384
BC17485	736744	WMWMILAP_1384
BC17486	736744	WMWMILAP_1384
BC17487	736744	WMWMILAP_1384
BC17488	736744	WMWMILAP_1384
BC17489	736744	WMWMILAP_1384
BC17490	736744	WMWMILAP_1384

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BC17744	736745	WMWMILAP_1384
BC17745	736745	WMWMILAP_1384
BC17746	736745	WMWMILAP_1384
BC17747	736745	WMWMILAP_1384
BC17748	736745	WMWMILAP_1384
BC17749	736745	WMWMILAP_1384
BC17750	736745	WMWMILAP_1384
BC17751	736745	WMWMILAP_1384
BC17752	736745	WMWMILAP_1384
BC17753	736745	WMWMILAP_1384
BC17754	737062	WMWMILAP_1384
BC17755	737062	WMWMILAP_1384
BC17928	737062	WMWMILAP_1384
BC17929	737062	WMWMILAP_1384
BC17930	737062	WMWMILAP_1384
BC17931	737062	WMWMILAP_1384
BC18057	737492	WMWMILAP_1384
BC18058	737492	WMWMILAP_1384
BC18059	737492	WMWMILAP_1384
BC18060	737492	WMWMILAP_1384
BC18061	737492	WMWMILAP_1384
BC18062	737492	WMWMILAP_1384
BC18063	737493	WMWMILAP_1384

4. All of the above samples were prepared and analyzed by Standard Method 2540C
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:

- 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.
- • u ‰ o µ ‰ o] š Á • v o Ç Ì Á] š Z Z š Z U v Z W Á • G í ì 9 X
- 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:
  - BC17210
  - BC17215
  - BC17476
  - BC17755
  - BC18060
  - BC18061

Revision 5

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040

Case Narrative

Alkalinity

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	737155 & 737156	WMWMILAP_1384
BC17211	737155 & 737156	WMWMILAP_1384
BC17212	737155 & 737156	WMWMILAP_1384
BC17213	737155 & 737156	WMWMILAP_1384
BC17214	737155 & 737156	WMWMILAP_1384
BC17467	737719 & 737720	WMWMILAP_1384
BC17468	737719 & 737720	WMWMILAP_1384
BC17469	737719 & 737720	WMWMILAP_1384
BC17470	737719 & 737720	WMWMILAP_1384
BC17471	737828 & 737829	WMWMILAP_1384
BC17472	737828 & 737829	WMWMILAP_1384
BC17473	737828 & 737829	WMWMILAP_1384
BC17474	737828 & 737829	WMWMILAP_1384
BC17475	737828 & 737829	WMWMILAP_1384
BC17477	737719 & 737720	WMWMILAP_1384
BC17478	737828 & 737829	WMWMILAP_1384
BC17479	737828 & 737829	WMWMILAP_1384
BC17480	737828 & 737829	WMWMILAP_1384
BC17481	737828 & 737829	WMWMILAP_1384
BC17482	737828 & 737829	WMWMILAP_1384
BC17483	737828 & 737829	WMWMILAP_1384
BC17484	737828 & 737829	WMWMILAP_1384
BC17485	737828 & 737829	WMWMILAP_1384
BC17486	737828 & 737829	WMWMILAP_1384
BC17487	737828 & 737829	WMWMILAP_1384
BC17488	737828 & 737829	WMWMILAP_1384
BC17489	737828 & 737829	WMWMILAP_1384
BC17490	737828 & 737829	WMWMILAP_1384
BC17744	737916 & 737917	WMWMILAP_1384
BC17745	737916 & 737917	WMWMILAP_1384
BC17746	737916 & 737917	WMWMILAP_1384

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BC17747	737916 & 737917	WMWMILAP_1384
BC17748	737916 & 737917	WMWMILAP_1384
BC17749	737916 & 737917	WMWMILAP_1384
BC17750	737916 & 737917	WMWMILAP_1384
BC17751	737916 & 737917	WMWMILAP_1384
BC17752	737916 & 737917	WMWMILAP_1384
BC17753	737916 & 737917	WMWMILAP_1384
BC17754	737916 & 737917	WMWMILAP_1384
BC17928	738318 & 738319	WMWMILAP_1384
BC17929	738318 & 738319	WMWMILAP_1384
BC17930	738318 & 738319	WMWMILAP_1384
BC17931	738318 & 738319	WMWMILAP_1384
BC18057	738318 & 738319	WMWMILAP_1384
BC18058	738318 & 738319	WMWMILAP_1384
BC18059	738318 & 738319	WMWMILAP_1384
BC18062	738318 & 738319	WMWMILAP_1384
BC18063	738318 & 738319	WMWMILAP_1384

4. All of the above samples were analyzed and prepared by Standard Method 2320B
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:

- x An initial pH check was analyzed with each batch. The acceptance criteria were met.
- x A final pH check was analyzed with each batch. The acceptance criteria were met.
- x An alkalinity laboratory control sample was analyzed with each batch. Range criteria of within 10% of true value was met.
- x An alkalinity sample duplicate was analyzed with each batch. Precision criteria less than 10 RPD was met.

7. The following samples had pH>10 and/or TDS>500mg/L. Therefore, the calculations for carbonate and bicarbonate are estimates:

x BC17211	x BC17473	x BC17484	x BC17748
x BC17212	x BC17474	x BC17485	x BC17749
x BC17213	x BC17475	x BC17486	x BC17751
x BC17214	x BC17478	x BC17487	x BC17752
x BC17469	x BC17479	x BC17488	x BC17753
x BC17470	x BC17480	x BC17489	x BC17929
x BC17477	x BC17481	x BC17744	x BC17930
x BC17471	x BC17482	x BC17746	x BC17931
x BC17472	x BC17483	x BC17747	x BC18058

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- x BC18059
- x BC18062

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Anions

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736793, 736798, 737072	WMWMILAP_1384
BC17210	736793, 736798, 737072	WMWMILAP_1384
BC17211	736793, 736798, 737072	WMWMILAP_1384
BC17212	736793, 736798, 737072	WMWMILAP_1384
BC17213	736793, 736798, 737072	WMWMILAP_1384
BC17214	736793, 736798, 737072	WMWMILAP_1384
BC17215	736793, 736798, 737072	WMWMILAP_1384
BC17467	736793, 736798, 737072	WMWMILAP_1384
BC17468	736793, 736798, 737072	WMWMILAP_1384
BC17469	736793, 736798, 737072	WMWMILAP_1384
BC17470	736794, 736799, 737073	WMWMILAP_1384
BC17471	736794, 736799, 737073	WMWMILAP_1384
BC17472	736794, 736799, 737073	WMWMILAP_1384
BC17473	736794, 736799, 737073	WMWMILAP_1384
BC17474	736794, 736799, 737073	WMWMILAP_1384
BC17475	736794, 736799, 737073	WMWMILAP_1384
BC17476	736794, 736799, 737073	WMWMILAP_1384
BC17477	736794, 736799, 737073	WMWMILAP_1384
BC17478	736794, 736799, 737073	WMWMILAP_1384
BC17479	736794, 736799, 737073	WMWMILAP_1384
BC17480	736795, 736800, 737074	WMWMILAP_1384
BC17481	736795, 736800, 737074	WMWMILAP_1384
BC17482	736795, 736800, 737074	WMWMILAP_1384
BC17483	736795, 736800, 737074	WMWMILAP_1384
BC17484	736795, 736800, 737074	WMWMILAP_1384
BC17485	736795, 736800, 737074	WMWMILAP_1384
BC17486	736795, 736800, 737074	WMWMILAP_1384
BC17487	736795, 736800, 737074	WMWMILAP_1384
BC17488	736795, 736800, 737074	WMWMILAP_1384
BC17489	736795, 736800, 737074	WMWMILAP_1384
BC17490	736796, 736801, 737075	WMWMILAP_1384

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BC17744	736796, 736801, 737075	WMWMILAP_1384
BC17745	736796, 736801, 737075	WMWMILAP_1384
BC17746	736796, 736801, 737075	WMWMILAP_1384
BC17747	736796, 736801, 737075	WMWMILAP_1384
BC17748	736796, 736801, 737075	WMWMILAP_1384
BC17749	736796, 736801, 737075	WMWMILAP_1384
BC17750	736796, 736801, 737075	WMWMILAP_1384
BC17751	736796, 736801, 737075	WMWMILAP_1384
BC17752	736796, 736801, 737075	WMWMILAP_1384
BC17753	736797, 736802, 737076	WMWMILAP_1384
BC17754	736797, 736802, 737076	WMWMILAP_1384
BC17755	736797, 736802, 737076	WMWMILAP_1384
BC17928	738289, 738343, 738430	WMWMILAP_1384
BC17929	738289, 738343, 738430	WMWMILAP_1384
BC17930	738289, 738343, 738430	WMWMILAP_1384
BC17931	738289, 738343, 738430	WMWMILAP_1384
BC18057	738289, 738343, 738430	WMWMILAP_1384
BC18058	738289, 738343, 738430	WMWMILAP_1384
BC18059	738289, 738343, 738430	WMWMILAP_1384
BC18060	738289, 738343, 738430	WMWMILAP_1384
BC18061	738289, 738343, 738430	WMWMILAP_1384
BC18062	738289, 738343, 738430	WMWMILAP_1384
BC18063	738290, 738344, 738431	WMWMILAP_1384

4. All of the above samples were analyzed and prepared by SM4500 Cl E, SM4500 F C, and SM4500 SO4 E.
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:

- x All calibration met criteria for the requested analyte.
- x Prior to sample analysis, an initial calibration verification (ICV), and all criteria were met.
- x Prior to sample analysis, an initial calibration blank (ICB) was analyzed and was below half the limit of quantitation for the requested analyte.
- x All continued calibration verification (CCV) were within the acceptance criteria for the requested analyte.
- x All continued calibration blanks (CCB) were below the limit of quantitation for the requested analyte.

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- x 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 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.

- x A matrix spike and matrix spike duplicate were analyzed with each batch. All acceptance criteria for accuracy were met.
- x A matrix spike and matrix spike duplicate were analyzed with each batch. All acceptance criteria for precision were met.

7. The following samples were diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

Sample ID	Analyte	Dilution Factor
BC17209	Sulfate	4
BC17211	Chloride, Sulfate	25, 32
BC17212	Chloride, Sulfate	25, 16
BC17213	Chloride	160
BC17214	Chloride, Sulfate	160, 2
BC17467	Sulfate	16
BC17468	Sulfate	16
BC17469	Chloride, Sulfate	16, 16
BC17470	Sulfate	20
BC17471	Chloride, Sulfate	2, 32
BC17472	Chloride, Sulfate	2, 2
BC17473	Chloride, Sulfate	2, 32
BC17474	Chloride, Sulfate	8, 20
BC17475	Chloride, Sulfate	2, 16
BC17477	Sulfate	32
BC17478	Chloride, Sulfate	16, 10
BC17479	Chloride, Sulfate	25, 16
BC17480	Chloride, Sulfate	10, 32
BC17481	Chloride, Sulfate	4, 20
BC17482	Chloride, Sulfate	4, 20

BC17483	Sulfate	32
BC17484	Sulfate	32
BC17485	Chloride, Sulfate	8, 10
BC17486	Sulfate	25
BC17487	Sulfate	25
BC17488	Sulfate	20
BC17489	Sulfate	32
BC17490	Sulfate	4
BC17744	Chloride, Sulfate	3, 25
BC17746	Chloride, Sulfate	2, 32
BC17747	Chloride, Sulfate	3, 16
BC17748	Sulfate	16
BC17749	Chloride, Sulfate	200, 8
BC17750	Chloride	8
BC17751	Chloride, Sulfate	8, 10
BC17752	Sulfate	25
BC17753	Sulfate	32
BC17754	Sulfate	3
BC17928	Sulfate	4
BC17929	Sulfate	40
BC17930	Chloride, Sulfate	2, 32
BC17931	Sulfate	20
BC18057	Sulfate	8
BC18058	Sulfate	40
BC18059	Sulfate	32
BC18062	Chloride, Sulfate	4, 16

8. The raw data results are shown with dilution factors included.

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Case Narrative

Nitrate-Nitrite

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736164	WMWMILAP_1384
BC17210	736164	WMWMILAP_1384
BC17211	736164	WMWMILAP_1384
BC17212	736164	WMWMILAP_1384
BC17213	736164	WMWMILAP_1384
BC17214	736164	WMWMILAP_1384
BC17215	736164	WMWMILAP_1384
BC17467	736973	WMWMILAP_1384
BC17468	736973	WMWMILAP_1384
BC17469	736973	WMWMILAP_1384
BC17470	736973	WMWMILAP_1384
BC17471	736973	WMWMILAP_1384
BC17472	736973	WMWMILAP_1384
BC17473	736973	WMWMILAP_1384
BC17474	736973	WMWMILAP_1384
BC17475	736973	WMWMILAP_1384
BC17476	736973	WMWMILAP_1384
BC17477	736974	WMWMILAP_1384
BC17478	736974	WMWMILAP_1384
BC17479	736974	WMWMILAP_1384
BC17480	736974	WMWMILAP_1384
BC17481	736974	WMWMILAP_1384
BC17482	736974	WMWMILAP_1384
BC17483	736974	WMWMILAP_1384
BC17484	736974	WMWMILAP_1384
BC17485	736974	WMWMILAP_1384
BC17486	736974	WMWMILAP_1384
BC17487	736975	WMWMILAP_1384
BC17488	736975	WMWMILAP_1384
BC17489	736975	WMWMILAP_1384
BC17490	736975	WMWMILAP_1384

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BC17744	736975	WMWMILAP_1384
BC17745	736975	WMWMILAP_1384
BC17746	736975	WMWMILAP_1384
BC17747	736975	WMWMILAP_1384
BC17748	736975	WMWMILAP_1384
BC17749	736975	WMWMILAP_1384
BC17750	736976	WMWMILAP_1384
BC17751	736976	WMWMILAP_1384
BC17752	736976	WMWMILAP_1384
BC17753	736976	WMWMILAP_1384
BC17754	736976	WMWMILAP_1384
BC17755	736976	WMWMILAP_1384
BC17928	737546	WMWMILAP_1384
BC17929	737546	WMWMILAP_1384
BC17930	737546	WMWMILAP_1384
BC17931	737546	WMWMILAP_1384
BC18057	737546	WMWMILAP_1384
BC18058	737546	WMWMILAP_1384
BC18059	737546	WMWMILAP_1384
BC18060	737546	WMWMILAP_1384
BC18061	737546	WMWMILAP_1384
BC18062	737546	WMWMILAP_1384
BC18063	737547	WMWMILAP_1384

4. All of the above samples were prepared and analyzed for NO_x by EPA 353.2.
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:

- x Water baseline report was run and met criteria.
- x All calibration met criteria for the requested analytes.
- x Prior to sample analysis, an initial calibration verification (ICV) was analyzed and met all criteria.
- x All continued calibration verification (CCV) were within the acceptance criteria.
- x Prior to sample analysis, an initial calibration blank (ICB) was analyzed and were below limit of detection.
- x All continued calibration blanks (CCB) were below the limit of detection.

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Case Narrative

EPA 353.2 Specific QC:

- x Prior to sample analysis, Cadmium coil reduction efficiency check met criteria.
- x Matrix Specific QC:
  - o A sample duplicate was run and criteria for precision was met.
  - o A matrix spike was run and criteria for accuracy was met.

7. All samples were analyzed without a dilution factor.
8. The raw data results are shown with dilution factors included.

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Case Narrative

Total Organic Carbon

Miller Ash Pond

WMWMILAP_1384

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 meet NELAP traceability requirements and were used within their recommended shelf life.

Sample ID	Batch ID	Project ID
BC17209	736417	WMWMILAP_1384
BC17210	736417	WMWMILAP_1384
BC17211	736417	WMWMILAP_1384
BC17212	736417	WMWMILAP_1384
BC17213	736417	WMWMILAP_1384
BC17214	736417	WMWMILAP_1384
BC17215	736417	WMWMILAP_1384
BC17467	736927	WMWMILAP_1384
BC17468	736927	WMWMILAP_1384
BC17469	736927	WMWMILAP_1384
BC17470	736927	WMWMILAP_1384
BC17471	736927	WMWMILAP_1384
BC17472	736927	WMWMILAP_1384
BC17473	736927	WMWMILAP_1384
BC17474	736927	WMWMILAP_1384
BC17475	736927	WMWMILAP_1384
BC17476	736927	WMWMILAP_1384
BC17477	736928	WMWMILAP_1384
BC17478	736928	WMWMILAP_1384
BC17479	736928	WMWMILAP_1384
BC17480	736928	WMWMILAP_1384
BC17481	736928	WMWMILAP_1384
BC17482	736928	WMWMILAP_1384
BC17483	736928	WMWMILAP_1384
BC17484	736928	WMWMILAP_1384
BC17485	736928	WMWMILAP_1384
BC17486	736928	WMWMILAP_1384
BC17487	736929	WMWMILAP_1384
BC17488	736929	WMWMILAP_1384
BC17489	736929	WMWMILAP_1384
BC17490	736929	WMWMILAP_1384

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Case Narrative

BC17744	736929	WMWMILAP_1384
BC17745	736929	WMWMILAP_1384
BC17746	736929	WMWMILAP_1384
BC17747	736929	WMWMILAP_1384
BC17748	736929	WMWMILAP_1384
BC17749	736929	WMWMILAP_1384
BC17750	736930	WMWMILAP_1384
BC17751	736930	WMWMILAP_1384
BC17752	736930	WMWMILAP_1384
BC17753	736930	WMWMILAP_1384
BC17754	736930	WMWMILAP_1384
BC17755	736930	WMWMILAP_1384
BC17928	737748	WMWMILAP_1384
BC17929	737748	WMWMILAP_1384
BC17930	737748	WMWMILAP_1384
BC17931	737748	WMWMILAP_1384
BC18057	737748	WMWMILAP_1384
BC18058	737748	WMWMILAP_1384
BC18059	737748	WMWMILAP_1384
BC18060	737748	WMWMILAP_1384
BC18061	737748	WMWMILAP_1384
BC18062	737748	WMWMILAP_1384
BC18063	738274	WMWMILAP_1384

4. All of the above samples were prepared and analyzed by Standard Method 5310B
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:

- x All calibration criteria were met.
- x Prior to sample analysis, an initial calibration verification (ICV) was analyzed and met all criteria.
- x Prior to sample analysis, an initial calibration blank (ICB) was analyzed and was <1/2RL.
- x All continued calibration verifications (CCVs) were within the acceptance range.
- x All continued calibration blanks (CCBs) were <1/2RL.

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Matrix Specific Quality Control Procedures:

- x A matrix spike and matrix spike duplicate were analyzed with each batch. All acceptance criteria for accuracy were met.
- x A matrix spike and matrix spike duplicate were 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.

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ /
$UVHQLF 7RWDO		1RW 'HW PJ / 8
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		1RW 'HW PJ / 8
&REDOW 7RWDO		PJ / -
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		1RW 'HW PJ / 8
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		1RW 'HW PJ /	8
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		1RW 'HW PJ /	8
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &(6		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	
&DUERQDWH $ONDOLQLW\		PJ /	
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&& &KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&& 6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$OXPLQXP 'LVVROYHGPJ /	WR	WR	
%&	$OXPLQXP 7RWDO PJ /	WR	WR	
%&	$QWLPRQ\ 'LVVROYHGPJ /	WR	WR	
%&	$QWLPRQ\ 7RWDO PJ /	WR	WR	
%&	$UVHQLF 'LVVROYHG PJ /	WR	WR	
%&	$UVHQLF 7RWDO PJ /	WR	WR	
%&	%DULXP 'LVVROYHG PJ /	WR	WR	
%&	%DULXP 7RWDO PJ /	WR	WR	
%&	%HU\OOLXP 'LVVROYHPJ /	WR	WR	
%&	%HU\OOLXP 7RWDO PJ /	WR	WR	
%&	%RURQ 'LVVROYHG PJ /	WR	WR	
%&	%RURQ 7RWDO PJ /	WR	WR	
%&	&DGPLXP 'LVVROYHG PJ /	WR	WR	
%&	&DGPLXP 7RWDO PJ /	WR	WR	
%&	&DOFLXP 'LVVROYHG PJ /	WR	WR	
%&	&DOFLXP 7RWDO PJ /	WR	WR	
%&	&KORULGH PJ /	WR	WR	
%&	&KURPLXP 'LVVROYHGPJ /	WR	WR	
%&	&KURPLXP 7RWDO PJ /	WR	WR	
%&	&REDOW 'LVVROYHG PJ /	WR	WR	
%&	&REDOW 7RWDO PJ /	WR	WR	
%&	)OXRULGH PJ /	WR	WR	
%&	,URQ 'LVVROYHG PJ /	WR	WR	
%&	,URQ 7RWDO PJ /	WR	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0ł

0LOOHU $VK 3RQG)LHOG %ODQN

:0:0,/$3)%

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		1RW 'HW PJ / 8
&DOFLXP 7RWDO		1RW 'HW PJ / 8
,URQ 7RWDO		1RW 'HW PJ / 8
/LWKLXP 7RWDO		1RW 'HW PJ / 8
0DJQHVLXP 7RWDO		1RW 'HW PJ / 8
6LOLFD 7RWDO FDOF		1RW 'HW PJ /
6LOLFRQ 7RWDO		1RW 'HW PJ / 8
6RGLXP 7RWDO		1RW 'HW PJ / 8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		1RW 'HW PJ / 8
$UVHQLF 7RWDO		1RW 'HW PJ / 8
%DULXP 7RWDO		1RW 'HW PJ / 8
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		1RW 'HW PJ / 8
0RO\EGHQXP 7RWDO		1RW 'HW PJ / 8
3RWDVVLXP 7RWDO		1RW 'HW PJ / 8
6HOHQLXP 7RWDO		1RW 'HW PJ / 8
7KDOOLXP 7RWDO		1RW 'HW PJ / 8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%	
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ / 8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &(6	
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV 1 8
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-	
6ROLGV 'LVVROYHG		1RW 'HW PJ / 8

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG)LHOG %ODQN

:0:0,/$3)%

%&

$QDO\WLFDO 0HWKRG 60	%	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ			1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG 60	&O (	$QDO\VW -&&		
&KORULGH			1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG 60	) *	$QDO\VW -&&		
)OXRULGH			1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG 60	62 (	$QDO\VW -&&		
6XOIDWH			1RW 'HW PJ /	8

0LOOHU $VK 3RQG)LHOG %ODQN

%&

0LOOHU $VK 3RQG)LHOG %ODQN

%&

0LOOHU $VK 3RQG)LHOG %ODQN

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +5 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		PJ /	-
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +5 :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	-
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &(6		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	$
&DUERQDWH $ONDOLQLW\		PJ /	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +5

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG &KORULGH	60 &O (	$QDO\VW -&& PJ /
$QDO\WLFDO 0HWKRG)OXRULGH	60) *	$QDO\VW -&& PJ /
$QDO\WLFDO 0HWKRG 6XOIDWH	60 62 (	$QDO\VW -&& PJ /
$QDO\WLFDO 0HWKRG &RQGXFWLYLW\	)LHOG 0HD	$QDO\VW $:* X6 FP)$
S+		68)$
7HPSHUDWXUH		&)$
7XUELGLW\		178)$
6XOILGH		PJ /)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +5

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +5

%&

%&	/HDG 'LVVROYHG	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 'LVVROYHG	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/		WR	WR
%&	7KDOOLXP 7RWDO	PJ/		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +5

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0ł

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +$:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ / -
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ / -
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ / -
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		1RW 'HW PJ / 8
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +$

%&

$QDO\WLFDO 0HWKRG (3$ $QDO\VW '/-

$QDO\WLFDO 0HWKRG (3$ $QDO\VW &5%

$QDO\WLFDO 0HWKRG (3$ $QDO\VW &(6

$QDO\WLFDO 0HWKRG 60 % $QDO\VW $/+

$QDO\WLFDO 0HWKRG 60 & $QDO\VW &1-

$QDO\WLFDO 0HWKRG 60 &2 ' $QDO\VW $/+

PJ /

$QDO\WLFDO 0HWKRG 60 % $QDO\VW (/+

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +$:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&& &KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&& 6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:* &RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +$

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +$

%&

%&	/HDG 'LVVROYHG	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 'LVVROYHG	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/		WR	WR
%&	7KDOOLXP 7RWDO	PJ/		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +$

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0ł

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ / -
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		1RW 'HW PJ / 8
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	-
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &(6		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	$
&DUERQDWH $ONDOLQLW\		PJ /	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG &KORULGH	60 &O (	$QDO\VW -&&	PJ /
$QDO\WLFDO 0HWKRG)OXRULGH	60) *	$QDO\VW -&&	PJ /
$QDO\WLFDO 0HWKRG 6XOIDWH	60 62 (	$QDO\VW -&&	1RW 'HW PJ / 8
$QDO\WLFDO 0HWKRG &RQGXFWLYLW\	)LHOG 0HD	$QDO\VW 7-'	X6 FP)$
S+			68)$
7HPSHUDWXUH			&)$
7XUELGLW\			178)$
6XOILGH			PJ /)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0:

%&

0LOOHU $VK 3RQG 0:

%&

0LOOHU $VK 3RQG 0:

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: $:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ / 5$
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ / 5$
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ / 5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		1RW 'HW PJ / 8
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		PJ /
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: $:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	5$
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &(6		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	$
&DUERQDWH $ONDOLQLW\		PJ /	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: $

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&& &KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&& 6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-' &RQGXFWLYLW\	X6 FP	)$
	68	)$
S+	&	)$
7HPSHUDWXUH	178	)$
7XUELGLW\	PJ /	)$
6XOILGH		

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: $

%&

0LOOHU $VK 3RQG 0: $

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: $

%&

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG)LHOG %ODQN

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &(6	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-	

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG)LHOG %ODQN

:0:0,/$3)%

%&

$QDO\WLFDO 0HWKRG 60	%	$QDO\VW (/+			
7RWDO 2UJDQLF &DUERQ			1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60	&O (	$QDO\VW -&&			
&KORULGH				PJ /	
$QDO\WLFDO 0HWKRG 60	) *	$QDO\VW -&&			
)OXRULGH			1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60	62 (	$QDO\VW -&&			
6XOIDWH			1RW 'HW	PJ /	8

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG)LHOG %ODQN

%&

0LOOHU $VK 3RQG)LHOG %ODQN

%&

0LOOHU $VK 3RQG)LHOG %ODQN

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		1RW 'HW PJ /	8
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		1RW 'HW PJ /	8
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

%&

$QDO\WLFDO 0HWKRG (3$ $QDO\VW '/-

$QDO\WLFDO 0HWKRG (3$ $QDO\VW &5%

$QDO\WLFDO 0HWKRG (3$ $QDO\VW (/+

$QDO\WLFDO 0HWKRG 60 % $QDO\VW $/+

$QDO\WLFDO 0HWKRG 60 & $QDO\VW &1-

$QDO\WLFDO 0HWKRG 60 &2 ' $QDO\VW $/+

PJ /

$QDO\WLFDO 0HWKRG 60 % $QDO\VW (/+

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$OXPLQXP 'LVVROYHGPJ /	WR	WR	
%&	$OXPLQXP 7RWDO PJ /	WR	WR	
%&	$QWLPRQ\ 'LVVROYHGPJ /	WR	WR	
%&	$QWLPRQ\ 7RWDO PJ /	WR	WR	
%&	$UVHQLF 'LVVROYHG PJ /	WR	WR	
%&	$UVHQLF 7RWDO PJ /	WR	WR	
%&	%DULXP 'LVVROYHG PJ /	WR	WR	
%&	%DULXP 7RWDO PJ /	WR	WR	
%&	%HU\OOLXP 'LVVROYHPJ /	WR	WR	
%&	%HU\OOLXP 7RWDO PJ /	WR	WR	
%&	%RURQ 'LVVROYHG PJ /	WR	WR	
%&	%RURQ 7RWDO PJ /	WR	WR	
%&	&DGPLXP 'LVVROYHG PJ /	WR	WR	
%&	&DGPLXP 7RWDO PJ /	WR	WR	
%&	&DOFLXP 'LVVROYHG PJ /	WR	WR	
%&	&DOFLXP 7RWDO PJ /	WR	WR	
%&	&KORULGH PJ /	WR	WR	
%&	&KURPLXP 'LVVROYHGPJ /	WR	WR	
%&	&KURPLXP 7RWDO PJ /	WR	WR	
%&	&REDOW 'LVVROYHG PJ /	WR	WR	
%&	&REDOW 7RWDO PJ /	WR	WR	
%&	)OXRULGH PJ /	WR	WR	
%&	,URQ 'LVVROYHG PJ /	WR	WR	
%&	,URQ 7RWDO PJ /	WR	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0ł

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		1RW 'HW PJ /	8
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		1RW 'HW PJ /	8
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ /	
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	/HDG 'LVVROYHG	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 'LVVROYHG	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/		WR	WR
%&	7KDOOLXP 7RWDO	PJ/		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 6 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	-
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	-
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		PJ /	
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 6 :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		PJ /	
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	$
&DUERQDWH $ONDOLQLW\		PJ /	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 6

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 6

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 6

%&

%&	/HDG 'LVVROYHG	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 'LVVROYHG	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/		WR	WR
%&	7KDOOLXP 7RWDO	PJ/		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 6

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: ' :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ / -
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		PJ /
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ /	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&

$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&

$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&

$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '

%&

%&	/HDG 'LVVROYHG	PJ /		WR	WR
%&	/HDG 7RWDO	PJ /		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ /		WR	WR
%&	/LWKLXP 7RWDO	PJ /		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ /		WR	WR
%&	0DJQHVLXP 7RWDO	PJ /		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ /		WR	WR
%&	0DQJDQHVH 7RWDO	PJ /		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ /	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ /		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ /		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ /		WR	WR
%&	3RWDVVLXP 7RWDO	PJ /		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ /		WR	WR
%&	6HOHQLXP 7RWDO	PJ /		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ /		WR	WR
%&	6LOLFRQ 7RWDO	PJ /		WR	WR
%&	6RGLXP 'LVVROYHG	PJ /		WR	WR
%&	6RGLXP 7RWDO	PJ /		WR	WR
%&	6XOIDWH	PJ /		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ /		WR	WR
%&	7KDOOLXP 7RWDO	PJ /		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ /			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ / -
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		PJ /
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

% &

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

%&

%&

%&

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 3=

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		1RW 'HW PJ /	8
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		1RW 'HW PJ /	8
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		PJ /	
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	-
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 3=

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		PJ /	
$UVHQLF 'LVVROYHG		PJ /	-
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	-
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 3=

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 3=

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 3=

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 3=

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0:

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

0LOOHU $VK 3RQG 0:

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '5

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '5

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '5

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&			
&KORULGH		PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&			
)OXRULGH	1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&			
6XOIDWH		PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*			
&RQGXFWLYLW\		X6 FP	)$
S+		68	)$
7HPSHUDWXUH		&	)$
7XUELGLW\		178	)$
6XOILGH		PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '5

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '5

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '5

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$		
%RURQ 7RWDO		PJ /		
&DOFLXP 7RWDO		PJ /		
,URQ 7RWDO		PJ /		
/LWKLXP 7RWDO		PJ /		
0DJQHVLXP 7RWDO		PJ /		
6LOLFD 7RWDO FDOF		PJ /		
6LOLFRQ 7RWDO		PJ /		
6RGLXP 7RWDO		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%			
%RURQ 'LVVROYHG		PJ /		
&DOFLXP 'LVVROYHG		PJ /		
,URQ 'LVVROYHG		PJ /		
/LWKLXP 'LVVROYHG		PJ /		
0DJQHVLXP 'LVVROYHG		PJ /		
6LOLFD 'LVVROYHG FDOF		PJ /		
6LOLFRQ 'LVVROYHG		PJ /		
6RGLXP 'LVVROYHG		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$		
$QWLPRQ\ 7RWDO		1RW 'HW	PJ /	8
$OXPLQXP 7RWDO		1RW 'HW	PJ /	8
$UVHQLF 7RWDO			PJ /	
%DULXP 7RWDO			PJ /	
%HU\OOLXP 7RWDO		1RW 'HW	PJ /	8
&DGPLXP 7RWDO		1RW 'HW	PJ /	8
&KURPLXP 7RWDO		1RW 'HW	PJ /	8
&REDOW 7RWDO			PJ /	
/HDG 7RWDO		1RW 'HW	PJ /	8
0DQJDQHVH 7RWDO			PJ /	
0RO\EGHQXP 7RWDO			PJ /	
3RWDVVLXP 7RWDO			PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65 :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 65

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

%&

%&	/HDG 'LVVROYHG	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 'LVVROYHG	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/		WR	WR
%&	7KDOOLXP 7RWDO	PJ/		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG)LHOG %ODQN

:0:0,/$3)%

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		1RW 'HW PJ / 8
&DOFLXP 7RWDO		1RW 'HW PJ / 8
,URQ 7RWDO		1RW 'HW PJ / 8
/LWKLXP 7RWDO		1RW 'HW PJ / 8
0DJQHVLXP 7RWDO		1RW 'HW PJ / 8
6LOLFD 7RWDO FDOF		1RW 'HW PJ /
6LOLFRQ 7RWDO		1RW 'HW PJ / 8
6RGLXP 7RWDO		PJ / -
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		1RW 'HW PJ / 8
$UVHQLF 7RWDO		1RW 'HW PJ / 8
%DULXP 7RWDO		1RW 'HW PJ / 8
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		1RW 'HW PJ / 8
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ / -
0RO\EGHQXP 7RWDO		1RW 'HW PJ / 8
3RWDVVLXP 7RWDO		1RW 'HW PJ / 8
6HOHQLXP 7RWDO		1RW 'HW PJ / 8
7KDOOLXP 7RWDO		1RW 'HW PJ / 8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%	
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ / 8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+	
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV 1 8
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-	
6ROLGV 'LVVROYHG		1RW 'HW PJ / 8

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG)LHOG %ODQN

:0:0,/$3)%

%&

$QDO\WLFDO 0HWKRG 60	%	$QDO\VW (/+			
7RWDO 2UJDQLF &DUERQ			1RW 'HW PJ /		8
$QDO\WLFDO 0HWKRG 60	&O (	$QDO\VW -&&			
&KORULGH			1RW 'HW PJ /		8
$QDO\WLFDO 0HWKRG 60	) *	$QDO\VW -&&			
)OXRULGH			1RW 'HW PJ /		8
$QDO\WLFDO 0HWKRG 60	62 (	$QDO\VW -&&			
6XOIDWH			1RW 'HW PJ /		8

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3)%

0LOOHU $VK 3RQG)LHOG %ODQN

%&

%&	$OXPLQXP 7RWDO	PJ/		WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/		WR	WR
%&	$UVHQLF 7RWDO	PJ/		WR	WR
%&	%DULXP 7RWDO	PJ/		WR	WR
%&	%HU\OOLXP 7RWDO	PJ/		WR	WR
%&	%RURQ 7RWDO	PJ/		WR	WR
%&	&DGPLXP 7RWDO	PJ/		WR	WR
%&	&DOFLXP 7RWDO	PJ/		WR	WR
%&	&KORULGH	PJ/		WR	WR
%&	&KURPLXP 7RWDO	PJ/		WR	WR
%&	&REDOW 7RWDO	PJ/		WR	WR
%&	)OXRULGH	PJ/		WR	WR
%&	,URQ 7RWDO	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3)%

0LOOHU $VK 3RQG)LHOG %ODQN

%&

%&	7KDOOLXP 7RWDO	PJ /	WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ /		WR

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3)%

0LOOHU $VK 3RQG)LHOG %ODQN

%&

%&	1LWURJHQ 1LWUDWH :PJ / DV 1	WR	WR
%&	6RLGV 'LVVROYHG PJ /	WR	

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	-
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	-
&DOFLXP 'LVVROYHG		PJ /	5$
,URQ 'LVVROYHG		PJ /	5$
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	-
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ /	$
&DUERQDWH $ONDOLQLW\		PJ /	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0:

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

0LOOHU $VK 3RQG 0:

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

% &

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ / -
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ / -
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ / -
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		1RW 'HW PJ / 8
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

%&

$QDO\WLFDO 0HWKRG (3$ $QDO\VW '/-

$QDO\WLFDO 0HWKRG (3$ $QDO\VW &5%

$QDO\WLFDO 0HWKRG (3$ $QDO\VW (/+

$QDO\WLFDO 0HWKRG 60 % $QDO\VW $/+

$QDO\WLFDO 0HWKRG 60 & $QDO\VW &1-

$QDO\WLFDO 0HWKRG 60 &2 ' $QDO\VW $/+

PJ &D&2

PJ &D&2

$QDO\WLFDO 0HWKRG 60 % $QDO\VW (/+

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&& &KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&& 6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:* &RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	-
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	-
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		PJ /	-
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	-
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	-
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		PJ /	-
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	-
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	-
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	-
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	-
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$		
%RURQ 7RWDO		PJ /		-
&DOFLXP 7RWDO		PJ /		
,URQ 7RWDO		PJ /		
/LWKLXP 7RWDO		PJ /		
0DJQHVLXP 7RWDO		PJ /		
6LOLFD 7RWDO FDOF		PJ /		
6LOLFRQ 7RWDO		PJ /		
6RGLXP 7RWDO		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%			
%RURQ 'LVVROYHG		PJ /		-
&DOFLXP 'LVVROYHG		PJ /		
,URQ 'LVVROYHG		PJ /		
/LWKLXP 'LVVROYHG		PJ /		
0DJQHVLXP 'LVVROYHG		PJ /		
6LOLFD 'LVVROYHG FDOF		PJ /		
6LOLFRQ 'LVVROYHG		PJ /		
6RGLXP 'LVVROYHG		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$		
$QWLPRQ\ 7RWDO		1RW 'HW	PJ /	8
$OXPLQXP 7RWDO		1RW 'HW	PJ /	8
$UVHQLF 7RWDO			PJ /	
%DULXP 7RWDO			PJ /	
%HU\OOLXP 7RWDO		1RW 'HW	PJ /	8
&DGPLXP 7RWDO		1RW 'HW	PJ /	8
&KURPLXP 7RWDO			PJ /	-
&REDOW 7RWDO		1RW 'HW	PJ /	8
/HDG 7RWDO		1RW 'HW	PJ /	8
0DQJDQHVH 7RWDO			PJ /	
0RO\EGHQXP 7RWDO			PJ /	
3RWDVVLXP 7RWDO			PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	-
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: + 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: + 'XS

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	-
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	-
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	-
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		PJ /	-
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	-
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	-
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ / -
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ / -
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ /
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		PJ /
&DGPLXP 7RWDO		PJ /
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		PJ /
/HDG 7RWDO		PJ /
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ / -
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65 :0:0,/$3

%&

6HOHQLXP 7RWDO			PJ /	-
7KDOOLXP 7RWDO			PJ /	-
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-			
$QWLPRQ\ 'LVVROYHG		1RW 'HW	PJ /	8
$OXPLQXP 'LVVROYHG			PJ /	
$UVHQLF 'LVVROYHG			PJ /	
%DULXP 'LVVROYHG			PJ /	
%HU\OOLXP 'LVVROYHG			PJ /	
&DGPLXP 'LVVROYHG			PJ /	
&KURPLXP 'LVVROYHG			PJ /	-
&REDOW 'LVVROYHG			PJ /	
/HDG 'LVVROYHG			PJ /	-
0DQJDQHVH 'LVVROYHG			PJ /	
0RO\EGHQXP 'LVVROYHG			PJ /	-
3RWDVVLXP 'LVVROYHG			PJ /	
6HOHQLXP 'LVVROYHG			PJ /	-
7KDOOLXP 'LVVROYHG			PJ /	-
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%			
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+			
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW	PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+			
$ONDOLQLW\ WR S+			PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-			
6ROLGV 'LVVROYHG			PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+			
%LFDUERQDWH $ONDOLQL\			PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW	PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+			
7RWDO 2UJDQLF &DUERQ			PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 65

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65

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5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

%&

%&	/HDG 'LVVROYHG	PJ/		WR	WR
%&	/HDG 7RWDO	PJ/		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/		WR	WR
%&	/LWKLXP 7RWDO	PJ/		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/		WR	WR
%&	0DJQHVLXP 7RWDO	PJ/		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/		WR	WR
%&	0DQJDQHVH 7RWDO	PJ/		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/		WR	WR
%&	3RWDVVLXP 7RWDO	PJ/		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/		WR	WR
%&	6HOHQLXP 7RWDO	PJ/		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/		WR	WR
%&	6LOLFRQ 7RWDO	PJ/		WR	WR
%&	6RGLXP 'LVVROYHG	PJ/		WR	WR
%&	6RGLXP 7RWDO	PJ/		WR	WR
%&	6XOIDWH	PJ/		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/		WR	WR
%&	7KDOOLXP 7RWDO	PJ/		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 65

%&

%&

%&

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '5 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	-
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	-
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: '5 :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		PJ / DV :	
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: '5

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&& &KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&& 6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-' &RQGXFWLYLW\	X6 FP	)$
	68	)$
S+	&	)$
7HPSHUDWXUH	178	)$
7XUELGLW\	PJ /	)$
6XOILGH		

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '5

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '5

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: '5

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	5$
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	5$
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		PJ /	-
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	-
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	5$
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 'XS :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		PJ /	-
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 'XS

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 'XS

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0: 'XS

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&			
&KORULGH		PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&			
)OXRULGH	1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&			
6XOIDWH		PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'			
&RQGXFWLYLW\		X6 FP	)$
S+		68	)$
7HPSHUDWXUH		&	)$
7XUELGLW\		178	)$
6XOILGH		PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$		
%RURQ 7RWDO		PJ /		
&DOFLXP 7RWDO		PJ /		
,URQ 7RWDO		PJ /		
/LWKLXP 7RWDO		PJ /		
0DJQHVLXP 7RWDO		PJ /		
6LOLFD 7RWDO FDOF		PJ /		
6LOLFRQ 7RWDO		PJ /		
6RGLXP 7RWDO		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%			
%RURQ 'LVVROYHG		PJ /		
&DOFLXP 'LVVROYHG		PJ /		
,URQ 'LVVROYHG		PJ /		
/LWKLXP 'LVVROYHG		PJ /		
0DJQHVLXP 'LVVROYHG		PJ /		
6LOLFD 'LVVROYHG FDOF		PJ /		
6LOLFRQ 'LVVROYHG		PJ /		
6RGLXP 'LVVROYHG		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$		
$QWLPRQ\ 7RWDO		1RW 'HW	PJ /	8
$OXPLQXP 7RWDO		1RW 'HW	PJ /	8
$UVHQLF 7RWDO			PJ /	
%DULXP 7RWDO			PJ /	
%HU\OOLXP 7RWDO		1RW 'HW	PJ /	8
&DGPLXP 7RWDO		1RW 'HW	PJ /	8
&KURPLXP 7RWDO			PJ /	-
&REDOW 7RWDO			PJ /	
/HDG 7RWDO		1RW 'HW	PJ /	8
0DQJDQHVH 7RWDO			PJ /	
0RO\EGHQXP 7RWDO			PJ /	
3RWDVVLXP 7RWDO			PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 'XS :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 'XS :0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&			
&KORULGH		PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&			
)OXRULGH	1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&			
6XOIDWH		PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'			
&RQGXFWLYLW\		X6 FP	)$
S+		68	)$
7HPSHUDWXUH		&	)$
7XUELGLW\		178	)$
6XOILGH		PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 'XS

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 'XS

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0: 'XS

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR WR
%&	6ROLGV 'LVVROYHG	PJ /	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	5$
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	5$
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		PJ /	-
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		1RW 'HW PJ /	8
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		1RW 'HW PJ /	8
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0:

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&			
&KORULGH		PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&			
)OXRULGH	1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&			
6XOIDWH		PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*			
&RQGXFWLYLW\		X6 FP	)$
S+		68	)$
7HPSHUDWXUH		&	)$
7XUELGLW\		178	)$
6XOILGH		PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

:0:0,/$3

0LOOHU $VK 3RQG 0:

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		1RW 'HW PJ / 8
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		1RW 'HW PJ / 8
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		1RW 'HW PJ / 8
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		1RW 'HW PJ / 8
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		1RW 'HW PJ / 8
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		PJ /
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

%&

$QDO\WLFDO 0HWKRG (3$ $QDO\VW '/-

$QDO\WLFDO 0HWKRG (3$ $QDO\VW &5%

$QDO\WLFDO 0HWKRG (3$ $QDO\VW (/+

$QDO\WLFDO 0HWKRG 60 % $QDO\VW $/+

$QDO\WLFDO 0HWKRG 60 & $QDO\VW &1-

$QDO\WLFDO 0HWKRG 60 &2 ' $QDO\VW $/+

PJ &D&2

PJ &D&2

$QDO\WLFDO 0HWKRG 60 % $QDO\VW (/+

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

%&

0LOOHU $VK 3RQG 0: +

%&

0LOOHU $VK 3RQG 0: +

%&

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ /
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		PJ /
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

% &

:0:0,/$3

0LOOHU $VK 3RQG 0: +

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

%&

%&

%&

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +6 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		PJ /	
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +6 :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +6

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&			
&KORULGH		PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&			
)OXRULGH	1RW 'HW	PJ /	8
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&			
6XOIDWH		PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*			
&RQGXFWLYLW\		X6 FP	)$
S+		68	)$
7HPSHUDWXUH		&	)$
7XUELGLW\		178	)$
6XOILGH		PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +6

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +6

%&

%&	/HDG 'LVVROYHG	PJ /		WR	WR
%&	/HDG 7RWDO	PJ /		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ /		WR	WR
%&	/LWKLXP 7RWDO	PJ /		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ /		WR	WR
%&	0DJQHVLXP 7RWDO	PJ /		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ /		WR	WR
%&	0DQJDQHVH 7RWDO	PJ /		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ /	(	WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ /		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ /		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ /		WR	WR
%&	3RWDVVLXP 7RWDO	PJ /		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ /		WR	WR
%&	6HOHQLXP 7RWDO	PJ /		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ /		WR	WR
%&	6LOLFRQ 7RWDO	PJ /		WR	WR
%&	6RGLXP 'LVVROYHG	PJ /		WR	WR
%&	6RGLXP 7RWDO	PJ /		WR	WR
%&	6XOIDWH	PJ /		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ /		WR	WR
%&	7KDOOLXP 7RWDO	PJ /		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ /			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: +6

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ /
$UVHQLF 7RWDO		PJ / -
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		PJ /	-

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW '.*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: +

%&

0LOOHU $VK 3RQG 0: +

%&

0LOOHU $VK 3RQG 0: +

%&

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: ' :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$
%RURQ 7RWDO		PJ /
&DOFLXP 7RWDO		PJ /
,URQ 7RWDO		PJ /
/LWKLXP 7RWDO		PJ /
0DJQHVLXP 7RWDO		PJ /
6LOLFD 7RWDO FDOF		PJ /
6LOLFRQ 7RWDO		PJ /
6RGLXP 7RWDO		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	
%RURQ 'LVVROYHG		PJ /
&DOFLXP 'LVVROYHG		PJ /
,URQ 'LVVROYHG		PJ /
/LWKLXP 'LVVROYHG		PJ /
0DJQHVLXP 'LVVROYHG		PJ /
6LOLFD 'LVVROYHG FDOF		PJ /
6LOLFRQ 'LVVROYHG		PJ /
6RGLXP 'LVVROYHG		PJ /
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$
$QWLPRQ\ 7RWDO		1RW 'HW PJ / 8
$OXPLQXP 7RWDO		PJ / -
$UVHQLF 7RWDO		PJ /
%DULXP 7RWDO		PJ /
%HU\OOLXP 7RWDO		1RW 'HW PJ / 8
&DGPLXP 7RWDO		1RW 'HW PJ / 8
&KURPLXP 7RWDO		PJ / -
&REDOW 7RWDO		1RW 'HW PJ / 8
/HDG 7RWDO		1RW 'HW PJ / 8
0DQJDQHVH 7RWDO		PJ /
0RO\EGHQXP 7RWDO		PJ /
3RWDVVLXP 7RWDO		PJ /

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: ' :0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		PJ /	-
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		PJ / DV :	-
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: '

%&

%&

%&

:0:0,/$3

0LOOHU $VK 3RQG 0: '

%&

%&	/HDG 'LVVROYHG	PJ/			WR	WR
%&	/HDG 7RWDO	PJ/			WR	WR
%&	/LWKLXP 'LVVROYHG	PJ/			WR	WR
%&	/LWKLXP 7RWDO	PJ/			WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ/			WR	WR
%&	0DJQHVLXP 7RWDO	PJ/			WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ/			WR	WR
%&	0DQJDQHVH 7RWDO	PJ/			WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ/	(		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ/			WR	WR
%&	0RO\EGHQXP 7RWDO	PJ/			WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ/			WR	WR
%&	3RWDVVLXP 7RWDO	PJ/			WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ/			WR	WR
%&	6HOHQLXP 7RWDO	PJ/			WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ/			WR	WR
%&	6LOLFRQ 7RWDO	PJ/			WR	WR
%&	6RGLXP 'LVVROYHG	PJ/			WR	WR
%&	6RGLXP 7RWDO	PJ/			WR	WR
%&	6XOIDWH	PJ/			WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ/			WR	WR
%&	7KDOOLXP 7RWDO	PJ/			WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ/				WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: '

%&

%&

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: , :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	-
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	-
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		PJ /	
$UVHQLF 7RWDO		PJ /	-
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		1RW 'HW PJ /	8
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: ,

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		PJ /	
$UVHQLF 'LVVROYHG		PJ /	-
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		PJ /	-
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		PJ / DV :	
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	
&DUERQDWH $ONDOLQLW\		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: ,

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&& &KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&)OXRULGH	PJ /	
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&& 6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:* &RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: ,

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: ,

%&

%&	/HDG 'LVVROYHG	PJ /		WR	WR
%&	/HDG 7RWDO	PJ /		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ /		WR	WR
%&	/LWKLXP 7RWDO	PJ /		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ /		WR	WR
%&	0DJQHVLXP 7RWDO	PJ /		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ /		WR	WR
%&	0DQJDQHVH 7RWDO	PJ /		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ /		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ /		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ /		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ /		WR	WR
%&	3RWDVVLXP 7RWDO	PJ /		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ /		WR	WR
%&	6HOHQLXP 7RWDO	PJ /		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ /		WR	WR
%&	6LOLFRQ 7RWDO	PJ /		WR	WR
%&	6RGLXP 'LVVROYHG	PJ /		WR	WR
%&	6RGLXP 7RWDO	PJ /		WR	WR
%&	6XOIDWH	PJ /		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ /		WR	WR
%&	7KDOOLXP 7RWDO	PJ /		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ /			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: ,

%&

%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 6

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$		
%RURQ 7RWDO		PJ /		-
&DOFLXP 7RWDO		PJ /		
,URQ 7RWDO		PJ /		
/LWKLXP 7RWDO		PJ /		
0DJQHVLXP 7RWDO		PJ /		
6LOLFD 7RWDO FDOF		PJ /		
6LOLFRQ 7RWDO		PJ /		
6RGLXP 7RWDO		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%			
%RURQ 'LVVROYHG		PJ /		-
&DOFLXP 'LVVROYHG		PJ /		
,URQ 'LVVROYHG		PJ /		
/LWKLXP 'LVVROYHG		PJ /		
0DJQHVLXP 'LVVROYHG		PJ /		
6LOLFD 'LVVROYHG FDOF		PJ /		
6LOLFRQ 'LVVROYHG		PJ /		
6RGLXP 'LVVROYHG		PJ /		
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$		
$QWLPRQ\ 7RWDO		1RW 'HW	PJ /	8
$OXPLQXP 7RWDO		1RW 'HW	PJ /	8
$UVHQLF 7RWDO			PJ /	
%DULXP 7RWDO			PJ /	
%HU\OOLXP 7RWDO		1RW 'HW	PJ /	8
&DGPLXP 7RWDO		1RW 'HW	PJ /	8
&KURPLXP 7RWDO			PJ /	-
&REDOW 7RWDO		1RW 'HW	PJ /	8
/HDG 7RWDO		1RW 'HW	PJ /	8
0DQJDQHVH 7RWDO			PJ /	
0RO\EGHQXP 7RWDO			PJ /	
3RWDVVLXP 7RWDO			PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 6

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		1RW 'HW PJ /	8
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

0LOOHU $VK 3RQG 0: 6

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW $:*		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 6

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0LOOHU $VK 3RQG 0: 6

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%&	/HDG 'LVVROYHG	PJ /		WR	WR
%&	/HDG 7RWDO	PJ /		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ /		WR	WR
%&	/LWKLXP 7RWDO	PJ /		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ /		WR	WR
%&	0DJQHVLXP 7RWDO	PJ /		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ /		WR	WR
%&	0DQJDQHVH 7RWDO	PJ /		WR	WR
%&	0HUFXU\ 7RWDO E\ &	PJ /		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ /		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ /		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ /		WR	WR
%&	3RWDVVLXP 7RWDO	PJ /		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ /		WR	WR
%&	6HOHQLXP 7RWDO	PJ /		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ /		WR	WR
%&	6LOLFRQ 7RWDO	PJ /		WR	WR
%&	6RGLXP 'LVVROYHG	PJ /		WR	WR
%&	6RGLXP 7RWDO	PJ /		WR	WR
%&	6XOIDWH	PJ /		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ /		WR	WR
%&	7KDOOLXP 7RWDO	PJ /		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ /			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 6

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$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65 :0:0,/$3

%&

$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	-
&DOFLXP 7RWDO		PJ /	
,URQ 7RWDO		PJ /	
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	
6RGLXP 7RWDO		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	-
&DOFLXP 'LVVROYHG		PJ /	
,URQ 'LVVROYHG		PJ /	
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		1RW 'HW PJ /	8
&REDOW 7RWDO		PJ /	-
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: 65

:0:0,/$3

%&

6HOHQLXP 7RWDO		1RW 'HW PJ /	8
7KDOOLXP 7RWDO		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-		
$QWLPRQ\ 'LVVROYHG		1RW 'HW PJ /	8
$OXPLQXP 'LVVROYHG		1RW 'HW PJ /	8
$UVHQLF 'LVVROYHG		PJ /	
%DULXP 'LVVROYHG		PJ /	
%HU\OOLXP 'LVVROYHG		1RW 'HW PJ /	8
&DGPLXP 'LVVROYHG		1RW 'HW PJ /	8
&KURPLXP 'LVVROYHG		1RW 'HW PJ /	8
&REDOW 'LVVROYHG		PJ /	-
/HDG 'LVVROYHG		1RW 'HW PJ /	8
0DQJDQHVH 'LVVROYHG		PJ /	
0RO\EGHQXP 'LVVROYHG		PJ /	
3RWDVVLXP 'LVVROYHG		PJ /	
6HOHQLXP 'LVVROYHG		1RW 'HW PJ /	8
7KDOOLXP 'LVVROYHG		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW &5%		
0HUFXU\ 7RWDO E\ &9$$		1RW 'HW PJ /	8
$QDO\WLFDO 0HWKRG (3$	$QDO\VW (/+		
1LWURJHQ 1LWUDWH 1LW\		1RW 'HW PJ / DV :	8
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW $/+		
$ONDOLQLW\ WR S+		PJ &D&2	
$QDO\WLFDO 0HWKRG 60 &	$QDO\VW &1-		
6ROLGV 'LVVROYHG		PJ /	
$QDO\WLFDO 0HWKRG 60 &2 '	$QDO\VW $/+		
%LFDUERQDWH $ONDOLQLW\		PJ &D&2	$
&DUERQDWH $ONDOLQLW\		1RW 'HW PJ &D&2	$
$QDO\WLFDO 0HWKRG 60 %	$QDO\VW (/+		
7RWDO 2UJDQLF &DUERQ		1RW 'HW PJ /	8

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

0LOOHU $VK 3RQG 0: 65

:0:0,/$3

%&

$QDO\WLFDO 0HWKRG 60 &O ($QDO\VW -&&		
&KORULGH	PJ /	
$QDO\WLFDO 0HWKRG 60) * $QDO\VW -&&		
)OXRULGH	PJ /	-
$QDO\WLFDO 0HWKRG 60 62 ($QDO\VW -&&		
6XOIDWH	PJ /	
$QDO\WLFDO 0HWKRG)LHOG 0HD $QDO\VW 7-'		
&RQGXFWLYLW\	X6 FP	)$
S+	68	)$
7HPSHUDWXUH	&	)$
7XUELGLW\	178	)$
6XOILGH	PJ /	)$

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

%&

%&	$OXPLQXP 'LVVROYHG	PJ/	WR	WR
%&	$OXPLQXP 7RWDO	PJ/	WR	WR
%&	$QWLPRQ\ 'LVVROYHG	PJ/	WR	WR
%&	$QWLPRQ\ 7RWDO	PJ/	WR	WR
%&	$UVHQLF 'LVVROYHG	PJ/	WR	WR
%&	$UVHQLF 7RWDO	PJ/	WR	WR
%&	%DULXP 'LVVROYHG	PJ/	WR	WR
%&	%DULXP 7RWDO	PJ/	WR	WR
%&	%HU\OOLXP 'LVVROYH	PJ/	WR	WR
%&	%HU\OOLXP 7RWDO	PJ/	WR	WR
%&	%RURQ 'LVVROYHG	PJ/	WR	WR
%&	%RURQ 7RWDO	PJ/	WR	WR
%&	&DGPLXP 'LVVROYHG	PJ/	WR	WR
%&	&DGPLXP 7RWDO	PJ/	WR	WR
%&	&DOFLXP 'LVVROYHG	PJ/	WR	WR
%&	&DOFLXP 7RWDO	PJ/	WR	WR
%&	&KORULGH	PJ/	WR	WR
%&	&KURPLXP 'LVVROYHG	PJ/	WR	WR
%&	&KURPLXP 7RWDO	PJ/	WR	WR
%&	&REDOW 'LVVROYHG	PJ/	WR	WR
%&	&REDOW 7RWDO	PJ/	WR	WR
%&	)OXRULGH	PJ/	WR	WR
%&	,URQ 'LVVROYHG	PJ/	WR	WR
%&	,URQ 7RWDO	PJ/	WR	WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

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%&	/HDG 'LVVROYHG	PJ /		WR	WR
%&	/HDG 7RWDO	PJ /		WR	WR
%&	/LWKLXP 'LVVROYHG	PJ /		WR	WR
%&	/LWKLXP 7RWDO	PJ /		WR	WR
%&	0DJQHVLXP 'LVVROYH	PJ /		WR	WR
%&	0DJQHVLXP 7RWDO	PJ /		WR	WR
%&	0DQJDQHVH 'LVVROYH	PJ /		WR	WR
%&	0DQJDQHVH 7RWDO	PJ /		WR	WR
%&	0HUFXU\ 7RWDO E\ &9	PJ /		WR	WR
%&	0RO\EGHQXP 'LVVROY	PJ /		WR	WR
%&	0RO\EGHQXP 7RWDO	PJ /		WR	WR
%&	3RWDVVLXP 'LVVROYH	PJ /		WR	WR
%&	3RWDVVLXP 7RWDO	PJ /		WR	WR
%&	6HOHQLXP 'LVVROYHG	PJ /		WR	WR
%&	6HOHQLXP 7RWDO	PJ /		WR	WR
%&	6LOLFRQ 'LVVROYHG	PJ /		WR	WR
%&	6LOLFRQ 7RWDO	PJ /		WR	WR
%&	6RGLXP 'LVVROYHG	PJ /		WR	WR
%&	6RGLXP 7RWDO	PJ /		WR	WR
%&	6XOIDWH	PJ /		WR	WR
%&	7KDOOLXP 'LVVROYHG	PJ /		WR	WR
%&	7KDOOLXP 7RWDO	PJ /		WR	WR
%&	7RWDO 2UJDQLF &DUE	PJ /			WR

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

:0:0,/$3

0LOOHU $VK 3RQG 0: 65

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%&	$ONDOLQLW\ WR S+	PJ &D&2	WR	
%&	1LWURJHQ 1LWUDWH	PJ / DV 1	WR	WR
%&	6ROLGV 'LVVROYHG	PJ /	WR	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

0LOOHU $VK 3RQG 0: '5

:0:0,/$3

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$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%	3UHSDUDWLRQ 0HWKRG (3$	
%RURQ 7RWDO		PJ /	
&DOFLXP 7RWDO		PJ /	5$
,URQ 7RWDO		PJ /	5$
/LWKLXP 7RWDO		PJ /	
0DJQHVLXP 7RWDO		PJ /	5$
6LOLFD 7RWDO FDOF		PJ /	
6LOLFRQ 7RWDO		PJ /	5$
6RGLXP 7RWDO		PJ /	5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW $%%		
%RURQ 'LVVROYHG		PJ /	
&DOFLXP 'LVVROYHG		PJ /	5$
,URQ 'LVVROYHG		PJ /	5$
/LWKLXP 'LVVROYHG		PJ /	
0DJQHVLXP 'LVVROYHG		PJ /	5$
6LOLFD 'LVVROYHG FDOF		PJ /	
6LOLFRQ 'LVVROYHG		PJ /	
6RGLXP 'LVVROYHG		PJ /	5$
$QDO\WLFDO 0HWKRG (3$	$QDO\VW '/-	3UHSDUDWLRQ 0HWKRG (3$	
$QWLPRQ\ 7RWDO		1RW 'HW PJ /	8
$OXPLQXP 7RWDO		1RW 'HW PJ /	8
$UVHQLF 7RWDO		PJ /	
%DULXP 7RWDO		PJ /	
%HU\OOLXP 7RWDO		1RW 'HW PJ /	8
&DGPLXP 7RWDO		1RW 'HW PJ /	8
&KURPLXP 7RWDO		PJ /	-
&REDOW 7RWDO		PJ /	-
/HDG 7RWDO		1RW 'HW PJ /	8
0DQJDQHVH 7RWDO		PJ /	
0RO\EGHQXP 7RWDO		PJ /	
3RWDVVLXP 7RWDO		PJ /	

)LOWHUHG /&6 DQG 0% ZHUH QRW VXEPLWWHG RU DQDO\]HG ZLWK 'LVVROYHG 0H

5HSRUWHG
9HUVLRQ
&2$B&&5

$ODEDPD 3RZHU
*HQHUDO 7HVW /DERUDWRU\
&RXQW\ 5RDG *6&
&DOHUD $/

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&KURPLXP 'LVVROYHG 8
&REDOW 'LVVROYHG -
/HDG 'LVVROYHG 8
0DQJDQHVH 'LVVROYHG
0RO\EGHQXP 'LVVROYHG
3RWDVVLXP 'LVVROYHG
6HOHQLXP 'LVVROYHG 8
7KDOOLXP 'LVVROYHG 8

0HUFXU\ 7RWDO E\ &9$$ 8

1LWURJHQ 1LWUDWH 1LWUL -

5HSRUWHG
9HUVLRQ
&2$B&&5

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

October 24, 2022

Brooke Caton
Alabama Power
744 Highway 87
Calera, AL 35040

RE: Project: WMWMILAP_1384
Pace Project No.: 30526441

Dear Brooke Caton:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Blaine Denton, Alabama Power
Renee Jernigan, Alabama Power

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: WMWMILAP_1384
Pace Project No.: 30526441

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30526441001	**BC17216 MW-17H**	Water	09/14/22 11:01	10/03/22 10:45
30526441002	**BC17217 FB-1**	Water	09/14/22 09:15	10/03/22 10:45
30526441003	**BC17218 MW-36HR**	Water	09/14/22 10:10	10/03/22 10:45
30526441004	**BC17218 MW-36HR MS**	Water	09/14/22 10:10	10/03/22 10:45
30526441005	**BC17218 MW-36HR MSD**	Water	09/14/22 10:10	10/03/22 10:45
30526441006	**BC17219 MW-19HA**	Water	09/14/22 13:20	10/03/22 10:45
30526441007	**BC17220 MW-23**	Water	09/14/22 11:53	10/03/22 10:45
30526441008	**BC17221 MW-23A**	Water	09/14/22 14:10	10/03/22 10:45
30526441009	**BC17222 FB-2**	Water	09/14/22 15:15	10/03/22 10:45
30526441010	**BC17491 MW-35H**	Water	09/19/22 11:40	10/03/22 10:45
30526441011	**BC17492 MW-35H DUP**	Water	09/19/22 11:40	10/03/22 10:45
30526441012	**BC17493 MW-3S**	Water	09/19/22 13:07	10/03/22 10:45
30526441013	**BC17494 MW-3D**	Water	09/19/22 15:03	10/03/22 10:45
30526441014	**BC17495 MW-33H**	Water	09/20/22 08:22	10/03/22 10:45
30526441015	**BC17496 PZ-5**	Water	09/20/22 10:21	10/03/22 10:45
30526441016	**BC17497 MW-5**	Water	09/20/22 11:14	10/03/22 10:45
30526441017	**BC17497 MW-5 MS**	Water	09/20/22 11:14	10/03/22 10:45
30526441018	**BC17497 MW-5 MSD**	Water	09/20/22 11:14	10/03/22 10:45
30526441019	**BC17498 MW-7DR**	Water	09/20/22 12:38	10/03/22 10:45
30526441020	**BC17499 MW-7SR**	Water	09/20/22 13:27	10/03/22 10:45
30526441021	**BC17500 FB-4**	Water	09/19/22 12:55	10/03/22 10:45
30526441022	**BC17501 MW-1**	Water	09/19/22 13:33	10/03/22 10:45
30526441023	**BC17502 MW-34H**	Water	09/19/22 15:15	10/03/22 10:45
30526441024	**BC17503 MW-34H DUP**	Water	09/19/22 15:15	10/03/22 10:45
30526441025	**BC17504 MW-30H**	Water	09/19/22 17:37	10/03/22 10:45
30526441026	**BC17505 MW-31H**	Water	09/20/22 09:13	10/03/22 10:45
30526441027	**BC17506 MW-31H DUP**	Water	09/20/22 09:13	10/03/22 10:45
30526441028	**BC17507 MW-11**	Water	09/20/22 12:45	10/03/22 10:45
30526441029	**BC17508 MW-13SR**	Water	09/19/22 12:48	10/03/22 10:45
30526441030	**BC17509 MW-13DR**	Water	09/19/22 15:00	10/03/22 10:45
30526441031	**BC17510 MW-16**	Water	09/20/22 09:50	10/03/22 10:45
30526441032	**BC17511 MW-16 DUP**	Water	09/20/22 09:50	10/03/22 10:45
30526441033	**BC17512 MW-15**	Water	09/20/22 11:55	10/03/22 10:45
30526441034	**BC17513 MW-15 DUP**	Water	09/20/22 11:55	10/03/22 10:45
30526441035	**BC17514 MW-28H**	Water	09/20/22 13:25	10/03/22 10:45
30526441036	**BC17756 MW-6**	Water	09/21/22 09:00	10/03/22 10:45
30526441037	**BC17757 MW-32H**	Water	09/21/22 10:33	10/03/22 10:45

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30526441038	**BC17758 MW-20H**	Water	09/21/22 12:07	10/03/22 10:45
30526441039	**BC17759 MW-20HS**	Water	09/21/22 13:33	10/03/22 10:45
30526441040	**BC17760 MW-18H**	Water	09/21/22 15:18	10/03/22 10:45
30526441041	**BC17761 MW-22D**	Water	09/21/22 08:45	10/03/22 10:45
30526441042	**BC17762 MW-22I**	Water	09/21/22 11:02	10/03/22 10:45
30526441043	**BC17763 MW-22S**	Water	09/21/22 11:45	10/03/22 10:45
30526441044	**BC17764 MW-9SR**	Water	09/21/22 09:57	10/03/22 10:45
30526441045	**BC17764 MW-9SR MS**	Water	09/21/22 09:57	10/03/22 10:45
30526441046	**BC17764 MW-9SR MSD**	Water	09/21/22 09:57	10/03/22 10:45
30526441047	**BC17765 MW-9DR**	Water	09/21/22 11:53	10/03/22 10:45
30526441048	**BC17766 MW-27HR**	Water	09/21/22 13:35	10/03/22 10:45
30526441049	**BC17767 FB-3**	Water	09/21/22 14:45	10/03/22 10:45
30526441050	**BC17932 MW-14R**	Water	09/26/22 09:28	10/03/22 10:45
30526441051	**BC17933 MW-2**	Water	09/26/22 10:37	10/03/22 10:45
30526441052	**BC17934 MW-4V**	Water	09/26/22 13:15	10/03/22 10:45
30526441053	**BC17935 MW-4**	Water	09/26/22 14:12	10/03/22 10:45
30526441054	**BC18064 MW-21**	Water	09/26/22 09:45	10/03/22 10:45
30526441055	**BC18065 MW-10**	Water	09/26/22 12:18	10/03/22 10:45
30526441056	**BC18066 MW-12**	Water	09/26/22 15:20	10/03/22 10:45
30526441057	**BC18067 FB-5**	Water	09/27/22 12:00	10/03/22 10:45
30526441058	**BC18068 EB-1**	Water	09/27/22 12:15	10/03/22 10:45
30526441059	**BC18069 MW-6V**	Water	09/26/22 12:30	10/03/22 10:45
30526441060	**BC18070 MW-37H**	Water	09/27/22 11:25	10/03/22 10:45

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30526441001	BC17216 MW-17H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441002	BC17217 FB-1	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441003	BC17218 MW-36HR	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441004	BC17218 MW-36HR MS	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30526441005	BC17218 MW-36HR MSD	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30526441006	BC17219 MW-19HA	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441007	BC17220 MW-23	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441008	BC17221 MW-23A	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441009	BC17222 FB-2	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441010	BC17491 MW-35H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441011	BC17492 MW-35H DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441012	BC17493 MW-3S	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441013	BC17494 MW-3D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30526441014	**BC17495 MW-33H**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441015	**BC17496 PZ-5**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441016	**BC17497 MW-5**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441017	**BC17497 MW-5 MS**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30526441018	**BC17497 MW-5 MSD**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30526441019	**BC17498 MW-7DR**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441020	**BC17499 MW-7SR**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441021	**BC17500 FB-4**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441022	**BC17501 MW-1**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441023	**BC17502 MW-34H**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441024	**BC17503 MW-34H DUP**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441025	**BC17504 MW-30H**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441026	**BC17505 MW-31H**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30526441027	BC17506 MW-31H DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441028	BC17507 MW-11	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441029	BC17508 MW-13SR	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441030	BC17509 MW-13DR	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441031	BC17510 MW-16	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441032	BC17511 MW-16 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441033	BC17512 MW-15	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441034	BC17513 MW-15 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441035	BC17514 MW-28H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441036	BC17756 MW-6	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441037	BC17757 MW-32H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441038	BC17758 MW-20H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441039	BC17759 MW-20HS	EPA 9315	RMS	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441040	**BC17760 MW-18H**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441041	**BC17761 MW-22D**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441042	**BC17762 MW-22I**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441043	**BC17763 MW-22S**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441044	**BC17764 MW-9SR**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441045	**BC17764 MW-9SR MS**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30526441046	**BC17764 MW-9SR MSD**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30526441047	**BC17765 MW-9DR**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441048	**BC17766 MW-27HR**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441049	**BC17767 FB-3**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441050	**BC17932 MW-14R**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441051	**BC17933 MW-2**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441052	**BC17934 MW-4V**	EPA 9315	RMS	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441053	**BC17935 MW-4**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441054	**BC18064 MW-21**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441055	**BC18065 MW-10**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441056	**BC18066 MW-12**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441057	**BC18067 FB-5**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441058	**BC18068 EB-1**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441059	**BC18069 MW-6V**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30526441060	**BC18070 MW-37H**	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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PROJECT NARRATIVE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Method: **EPA 9315**
Description: 9315 Total Radium
Client: Alabama Power
Date: October 24, 2022

General Information:
60 samples were analyzed for EPA 9315 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Method: **EPA 9320**
Description: 9320 Radium 228
Client: Alabama Power
Date: October 24, 2022

General Information:
60 samples were analyzed for EPA 9320 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Method: **Total Radium Calculation**
Description: Total Radium 228+226
Client: Alabama Power
Date: October 24, 2022

General Information:
54 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17216 MW-17H **Lab ID: 30526441001** Collected: 09/14/22 11:01 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.287U ± 0.195 (0.309) C:90% T:NA**	pCi/L	10/23/22 10:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.443U ± 0.312 (0.593) C:72% T:95%**	pCi/L	10/14/22 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.730U ± 0.507 (0.902)**	pCi/L	10/24/22 13:59	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17217 FB-1 **Lab ID: 30526441002** Collected: 09/14/22 09:15 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.260U ± 0.220 (0.398) C:95% T:NA**	pCi/L	10/23/22 10:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.771 ± 0.391 (0.658) C:69% T:91%**	pCi/L	10/14/22 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.03U ± 0.611 (1.06)**	pCi/L	10/24/22 13:59	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17218 MW-36HR **Lab ID: 30526441003** Collected: 09/14/22 10:10 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.227U ± 0.215 (0.421) C:94% T:NA**	pCi/L	10/23/22 10:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.521U ± 0.418 (0.820) C:56% T:87%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.748U ± 0.633 (1.24)**	pCi/L	10/24/22 13:59	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17218 MW-36HR MS **Lab ID: 30526441004** Collected: 09/14/22 10:10 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**95.30 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/24/22 08:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**86.93 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/14/22 11:57	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17218 MW-36HR MSD **Lab ID: 30526441005** Collected: 09/14/22 10:10 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**103.18 %REC 7.94RPD ± NA (NA) C:NA T:NA**	pCi/L	10/23/22 10:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**92.17 %REC 5.85 RPD ± NA (NA) C:NA T:NA**	pCi/L	10/14/22 11:57	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17219 MW-19HA **Lab ID: 30526441006** Collected: 09/14/22 13:20 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0435U ± 0.127 (0.312) C:96% T:NA**	pCi/L	10/23/22 10:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.250U ± 0.350 (0.751) C:72% T:91%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.294U ± 0.477 (1.06)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17220 MW-23 **Lab ID: 30526441007** Collected: 09/14/22 11:53 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**4.14 ± 0.882 (0.382) C:101% T:NA**	pCi/L	10/23/22 10:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**2.06 ± 0.601 (0.685) C:70% T:91%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**6.20 ± 1.48 (1.07)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17221 MW-23A **Lab ID: 30526441008** Collected: 09/14/22 14:10 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.259U ± 0.190 (0.310) C:95% T:NA**	pCi/L	10/23/22 10:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.258U ± 0.348 (0.743) C:67% T:86%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.517U ± 0.538 (1.05)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17222 FB-2 **Lab ID: 30526441009** Collected: 09/14/22 15:15 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0698U ± 0.140 (0.325) C:95% T:NA**	pCi/L	10/23/22 10:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.559U ± 0.361 (0.675) C:72% T:90%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.629U ± 0.501 (1.000)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17491 MW-35H **Lab ID: 30526441010** Collected: 09/19/22 11:40 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0221U ± 0.0758 (0.254) C:91% T:NA**	pCi/L	10/23/22 10:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.386U ± 0.370 (0.757) C:67% T:91%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.386U ± 0.446 (1.01)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17492 MW-35H DUP **Lab ID: 30526441011** Collected: 09/19/22 11:40 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00131U ± 0.109 (0.306) C:93% T:NA**	pCi/L	10/23/22 10:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.453U ± 0.354 (0.697) C:74% T:87%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.454U ± 0.463 (1.00)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17493 MW-3S **Lab ID: 30526441012** Collected: 09/19/22 13:07 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.139U ± 0.139 (0.262) C:90% T:NA**	pCi/L	10/23/22 10:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.575U ± 0.408 (0.787) C:68% T:85%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.714U ± 0.547 (1.05)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17494 MW-3D **Lab ID: 30526441013** Collected: 09/19/22 15:03 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00828U ± 0.107 (0.307) C:90% T:NA**	pCi/L	10/23/22 10:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.804 ± 0.389 (0.647) C:70% T:89%**	pCi/L	10/14/22 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.804U ± 0.496 (0.954)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17495 MW-33H **Lab ID: 30526441014** Collected: 09/20/22 08:22 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.257U ± 0.174 (0.263) C:97% T:NA**	pCi/L	10/23/22 10:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.353U ± 0.404 (0.847) C:73% T:78%**	pCi/L	10/14/22 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.610U ± 0.578 (1.11)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17496 PZ-5 **Lab ID: 30526441015** Collected: 09/20/22 10:21 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00774U ± 0.132 (0.352) C:95% T:NA**	pCi/L	10/23/22 10:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.462U ± 0.304 (0.562) C:66% T:101%**	pCi/L	10/14/22 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.470U ± 0.436 (0.914)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17497 MW-5 **Lab ID: 30526441016** Collected: 09/20/22 11:14 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0882U ± 0.110 (0.218) C:96% T:NA**	pCi/L	10/23/22 10:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.626U ± 0.406 (0.754) C:65% T:89%**	pCi/L	10/14/22 15:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.714U ± 0.516 (0.972)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17497 MW-5 MS **Lab ID: 30526441017** Collected: 09/20/22 11:14 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 9315	**105.66 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/23/22 10:37	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 9320	**102.62 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/14/22 15:03	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17497 MW-5 MSD **Lab ID: 30526441018** Collected: 09/20/22 11:14 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**105.14 %REC 0.49RPD ± NA (NA) C:NA T:NA**	pCi/L	10/23/22 10:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**107.76 %REC 4.88 RPD ± NA (NA) C:NA T:NA**	pCi/L	10/14/22 15:03	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17498 MW-7DR **Lab ID: 30526441019** Collected: 09/20/22 12:38 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.156U ± 0.167 (0.329) C:91% T:NA**	pCi/L	10/23/22 10:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.716U ± 0.436 (0.804) C:64% T:85%**	pCi/L	10/14/22 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.872U ± 0.603 (1.13)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17499 MW-7SR **Lab ID: 30526441020** Collected: 09/20/22 13:27 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.229U ± 0.165 (0.267) C:94% T:NA**	pCi/L	10/23/22 10:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.216U ± 0.329 (0.710) C:69% T:92%**	pCi/L	10/14/22 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.445U ± 0.494 (0.977)**	pCi/L	10/24/22 13:59	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17500 FB-4 **Lab ID: 30526441021** Collected: 09/19/22 12:55 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0622U ± 0.120 (0.276) C:94% T:NA**	pCi/L	10/23/22 10:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.618U ± 0.372 (0.685) C:69% T:95%**	pCi/L	10/14/22 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.680U ± 0.492 (0.961)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17501 MW-1 **Lab ID: 30526441022** Collected: 09/19/22 13:33 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.419 ± 0.220 (0.289) C:95% T:NA**	pCi/L	10/23/22 10:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.514U ± 0.399 (0.779) C:63% T:87%**	pCi/L	10/14/22 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.933U ± 0.619 (1.07)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17502 MW-34H **Lab ID: 30526441023** Collected: 09/19/22 15:15 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.226U ± 0.196 (0.356) C:91% T:NA**	pCi/L	10/23/22 10:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.958 ± 0.497 (0.853) C:58% T:85%**	pCi/L	10/14/22 11:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.18U ± 0.693 (1.21)**	pCi/L	10/24/22 13:59	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17503 MW-34H DUP **Lab ID: 30526441024** Collected: 09/19/22 15:15 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.230U ± 0.179 (0.293) C:95% T:NA**	pCi/L	10/23/22 10:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.648U ± 0.433 (0.815) C:68% T:82%**	pCi/L	10/14/22 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.878U ± 0.612 (1.11)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17504 MW-30H **Lab ID: 30526441025** Collected: 09/19/22 17:37 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0913U ± 0.125 (0.262) C:96% T:NA**	pCi/L	10/23/22 10:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.665U ± 0.425 (0.790) C:69% T:84%**	pCi/L	10/14/22 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.756U ± 0.550 (1.05)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17505 MW-31H **Lab ID: 30526441026** Collected: 09/20/22 09:13 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0363U ± 0.107 (0.268) C:97% T:NA**	pCi/L	10/23/22 10:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.648U ± 0.419 (0.785) C:69% T:86%**	pCi/L	10/14/22 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.684U ± 0.526 (1.05)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17506 MW-31H DUP **Lab ID: 30526441027** Collected: 09/20/22 09:13 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0655U ± 0.0977 (0.206) C:97% T:NA**	pCi/L	10/23/22 10:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.196U ± 0.411 (0.908) C:74% T:78%**	pCi/L	10/14/22 15:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.262U ± 0.509 (1.11)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17507 MW-11 **Lab ID: 30526441028** Collected: 09/20/22 12:45 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.149U ± 0.131 (0.226) C:92% T:NA**	pCi/L	10/23/22 10:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.292U ± 0.355 (0.750) C:72% T:92%**	pCi/L	10/14/22 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.441U ± 0.486 (0.976)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17508 MW-13SR **Lab ID: 30526441029** Collected: 09/19/22 12:48 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.330 ± 0.198 (0.292) C:96% T:NA**	pCi/L	10/23/22 10:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.779U ± 0.459 (0.836) C:70% T:81%**	pCi/L	10/14/22 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.11U ± 0.657 (1.13)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17509 MW-13DR **Lab ID: 30526441030** Collected: 09/19/22 15:00 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0491U ± 0.139 (0.340) C:90% T:NA**	pCi/L	10/23/22 10:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.713U ± 0.424 (0.758) C:67% T:80%**	pCi/L	10/14/22 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.762U ± 0.563 (1.10)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17510 MW-16 **Lab ID: 30526441031** Collected: 09/20/22 09:50 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0259U ± 0.110 (0.325) C:96% T:NA**	pCi/L	10/23/22 10:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.392U ± 0.383 (0.785) C:70% T:86%**	pCi/L	10/14/22 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.392U ± 0.493 (1.11)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17511 MW-16 DUP **Lab ID: 30526441032** Collected: 09/20/22 09:50 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.165U ± 0.149 (0.272) C:96% T:NA**	pCi/L	10/23/22 10:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.483U ± 0.400 (0.796) C:70% T:88%**	pCi/L	10/14/22 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.648U ± 0.549 (1.07)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17512 MW-15 **Lab ID: 30526441033** Collected: 09/20/22 11:55 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.107U ± 0.138 (0.280) C:90% T:NA**	pCi/L	10/23/22 10:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.252U ± 0.341 (0.727) C:71% T:88%**	pCi/L	10/14/22 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.359U ± 0.479 (1.01)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17513 MW-15 DUP **Lab ID: 30526441034** Collected: 09/20/22 11:55 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.102U ± 0.132 (0.271) C:94% T:NA**	pCi/L	10/23/22 10:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.327U ± 0.342 (0.703) C:70% T:86%**	pCi/L	10/14/22 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.429U ± 0.474 (0.974)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17514 MW-28H **Lab ID: 30526441035** Collected: 09/20/22 13:25 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.179U ± 0.145 (0.241) C:87% T:NA**	pCi/L	10/23/22 10:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.697U ± 0.440 (0.829) C:72% T:87%**	pCi/L	10/14/22 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.876U ± 0.585 (1.07)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17756 MW-6 **Lab ID: 30526441036** Collected: 09/21/22 09:00 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0988U ± 0.127 (0.262) C:94% T:NA**	pCi/L	10/23/22 10:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.299U ± 0.397 (0.847) C:70% T:79%**	pCi/L	10/14/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.398U ± 0.524 (1.11)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17757 MW-32H **Lab ID: 30526441037** Collected: 09/21/22 10:33 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.176U ± 0.199 (0.416) C:92% T:NA**	pCi/L	10/23/22 10:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.922 ± 0.437 (0.734) C:68% T:97%**	pCi/L	10/14/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.10U ± 0.636 (1.15)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17758 MW-20H **Lab ID: 30526441038** Collected: 09/21/22 12:07 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00799U ± 0.136 (0.376) C:92% T:NA**	pCi/L	10/23/22 10:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**2.05 ± 0.630 (0.775) C:72% T:87%**	pCi/L	10/14/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.05 ± 0.766 (1.15)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17759 MW-20HS **Lab ID: 30526441039** Collected: 09/21/22 13:33 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.107U ± 0.141 (0.297) C:93% T:NA**	pCi/L	10/23/22 10:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.511U ± 0.403 (0.798) C:73% T:89%**	pCi/L	10/14/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.618U ± 0.544 (1.10)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17760 MW-18H **Lab ID: 30526441040** Collected: 09/21/22 15:18 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0111U ± 0.116 (0.335) C:94% T:NA**	pCi/L	10/23/22 10:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.46 ± 0.541 (0.766) C:64% T:91%**	pCi/L	10/14/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.46 ± 0.657 (1.10)**	pCi/L	10/24/22 13:57	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17761 MW-22D **Lab ID: 30526441041** Collected: 09/21/22 08:45 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.735 ± 0.294 (0.276) C:100% T:NA**	pCi/L	10/23/22 10:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.32 ± 0.516 (0.771) C:64% T:85%**	pCi/L	10/14/22 11:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.06 ± 0.810 (1.05)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17762 MW-22I **Lab ID: 30526441042** Collected: 09/21/22 11:02 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0381U ± 0.127 (0.397) C:95% T:NA**	pCi/L	10/23/22 10:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.13 ± 0.462 (0.679) C:63% T:84%**	pCi/L	10/14/22 11:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.13 ± 0.589 (1.08)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17763 MW-22S **Lab ID: 30526441043** Collected: 09/21/22 11:45 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.260 ± 0.163 (0.238) C:98% T:NA**	pCi/L	10/23/22 10:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.22 ± 0.474 (0.712) C:68% T:88%**	pCi/L	10/14/22 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.48 ± 0.637 (0.950)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17764 MW-9SR **Lab ID: 30526441044** Collected: 09/21/22 09:57 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0203U ± 0.105 (0.278) C:94% T:NA**	pCi/L	10/23/22 10:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.371U ± 0.376 (0.777) C:69% T:90%**	pCi/L	10/14/22 11:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.391U ± 0.481 (1.06)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17764 MW-9SR MS **Lab ID: 30526441045** Collected: 09/21/22 09:57 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**101.27 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/24/22 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**80.02 %REC ± NA (NA) C:NA T:NA**	pCi/L	10/14/22 15:03	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17764 MW-9SR MSD **Lab ID: 30526441046** Collected: 09/21/22 09:57 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**88.94 %REC 12.97RPD ± NA (NA) C:NA T:NA**	pCi/L	10/23/22 10:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**112.37 %REC 33.63 RPD ± NA (NA) C:NA T:NA**	pCi/L	10/14/22 15:04	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17765 MW-9DR **Lab ID: 30526441047** Collected: 09/21/22 11:53 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.335 ± 0.186 (0.254) C:94% T:NA**	pCi/L	10/23/22 10:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.909 ± 0.470 (0.811) C:63% T:87%**	pCi/L	10/14/22 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.24 ± 0.656 (1.07)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17766 MW-27HR **Lab ID: 30526441048** Collected: 09/21/22 13:35 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.314 ± 0.187 (0.271) C:93% T:NA**	pCi/L	10/23/22 10:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.678U ± 0.441 (0.831) C:65% T:86%**	pCi/L	10/14/22 15:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.992U ± 0.628 (1.10)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17767 FB-3 **Lab ID: 30526441049** Collected: 09/21/22 14:45 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0955U ± 0.124 (0.259) C:100% T:NA**	pCi/L	10/24/22 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.388U ± 0.388 (0.794) C:65% T:82%**	pCi/L	10/14/22 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.484U ± 0.512 (1.05)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17932 MW-14R **Lab ID: 30526441050** Collected: 09/26/22 09:28 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.144U ± 0.166 (0.335) C:89% T:NA**	pCi/L	10/24/22 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.860 ± 0.438 (0.755) C:68% T:90%**	pCi/L	10/14/22 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.00U ± 0.604 (1.09)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17933 MW-2 **Lab ID: 30526441051** Collected: 09/26/22 10:37 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0443U ± 0.113 (0.274) C:100% T:NA**	pCi/L	10/24/22 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.435U ± 0.384 (0.767) C:56% T:90%**	pCi/L	10/14/22 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.479U ± 0.497 (1.04)**	pCi/L	10/24/22 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17934 MW-4V **Lab ID: 30526441052** Collected: 09/26/22 13:15 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0560U ± 0.134 (0.319) C:98% T:NA**	pCi/L	10/24/22 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.981 ± 0.473 (0.798) C:63% T:89%**	pCi/L	10/14/22 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.04U ± 0.607 (1.12)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC17935 MW-4 **Lab ID: 30526441053** Collected: 09/26/22 14:12 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0440U ± 0.0925 (0.312) C:86% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.525U ± 0.379 (0.711) C:55% T:90%**	pCi/L	10/14/22 12:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.525U ± 0.472 (1.02)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18064 MW-21 **Lab ID: 30526441054** Collected: 09/26/22 09:45 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.575 ± 0.249 (0.304) C:95% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.652U ± 0.464 (0.883) C:56% T:83%**	pCi/L	10/14/22 12:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.23 ± 0.713 (1.19)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18065 MW-10 **Lab ID: 30526441055** Collected: 09/26/22 12:18 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.356 ± 0.210 (0.316) C:99% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.146U ± 0.387 (0.869) C:56% T:86%**	pCi/L	10/14/22 12:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.502U ± 0.597 (1.19)**	pCi/L	10/24/22 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18066 MW-12 **Lab ID: 30526441056** Collected: 09/26/22 15:20 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0809U ± 0.135 (0.303) C:96% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.539U ± 0.416 (0.813) C:62% T:87%**	pCi/L	10/14/22 12:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.620U ± 0.551 (1.12)**	pCi/L	10/24/22 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18067 FB-5 **Lab ID: 30526441057** Collected: 09/27/22 12:00 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0864U ± 0.124 (0.263) C:98% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.304U ± 0.405 (0.863) C:61% T:81%**	pCi/L	10/14/22 12:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.390U ± 0.529 (1.13)**	pCi/L	10/24/22 13:58	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18068 EB-1 **Lab ID: 30526441058** Collected: 09/27/22 12:15 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0458U ± 0.0955 (0.311) C:103% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.457U ± 0.459 (0.948) C:65% T:81%**	pCi/L	10/14/22 12:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.457U ± 0.555 (1.26)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18069 MW-6V **Lab ID: 30526441059** Collected: 09/26/22 12:30 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.331U ± 0.205 (0.332) C:97% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.519U ± 0.418 (0.827) C:59% T:91%**	pCi/L	10/14/22 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.850U ± 0.623 (1.16)**	pCi/L	10/24/22 13:58	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

Sample: BC18070 MW-37H **Lab ID: 30526441060** Collected: 09/27/22 11:25 Received: 10/03/22 10:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.173U ± 0.166 (0.321) C:91% T:NA**	pCi/L	10/24/22 09:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0802U ± 0.364 (0.833) C:59% T:90%**	pCi/L	10/14/22 12:44	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.253U ± 0.530 (1.15)**	pCi/L	10/24/22 13:58	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

QC Batch: 537255
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30526441001, 30526441002, 30526441003, 30526441004, 30526441005, 30526441006, 30526441007, 30526441008, 30526441009, 30526441010, 30526441011, 30526441012, 30526441013, 30526441014, 30526441015, 30526441019, 30526441020, 30526441021, 30526441022, 30526441023

METHOD BLANK: 2606772
Matrix: Water
Associated Lab Samples: 30526441001, 30526441002, 30526441003, 30526441004, 30526441005, 30526441006, 30526441007, 30526441008, 30526441009, 30526441010, 30526441011, 30526441012, 30526441013, 30526441014, 30526441015, 30526441019, 30526441020, 30526441021, 30526441022, 30526441023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.183 ± 0.338 (0.741) C:67% T:92%	pCi/L	10/14/22 11:57	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

QC Batch: 537262
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30526441041, 30526441042, 30526441043, 30526441044, 30526441045, 30526441046, 30526441047, 30526441048, 30526441049, 30526441050, 30526441051, 30526441052, 30526441053, 30526441054, 30526441055, 30526441056, 30526441057, 30526441058, 30526441059, 30526441060

METHOD BLANK: 2606793
Matrix: Water
Associated Lab Samples: 30526441041, 30526441042, 30526441043, 30526441044, 30526441045, 30526441046, 30526441047, 30526441048, 30526441049, 30526441050, 30526441051, 30526441052, 30526441053, 30526441054, 30526441055, 30526441056, 30526441057, 30526441058, 30526441059, 30526441060

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.774 ± 0.430 (0.756) C:65% T:80%	pCi/L	10/14/22 11:56	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

QC Batch: 537257
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30526441001, 30526441002, 30526441003, 30526441004, 30526441005, 30526441006, 30526441007, 30526441008, 30526441009, 30526441010, 30526441011, 30526441012, 30526441013, 30526441014, 30526441015, 30526441019, 30526441020, 30526441021, 30526441022, 30526441023

METHOD BLANK: 2606781
Matrix: Water
Associated Lab Samples: 30526441001, 30526441002, 30526441003, 30526441004, 30526441005, 30526441006, 30526441007, 30526441008, 30526441009, 30526441010, 30526441011, 30526441012, 30526441013, 30526441014, 30526441015, 30526441019, 30526441020, 30526441021, 30526441022, 30526441023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0710 ± 0.0921 (0.194) C:94% T:NA	pCi/L	10/23/22 10:32	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

QC Batch: 537259
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30526441016, 30526441017, 30526441018, 30526441024, 30526441025, 30526441026, 30526441027, 30526441028, 30526441029, 30526441030, 30526441031, 30526441032, 30526441033, 30526441034, 30526441035, 30526441036, 30526441037, 30526441038, 30526441039, 30526441040

METHOD BLANK: 2606791
Matrix: Water
Associated Lab Samples: 30526441016, 30526441017, 30526441018, 30526441024, 30526441025, 30526441026, 30526441027, 30526441028, 30526441029, 30526441030, 30526441031, 30526441032, 30526441033, 30526441034, 30526441035, 30526441036, 30526441037, 30526441038, 30526441039, 30526441040

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.256 ± 0.348 (0.743) C:71% T:92%	pCi/L	10/14/22 15:03	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

QC Batch: 537260
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30526441016, 30526441017, 30526441018, 30526441024, 30526441025, 30526441026, 30526441027, 30526441028, 30526441029, 30526441030, 30526441031, 30526441032, 30526441033, 30526441034, 30526441035, 30526441036, 30526441037, 30526441038, 30526441039, 30526441040

METHOD BLANK: 2606792
Matrix: Water
Associated Lab Samples: 30526441016, 30526441017, 30526441018, 30526441024, 30526441025, 30526441026, 30526441027, 30526441028, 30526441029, 30526441030, 30526441031, 30526441032, 30526441033, 30526441034, 30526441035, 30526441036, 30526441037, 30526441038, 30526441039, 30526441040

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0533 ± 0.0769 (0.165) C:94% T:NA	pCi/L	10/23/22 10:36	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWMILAP_1384
Pace Project No.: 30526441

QC Batch: 537264
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30526441041, 30526441042, 30526441043, 30526441044, 30526441045, 30526441046, 30526441047, 30526441048, 30526441049, 30526441050, 30526441051, 30526441052, 30526441053, 30526441054, 30526441055, 30526441056, 30526441057, 30526441058, 30526441059, 30526441060

METHOD BLANK: 2606798
Matrix: Water
Associated Lab Samples: 30526441041, 30526441042, 30526441043, 30526441044, 30526441045, 30526441046, 30526441047, 30526441048, 30526441049, 30526441050, 30526441051, 30526441052, 30526441053, 30526441054, 30526441055, 30526441056, 30526441057, 30526441058, 30526441059, 30526441060

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0953 ± 0.0862 (0.155) C:96% T:NA	pCi/L	10/23/22 10:41	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: WMWMILAP_1384
Pace Project No.: 30526441

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30526441001	**BC17216 MW-17H**	EPA 9315	537257		
30526441002	**BC17217 FB-1**	EPA 9315	537257		
30526441003	**BC17218 MW-36HR**	EPA 9315	537257		
30526441004	**BC17218 MW-36HR MS**	EPA 9315	537257		
30526441005	**BC17218 MW-36HR MSD**	EPA 9315	537257		
30526441006	**BC17219 MW-19HA**	EPA 9315	537257		
30526441007	**BC17220 MW-23**	EPA 9315	537257		
30526441008	**BC17221 MW-23A**	EPA 9315	537257		
30526441009	**BC17222 FB-2**	EPA 9315	537257		
30526441010	**BC17491 MW-35H**	EPA 9315	537257		
30526441011	**BC17492 MW-35H DUP**	EPA 9315	537257		
30526441012	**BC17493 MW-3S**	EPA 9315	537257		
30526441013	**BC17494 MW-3D**	EPA 9315	537257		
30526441014	**BC17495 MW-33H**	EPA 9315	537257		
30526441015	**BC17496 PZ-5**	EPA 9315	537257		
30526441016	**BC17497 MW-5**	EPA 9315	537260		
30526441017	**BC17497 MW-5 MS**	EPA 9315	537260		
30526441018	**BC17497 MW-5 MSD**	EPA 9315	537260		
30526441019	**BC17498 MW-7DR**	EPA 9315	537257		
30526441020	**BC17499 MW-7SR**	EPA 9315	537257		
30526441021	**BC17500 FB-4**	EPA 9315	537257		
30526441022	**BC17501 MW-1**	EPA 9315	537257		
30526441023	**BC17502 MW-34H**	EPA 9315	537257		
30526441024	**BC17503 MW-34H DUP**	EPA 9315	537260		
30526441025	**BC17504 MW-30H**	EPA 9315	537260		
30526441026	**BC17505 MW-31H**	EPA 9315	537260		
30526441027	**BC17506 MW-31H DUP**	EPA 9315	537260		
30526441028	**BC17507 MW-11**	EPA 9315	537260		
30526441029	**BC17508 MW-13SR**	EPA 9315	537260		
30526441030	**BC17509 MW-13DR**	EPA 9315	537260		
30526441031	**BC17510 MW-16**	EPA 9315	537260		
30526441032	**BC17511 MW-16 DUP**	EPA 9315	537260		
30526441033	**BC17512 MW-15**	EPA 9315	537260		
30526441034	**BC17513 MW-15 DUP**	EPA 9315	537260		
30526441035	**BC17514 MW-28H**	EPA 9315	537260		
30526441036	**BC17756 MW-6**	EPA 9315	537260		
30526441037	**BC17757 MW-32H**	EPA 9315	537260		
30526441038	**BC17758 MW-20H**	EPA 9315	537260		
30526441039	**BC17759 MW-20HS**	EPA 9315	537260		
30526441040	**BC17760 MW-18H**	EPA 9315	537260		
30526441041	**BC17761 MW-22D**	EPA 9315	537264		
30526441042	**BC17762 MW-22I**	EPA 9315	537264		
30526441043	**BC17763 MW-22S**	EPA 9315	537264		
30526441044	**BC17764 MW-9SR**	EPA 9315	537264		
30526441045	**BC17764 MW-9SR MS**	EPA 9315	537264		
30526441046	**BC17764 MW-9SR MSD**	EPA 9315	537264		
30526441047	**BC17765 MW-9DR**	EPA 9315	537264		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30526441048	BC17766 MW-27HR	EPA 9315	537264		
30526441049	BC17767 FB-3	EPA 9315	537264		
30526441050	BC17932 MW-14R	EPA 9315	537264		
30526441051	BC17933 MW-2	EPA 9315	537264		
30526441052	BC17934 MW-4V	EPA 9315	537264		
30526441053	BC17935 MW-4	EPA 9315	537264		
30526441054	BC18064 MW-21	EPA 9315	537264		
30526441055	BC18065 MW-10	EPA 9315	537264		
30526441056	BC18066 MW-12	EPA 9315	537264		
30526441057	BC18067 FB-5	EPA 9315	537264		
30526441058	BC18068 EB-1	EPA 9315	537264		
30526441059	BC18069 MW-6V	EPA 9315	537264		
30526441060	BC18070 MW-37H	EPA 9315	537264		
30526441001	BC17216 MW-17H	EPA 9320	537255		
30526441002	BC17217 FB-1	EPA 9320	537255		
30526441003	BC17218 MW-36HR	EPA 9320	537255		
30526441004	BC17218 MW-36HR MS	EPA 9320	537255		
30526441005	BC17218 MW-36HR MSD	EPA 9320	537255		
30526441006	BC17219 MW-19HA	EPA 9320	537255		
30526441007	BC17220 MW-23	EPA 9320	537255		
30526441008	BC17221 MW-23A	EPA 9320	537255		
30526441009	BC17222 FB-2	EPA 9320	537255		
30526441010	BC17491 MW-35H	EPA 9320	537255		
30526441011	BC17492 MW-35H DUP	EPA 9320	537255		
30526441012	BC17493 MW-3S	EPA 9320	537255		
30526441013	BC17494 MW-3D	EPA 9320	537255		
30526441014	BC17495 MW-33H	EPA 9320	537255		
30526441015	BC17496 PZ-5	EPA 9320	537255		
30526441016	BC17497 MW-5	EPA 9320	537259		
30526441017	BC17497 MW-5 MS	EPA 9320	537259		
30526441018	BC17497 MW-5 MSD	EPA 9320	537259		
30526441019	BC17498 MW-7DR	EPA 9320	537255		
30526441020	BC17499 MW-7SR	EPA 9320	537255		
30526441021	BC17500 FB-4	EPA 9320	537255		
30526441022	BC17501 MW-1	EPA 9320	537255		
30526441023	BC17502 MW-34H	EPA 9320	537255		
30526441024	BC17503 MW-34H DUP	EPA 9320	537259		
30526441025	BC17504 MW-30H	EPA 9320	537259		
30526441026	BC17505 MW-31H	EPA 9320	537259		
30526441027	BC17506 MW-31H DUP	EPA 9320	537259		
30526441028	BC17507 MW-11	EPA 9320	537259		
30526441029	BC17508 MW-13SR	EPA 9320	537259		
30526441030	BC17509 MW-13DR	EPA 9320	537259		
30526441031	BC17510 MW-16	EPA 9320	537259		
30526441032	BC17511 MW-16 DUP	EPA 9320	537259		
30526441033	BC17512 MW-15	EPA 9320	537259		
30526441034	BC17513 MW-15 DUP	EPA 9320	537259		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30526441035	BC17514 MW-28H	EPA 9320	537259		
30526441036	BC17756 MW-6	EPA 9320	537259		
30526441037	BC17757 MW-32H	EPA 9320	537259		
30526441038	BC17758 MW-20H	EPA 9320	537259		
30526441039	BC17759 MW-20HS	EPA 9320	537259		
30526441040	BC17760 MW-18H	EPA 9320	537259		
30526441041	BC17761 MW-22D	EPA 9320	537262		
30526441042	BC17762 MW-22I	EPA 9320	537262		
30526441043	BC17763 MW-22S	EPA 9320	537262		
30526441044	BC17764 MW-9SR	EPA 9320	537262		
30526441045	BC17764 MW-9SR MS	EPA 9320	537262		
30526441046	BC17764 MW-9SR MSD	EPA 9320	537262		
30526441047	BC17765 MW-9DR	EPA 9320	537262		
30526441048	BC17766 MW-27HR	EPA 9320	537262		
30526441049	BC17767 FB-3	EPA 9320	537262		
30526441050	BC17932 MW-14R	EPA 9320	537262		
30526441051	BC17933 MW-2	EPA 9320	537262		
30526441052	BC17934 MW-4V	EPA 9320	537262		
30526441053	BC17935 MW-4	EPA 9320	537262		
30526441054	BC18064 MW-21	EPA 9320	537262		
30526441055	BC18065 MW-10	EPA 9320	537262		
30526441056	BC18066 MW-12	EPA 9320	537262		
30526441057	BC18067 FB-5	EPA 9320	537262		
30526441058	BC18068 EB-1	EPA 9320	537262		
30526441059	BC18069 MW-6V	EPA 9320	537262		
30526441060	BC18070 MW-37H	EPA 9320	537262		
30526441001	BC17216 MW-17H	Total Radium Calculation	542030		
30526441002	BC17217 FB-1	Total Radium Calculation	542030		
30526441003	BC17218 MW-36HR	Total Radium Calculation	542030		
30526441006	BC17219 MW-19HA	Total Radium Calculation	542030		
30526441007	BC17220 MW-23	Total Radium Calculation	542030		
30526441008	BC17221 MW-23A	Total Radium Calculation	542030		
30526441009	BC17222 FB-2	Total Radium Calculation	542030		
30526441010	BC17491 MW-35H	Total Radium Calculation	542030		
30526441011	BC17492 MW-35H DUP	Total Radium Calculation	542030		
30526441012	BC17493 MW-3S	Total Radium Calculation	542030		
30526441013	BC17494 MW-3D	Total Radium Calculation	542030		
30526441014	BC17495 MW-33H	Total Radium Calculation	542030		
30526441015	BC17496 PZ-5	Total Radium Calculation	542030		
30526441016	BC17497 MW-5	Total Radium Calculation	542026		
30526441019	BC17498 MW-7DR	Total Radium Calculation	542030		
30526441020	BC17499 MW-7SR	Total Radium Calculation	542030		
30526441021	BC17500 FB-4	Total Radium Calculation	542030		
30526441022	BC17501 MW-1	Total Radium Calculation	542030		
30526441023	BC17502 MW-34H	Total Radium Calculation	542030		
30526441024	BC17503 MW-34H DUP	Total Radium Calculation	542026		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWMILAP_1384
Pace Project No.: 30526441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30526441025	**BC17504 MW-30H**	Total Radium Calculation	542026		
30526441026	**BC17505 MW-31H**	Total Radium Calculation	542026		
30526441027	**BC17506 MW-31H DUP**	Total Radium Calculation	542026		
30526441028	**BC17507 MW-11**	Total Radium Calculation	542026		
30526441029	**BC17508 MW-13SR**	Total Radium Calculation	542026		
30526441030	**BC17509 MW-13DR**	Total Radium Calculation	542026		
30526441031	**BC17510 MW-16**	Total Radium Calculation	542026		
30526441032	**BC17511 MW-16 DUP**	Total Radium Calculation	542026		
30526441033	**BC17512 MW-15**	Total Radium Calculation	542026		
30526441034	**BC17513 MW-15 DUP**	Total Radium Calculation	542026		
30526441035	**BC17514 MW-28H**	Total Radium Calculation	542026		
30526441036	**BC17756 MW-6**	Total Radium Calculation	542026		
30526441037	**BC17757 MW-32H**	Total Radium Calculation	542026		
30526441038	**BC17758 MW-20H**	Total Radium Calculation	542026		
30526441039	**BC17759 MW-20HS**	Total Radium Calculation	542026		
30526441040	**BC17760 MW-18H**	Total Radium Calculation	542026		
30526441041	**BC17761 MW-22D**	Total Radium Calculation	542028		
30526441042	**BC17762 MW-22I**	Total Radium Calculation	542028		
30526441043	**BC17763 MW-22S**	Total Radium Calculation	542028		
30526441044	**BC17764 MW-9SR**	Total Radium Calculation	542028		
30526441047	**BC17765 MW-9DR**	Total Radium Calculation	542028		
30526441048	**BC17766 MW-27HR**	Total Radium Calculation	542028		
30526441049	**BC17767 FB-3**	Total Radium Calculation	542028		
30526441050	**BC17932 MW-14R**	Total Radium Calculation	542028		
30526441051	**BC17933 MW-2**	Total Radium Calculation	542028		
30526441052	**BC17934 MW-4V**	Total Radium Calculation	542028		
30526441053	**BC17935 MW-4**	Total Radium Calculation	542028		
30526441054	**BC18064 MW-21**	Total Radium Calculation	542028		
30526441055	**BC18065 MW-10**	Total Radium Calculation	542028		
30526441056	**BC18066 MW-12**	Total Radium Calculation	542028		
30526441057	**BC18067 FB-5**	Total Radium Calculation	542028		
30526441058	**BC18068 EB-1**	Total Radium Calculation	542028		
30526441059	**BC18069 MW-6V**	Total Radium Calculation	542028		
30526441060	**BC18070 MW-37H**	Total Radium Calculation	542028		

WO# : 30526441

30526441

CHAIN-OF-CUSTODY / Analytical Request Documer

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

Section A — Required Client Information:

Company:	Alabama Power Company
Address:	744 Highway 87 GSC Bldg #8
	Calera, AL 35040
Email To:	rgarner@southernco.com
Phone:	205-664-6247 Fax:
Requested Due Date:	Normal

Section B — Required Project Information:

Report To:	Renee Jernigan
Copy To:	Brooke Caton & Blaine Denton
Purchase Order #:	APC10755638
Project Name:	Plant Miller Ash Pond
Project Number:	WMWMILAP_1384

Section C — Invoice Information:

Attention:	Renee Jernigan
Company Name:	Alabama Power Co.
Address:	744 Highway 87 GSC Bldg #8
Pace Quote:	CCR
Pace Project Manager:	Skyler Richmond
Pace Profile #:	16788

Regulatory Agency: —

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: NaOH+ZnAcetate	Preservatives: HNO3	Preservatives:	Preservatives:	Y/N	Analyses Test: EPA 9315	Analyses Test: EPA 9320	Analyses Test: Total Radium Sum	Analyses Test: Total Sulfide	Analyses Test:	Residual Chlorine (Y/N)	
1	BC17216	MW-17H	APCO-MR-AP-MW-17H	APCO_Miller_AshPond				GW	G	9/14/2022	11:01	1			X				X	X	X				001
2	BC17217	FB-1	APCO-MR-AP-FB-01	APCO_Miller_AshPond				GW	G	9/14/2022	9:15	1			X				X	X	X				002
3	BC17218	MW-36HR	APCO-MR-AP-MW-36HR	APCO_Miller_AshPond		X		GW	G	9/14/2022	10:10	3			X				X	X	X				003,004,005
4	BC17219	MW-19HA	APCO-MR-AP-MW-19HA	APCO_Miller_AshPond				GW	G	9/14/2022	13:20	1			X				X	X	X				006
5	BC17220	MW-23	APCO-MR-AP-MW-23	APCO_Miller_AshPond				GW	G	9/14/2022	11:53	1			X				X	X	X				007
6	BC17221	MW-23A	APCO-MR-AP-MW-23A	APCO_Miller_AshPond				GW	G	9/14/2022	14:10	1			X				X	X	X				008
7	BC17222	FB-2	APCO-MR-AP-FB-02	APCO_Miller_AshPond				GW	G	9/14/2022	15:15	1			X				X	X	X				009
8	BC17491	MW-35H	APCO-MR-AP-MW-35H	APCO_Miller_AshPond				GW	G	9/19/2022	11:40	1			X				X	X	X				010
9	BC17492	MW-35H DUP	APCO-MR-AP-MW-35H	APCO_Miller_AshPond	X			GW	G	9/19/2022	11:40	1			X				X	X	X				011
10	BC17493	MW-3S	APCO-MR-AP-MW-3S	APCO_Miller_AshPond				GW	G	9/19/2022	13:07	1			X				X	X	X				012
11	BC17494	MW-3D	APCO-MR-AP-MW-3D	APCO_Miller_AshPond				GW	G	9/19/2022	15:03	1			X				X	X	X				013
12	BC17495	MW-33H	APCO-MR-AP-MW-33H	APCO_Miller_AshPond				GW	G	9/20/2022	8:22	1			X				X	X	X				014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Renee Jernigan/ APC GTL	9/29/2022	9:00	[signature]	10/3/22	10:45	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry/Anthony Goggins/TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Renee Jernigan	Attention:	Renee Jernigan
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Blaine Denton	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	rgarner@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6247 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1384	Pace Profile #:	16788

Regulatory Agency:

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC17496	PZ-5	APCO-MR-AP-PZ-5	APCO_Miller_AshPond				GW	G	9/20/2022	10:21	1			X				X	X	X				015
2	BC17497	MW-5	APCO-MR-AP-MW-5	APCO_Miller_AshPond		X		GW	G	9/20/2022	11:14	3			X				X	X	X				016,017,018
3	BC17498	MW-7DR	APCO-MR-AP-MW-7DR	APCO_Miller_AshPond				GW	G	9/20/2022	12:38	1			X				X	X	X				019
4	BC17499	MW-7SR	APCO-MR-AP-MW-7SR	APCO_Miller_AshPond				GW	G	9/20/2022	13:27	1			X				X	X	X				020
5	BC17500	FB-4	APCO-MR-AP-FB-04	APCO_Miller_AshPond				GW	G	9/19/2022	12:55	1			X				X	X	X				021
6	BC17501	MW-1	APCO-MR-AP-MW-1	APCO_Miller_AshPond				GW	G	9/19/2022	13:33	1			X				X	X	X				022
7	BC17502	MW-34H	APCO-MR-AP-MW-34H	APCO_Miller_AshPond				GW	G	9/19/2022	15:15	1			X				X	X	X				023
8	BC17503	MW-34H DUP	APCO-MR-AP-MW-34H	APCO_Miller_AshPond	X			GW	G	9/19/2022	15:15	1			X				X	X	X				024
9	BC17504	MW-30H	APCO-MR-AP-MW-35H	APCO_Miller_AshPond				GW	G	9/19/2022	17:37	1			X				X	X	X				025
10	BC17505	MW-31H	APCO-MR-AP-MW-31H	APCO_Miller_AshPond				GW	G	9/20/2022	9:13	1			X				X	X	X				026
11	BC17506	MW-31H DUP	APCO-MR-AP-MW-31H	APCO_Miller_AshPond	X			GW	G	9/20/2022	9:13	1			X				X	X	X				027
12	BC17507	MW-11	APCO-MR-AP-MW-11	APCO_Miller_AshPond				GW	G	9/20/2022	12:45	1			X				X	X	X				028

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Renee Jernigan/ APC GTL	9/29/2022	9:00	[signature]	10/13/22	1045	

WO# : 30526441

PM: SCR Due Date: 10/24/22

CLIENT: ALABAMA PWR

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Dallas Gentry/Anthony Goggins/TJ Daugherty		1			
SIGNATURE of SAMPLER:		DATE Signed:				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Renee Jernigan	Attention:	Renee Jernigan
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Brooke Caton & Blaine Denton	Company Name:	Alabama Power Co.
				Address:	744 Highway 87 GSC Bldg #8
Email To:	rgarner@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6247 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1384	Pace Profile #:	16788

Regulatory Agency: —

State / Location: AL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Y/N	Analysis Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC17508	MW-13SR	APCO-MR-AP-MW-13SR	APCO_Miller_AshPond				GW	G	9/19/2022	12:48	1			X				X	X	X				029
2	BC17509	MW-13DR	APCO-MR-AP-MW-13DR	APCO_Miller_AshPond				GW	G	9/19/2022	15:00	1			X				X	X	X				030
3	BC17510	MW-16	APCO-MR-AP-MW-16	APCO_Miller_AshPond				GW	G	9/20/2022	9:50	1			X				X	X	X				031
4	BC17511	MW-16 DUP	APCO-MR-AP-MW-16	APCO_Miller_AshPond	X			GW	G	9/20/2022	9:50	1			X				X	X	X				032
5	BC17512	MW-15	APCO-MR-AP-MW-15	APCO_Miller_AshPond				GW	G	9/20/2022	11:55	1			X				X	X	X				033
6	BC17513	MW-15 DUP	APCO-MR-AP-MW-15	APCO_Miller_AshPond	X			GW	G	9/20/2022	11:55	1			X				X	X	X				034
7	BC17514	MW-28H	APCO-MR-AP-MW-28H	APCO_Miller_AshPond				GW	G	9/20/2022	13:25	1			X				X	X	X				035
8	BC17756	MW-6	APCO-MR-AP-MW-6	APCO_Miller_AshPond				GW	G	9/21/2022	9:00	1			X				X	X	X				036
9	BC17757	MW-32H	APCO-MR-AP-MW-32H	APCO_Miller_AshPond				GW	G	9/21/2022	10:33	1			X				X	X	X				037
10	BC17758	MW-20H	APCO-MR-AP-MW-20H	APCO_Miller_AshPond				GW	G	9/21/2022	12:07	1			X				X	X	X				038
11	BC17759	MW-20HS	APCO-MR-AP-MW-20HS	APCO_Miller_AshPond				GW	G	9/21/2022	13:33	1			X				X	X	X				039
12	BC17760	MW-18H	APCO-MR-AP-MW-18H	APCO_Miller_AshPond				GW	G	9/21/2022	15:18	1			X				X	X	X				040

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Renee Jernigan/ APC GTL	9/29/2022	9:00	[signature]	10/3/22	10:45	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry/Anthony Goggins/TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C: 1 | Received on Ice (Y/N): | Custody Sealed Cooler (Y/N): | Samples Intact (Y/N):

WO# 30526441

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Alabama Power Company	Report To:	Renee Jernigan	Attention:	Renee Jernigan
Address:	744 Highway 87 GSC Bldg #8	Copy To:	Brooke Caton & Blaine Denton	Company Name:	Alabama Power Co.
	Calera, AL 35040			Address:	744 Highway 87 GSC Bldg #8
Email To:	rgarner@southernco.com	Purchase Order #:	APC10755638	Pace Quote:	CCR
Phone:	205-664-6247 Fax:	Project Name:	Plant Miller Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	Normal	Project Number:	WMWMILAP_1384	Pace Profile #:	16788

Regulatory Agency: —

State / Location: AL

Requested Analyses Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Preservatives: Unpreserved	NaOH+ZnAcetate	HNO3			Y/N	Analyses Test: EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide		Residual Chlorine (Y/N)	
1	BC17761	MW-22D	APCO-MR-AP-MW-22D	APCO_Miller_AshPond				GW	G	9/21/2022	8:45	1			X				X	X	X				041
2	BC17762	MW-22I	APCO-MR-AP-MW-22I	APCO_Miller_AshPond				GW	G	9/21/2022	11:02	1			X				X	X	X				042
3	BC17763	MW-22S	APCO-MR-AP-MW-22S	APCO_Miller_AshPond				GW	G	9/21/2022	11:45	1			X				X	X	X				043
4	BC17764	MW-9SR	APCO-MR-AP-MW-9SR	APCO_Miller_AshPond		X		GW	G	9/21/2022	9:57	3			X				X	X	X				044,045,046
5	BC17765	MW-9DR	APCO-MR-AP-MW-9DR	APCO_Miller_AshPond				GW	G	9/21/2022	11:53	1			X				X	X	X				047
6	BC17766	MW-27HR	APCO-MR-AP-MW-27HR	APCO_Miller_AshPond				GW	G	9/21/2022	13:35	1			X				X	X	X				048
7	BC17767	FB-3	APCO-MR-AP-FB-03	APCO_Miller_AshPond				GW	G	9/21/2022	14:45	1			X				X	X	X				049
8	BC17932	MW-14R	APCO-MR-AP-MW-14R	APCO_Miller_AshPond				GW	G	9/26/2022	9:28	1			X				X	X	X				050
9	BC17933	MW-2	APCO-MR-AP-MW-2	APCO_Miller_AshPond				GW	G	9/26/2022	10:37	1			X				X	X	X				051
10	BC17934	MW-4V	APCO-MR-AP-MW-4V	APCO_Miller_AshPond				GW	G	9/26/2022	13:15	1			X				X	X	X				052
11	BC17935	MW-4	APCO-MR-AP-MW-4	APCO_Miller_AshPond				GW	G	9/26/2022	14:12	1			X				X	X	X				053
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Renee Jernigan/ APC GTL	9/29/2022	9:00	[signature]	10/3/22	10:45	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry/Anthony Goggins/TJ Daugherty

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1			

WO# 30526441

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company:	Alabama Power Company
Address:	744 Highway 87 GSC Bldg #8
	Calera, AL 35040
Email To:	rgarner@southernco.com
Phone:	205-664-6247 Fax:
Requested Due Date:	Normal

Section B
Required Project Information:

Report To:	Renee Jernigan
Copy To:	Brooke Caton & Blaine Denton
Purchase Order #:	APC10755638
Project Name:	Plant Miller Ash Pond
Project Number:	WMWMILAP 1384

Section C
Invoice Information:

Attention:	Renee Jernigan
Company Name:	Alabama Power Co.
Address:	744 Highway 87 GSC Bldg #8
Pace Quote:	CCR
Pace Project Manager:	Skyler Richmond
Pace Profile #:	16788

Regulatory Agency

State / Location
AL

Requested Analysis Filtered (Y/N)

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

ITEM #	SAMPLE ID	Description	Station Name Location_Code	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	# OF CONTAINERS	Unpreserved	NaOH+ZnAcetate	HNO3			Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Total Sulfide	Residual Chlorine (Y/N)	
1	BC18064	MW-21	APCO-MR-AP-MW-21	APCO_Miller_AshPond				GW	G	9/26/2022	9:45	1			X				X	X	X			054
2	BC18065	MW-10	APCO-MR-AP-MW-10	APCO_Miller_AshPond				GW	G	9/26/2022	12:18	1			X				X	X	X			055
3	BC18066	MW-12	APCO-MR-AP-MW-12	APCO_Miller_AshPond				GW	G	9/26/2022	15:20	1			X				X	X	X			056
4	BC18067	FB-5	APCO-MR-AP-FB-05	APCO_Miller_AshPond				GW	G	9/27/2022	12:00	1			X				X	X	X			057
5	BC18068	EB-1	APCO-MR-AP-EB-01	APCO_Miller_AshPond				GW	G	9/27/2022	12:15	1			X				X	X	X			058
6	BC18069	MW-6V	APCO-MR-AP-MW-6V	APCO_Miller_AshPond				GW	G	9/26/2022	12:30	1			X				X	X	X			059
7	BC18070	MW-37H	APCO-MR-AP-MW-37H	APCO_Miller_AshPond				GW	G	9/27/2022	11:25	1			X				X	X	X			060
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Renee Jernigan/ APC GTL	9/29/2022	9:00	[signature]	10/3/22	1045	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dallas Gentry/Anthony Goggins/TJ Daugherty

SIGNATURE of SAMPLER:

DATE Signed:

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

WO# 30526441

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Alabama Project #

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

Label PS
LIMS Login VP

Tracking #: 5870 1897 8135

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp °C Correction Factor: °C Final Temp: °C

Temp should be above freezing to 6°C

WO# 30526441

Comments:	Yes	No	N/A	pH paper Lot# 1000421 / Date and initials of person examining contents: PS 10/3/22
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT				5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. pH<2
All containers meet method preservation requirements.	✓			Initial when completed PS / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present		✓		
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: PS / Date: 10/3/22 / Survey Meter SN: 1563

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

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

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	RMS
Date:	10/10/2022
Worklist:	69174
Matrix:	DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2606781
MB concentration:	0.071
M/B Counting Uncertainty:	0.091
MB MDC:	0.194
MB Numerical Performance Indicator:	1.52
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS69174	LCSD69174
Count Date:	10/23/2022	10/23/2022
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.023	24.023
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.514
Target Conc. (pCi/L, g, F):	4.779	4.677
Uncertainty (Calculated):	0.057	0.056
Result (pCi/L, g, F):	4.442	4.843
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.455	0.475
Numerical Performance Indicator:	-1.44	0.68
Percent Recovery:	92.95%	103.55%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/14/2022	
Sample I.D.	30526441003	
Sample MS I.D.	30526441004	
Sample MSD I.D.	30526441005	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.024	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.295	
MS Target Conc.(pCi/L, g, F):	16.286	
MSD Aliquot (L, g, F):	0.292	
MSD Target Conc. (pCi/L, g, F):	16.457	
MS Spike Uncertainty (calculated):	0.195	
MSD Spike Uncertainty (calculated):	0.197	
Sample Result:	0.227	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.212	
Sample Matrix Spike Result:	15.747	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.137	
Sample Matrix Spike Duplicate Result:	17.208	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.208	
MS Numerical Performance Indicator:	-1.279	
MSD Numerical Performance Indicator:	0.827	
MS Percent Recovery:	95.30%	
MSD Percent Recovery:	103.18%	
MS Status vs Numerical Indicator:	N/A	
MSD Status vs Numerical Indicator:	N/A	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	125%	
MS/MSD Lower % Recovery Limits:	75%	

Duplicate Sample Assessment		
Sample I.D.:	LCS69174	
Duplicate Sample I.D.	LCSD69174	
Sample Result (pCi/L, g, F):	4.442	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.455	
Sample Duplicate Result (pCi/L, g, F):	4.843	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.475	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.195	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	10.79%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30526441003	
Sample MS I.D.	30526441004	
Sample MSD I.D.	30526441005	
Sample Matrix Spike Result:	15.747	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.137	
Sample Matrix Spike Duplicate Result:	17.208	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.208	
Duplicate Numerical Performance Indicator:	-1.726	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	7.94%	
MS/ MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

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

Comments:

VAM 10/24/22

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	10/6/2022
Worklist:	69173
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2606772
MB concentration:	0.183
M/B 2 Sigma CSU:	0.338
MB MDC:	0.741
MB Numerical Performance Indicator:	1.06
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
	LCS69173	LCSD69173
Count Date:	10/14/2022	
Spike I.D.:	22-029	
Decay Corrected Spike Concentration (pCi/mL):	19.808	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.808	
Target Conc. (pCi/L, g, F):	2.452	
Uncertainty (Calculated):	0.177	
Result (pCi/L, g, F):	2.814	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.805	
Numerical Performance Indicator:	0.86	
Percent Recovery:	114.78%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/14/2022	
Sample I.D.	30526441003	
Sample MS I.D.	30526441004	
Sample MSD I.D.	30526441005	
Spike I.D.:	22-029	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	20.006	
Spike Volume Used in MS (mL):	0.40	
Spike Volume Used in MSD (mL):	0.40	
MS Aliquot (L, g, F):	0.803	
MS Target Conc.(pCi/L, g, F):	9.964	
MSD Aliquot (L, g, F):	0.803	
MSD Target Conc. (pCi/L, g, F):	9.971	
MS Spike Uncertainty (calculated):	0.717	
MSD Spike Uncertainty (calculated):	0.718	
Sample Result:	0.521	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.418	
Sample Matrix Spike Result:	9.183	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.870	
Sample Matrix Spike Duplicate Result:	9.711	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.949	
MS Numerical Performance Indicator:	-1.248	
MSD Numerical Performance Indicator:	-0.722	
MS Percent Recovery:	86.93%	
MSD Percent Recovery:	92.17%	
MS Status vs Numerical Indicator:	Pass	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Duplicate Sample Assessment		
Sample I.D.:		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.		
Sample Result (pCi/L, g, F):		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Duplicate Result (pCi/L, g, F):		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30526441003	
Sample MS I.D.	30526441004	
Sample MSD I.D.	30526441005	
Sample Matrix Spike Result:	9.183	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.870	
Sample Matrix Spike Duplicate Result:	9.711	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.949	
Duplicate Numerical Performance Indicator:	-0.384	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	5.85%	
MS/ MSD Duplicate Status vs Numerical Indicator:	Pass	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

Comments:

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	10/6/2022
Worklist:	69175
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2606791
MB concentration:	0.256
M/B 2 Sigma CSU:	0.348
MB MDC:	0.743
MB Numerical Performance Indicator:	1.44
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
	LCS69175	LCSD69175
Count Date:	10/14/2022	
Spike I.D.:	22-029	
Decay Corrected Spike Concentration (pCi/mL):	19.807	
Volume Used (mL):	0.20	
Aliquot Volume (L, g, F):	0.806	
Target Conc. (pCi/L, g, F):	4.914	
Uncertainty (Calculated):	0.354	
Result (pCi/L, g, F):	4.147	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.026	
Numerical Performance Indicator:	-1.39	
Percent Recovery:	84.39%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/20/2022	
Sample I.D.	30526441016	
Sample MS I.D.	30526441017	
Sample MSD I.D.	30526441018	
Spike I.D.:	22-029	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	19.966	
Spike Volume Used in MS (mL):	0.40	
Spike Volume Used in MSD (mL):	0.40	
MS Aliquot (L, g, F):	0.804	
MS Target Conc.(pCi/L, g, F):	9.927	
MSD Aliquot (L, g, F):	0.804	
MSD Target Conc. (pCi/L, g, F):	9.932	
MS Spike Uncertainty (calculated):	0.715	
MSD Spike Uncertainty (calculated):	0.715	
Sample Result:	0.626	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.406	
Sample Matrix Spike Result:	10.814	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	2.176	
Sample Matrix Spike Duplicate Result:	11.328	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	2.275	
MS Numerical Performance Indicator:	0.219	
MSD Numerical Performance Indicator:	0.624	
MS Percent Recovery:	102.62%	
MSD Percent Recovery:	107.76%	
MS Status vs Numerical Indicator:	Pass	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Duplicate Sample Assessment		
Sample I.D.:		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.		
Sample Result (pCi/L, g, F):		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Duplicate Result (pCi/L, g, F):		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	30526441016
Sample MS I.D.	30526441017
Sample MSD I.D.	30526441018
Sample Matrix Spike Result:	10.814
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	2.176
Sample Matrix Spike Duplicate Result:	11.328
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	2.275
Duplicate Numerical Performance Indicator:	-0.320
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	4.88%
MS/ MSD Duplicate Status vs Numerical Indicator:	Pass
MS/ MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

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

Comments:

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	RMS
Date:	10/7/2022
Worklist:	69176
Matrix:	DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2606792
MB concentration:	0.053
M/B Counting Uncertainty:	0.077
MB MDC:	0.165
MB Numerical Performance Indicator:	1.36
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS69176	LCSD69176
Count Date:	10/24/2022	10/23/2022
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.023	24.023
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.510	0.501
Target Conc. (pCi/L, g, F):	4.711	4.792
Uncertainty (Calculated):	0.057	0.058
Result (pCi/L, g, F):	5.013	4.378
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.498	0.451
Numerical Performance Indicator:	1.18	-1.79
Percent Recovery:	106.40%	91.35%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/20/2022	
Sample I.D.	30526441016	
Sample MS I.D.	30526441017	
Sample MSD I.D.	30526441018	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.024	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.304	
MS Target Conc.(pCi/L, g, F):	15.826	
MSD Aliquot (L, g, F):	0.320	
MSD Target Conc. (pCi/L, g, F):	15.004	
MS Spike Uncertainty (calculated):	0.190	
MSD Spike Uncertainty (calculated):	0.180	
Sample Result:	0.088	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.109	
Sample Matrix Spike Result:	16.810	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.129	
Sample Matrix Spike Duplicate Result:	15.864	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.071	
MS Numerical Performance Indicator:	1.526	
MSD Numerical Performance Indicator:	1.385	
MS Percent Recovery:	105.66%	
MSD Percent Recovery:	105.14%	
MS Status vs Numerical Indicator:	N/A	
MSD Status vs Numerical Indicator:	N/A	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	125%	
MS/MSD Lower % Recovery Limits:	75%	

Duplicate Sample Assessment		
Sample I.D.:	LCS69176	
Duplicate Sample I.D.	LCSD69176	
Sample Result (pCi/L, g, F):	5.013	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.498	
Sample Duplicate Result (pCi/L, g, F):	4.378	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.451	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.854	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	15.23%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30526441016	
Sample MS I.D.	30526441017	
Sample MSD I.D.	30526441018	
Sample Matrix Spike Result:	16.810	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.129	
Sample Matrix Spike Duplicate Result:	15.864	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.071	
Duplicate Numerical Performance Indicator:	1.191	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	0.49%	
MS/ MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

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

Comments:

WAM 10/24/22

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	10/6/2022
Worklist:	69177
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2606793
MB concentration:	0.774
M/B 2 Sigma CSU:	0.430
MB MDC:	0.756
MB Numerical Performance Indicator:	3.53
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	See Comment*

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
	LCS69177	LCSD69177
Count Date:	10/14/2022	
Spike I.D.:	22-029	
Decay Corrected Spike Concentration (pCi/mL):	19.808	
Volume Used (mL):	0.20	
Aliquot Volume (L, g, F):	0.806	
Target Conc. (pCi/L, g, F):	4.914	
Uncertainty (Calculated):	0.354	
Result (pCi/L, g, F):	5.956	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.342	
Numerical Performance Indicator:	1.47	
Percent Recovery:	121.19%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/21/2022	
Sample I.D.	30526441044	
Sample MS I.D.	30526441045	
Sample MSD I.D.	30526441046	
Spike I.D.:	22-029	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	19.960	
Spike Volume Used in MS (mL):	0.40	
Spike Volume Used in MSD (mL):	0.40	
MS Aliquot (L, g, F):	0.810	
MS Target Conc.(pCi/L, g, F):	9.862	
MSD Aliquot (L, g, F):	0.805	
MSD Target Conc. (pCi/L, g, F):	9.924	
MS Spike Uncertainty (calculated):	0.710	
MSD Spike Uncertainty (calculated):	0.715	
Sample Result:	0.371	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.376	
Sample Matrix Spike Result:	8.263	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.730	
Sample Matrix Spike Duplicate Result:	11.523	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	2.340	
MS Numerical Performance Indicator:	-2.025	
MSD Numerical Performance Indicator:	0.972	
MS Percent Recovery:	80.02%	
MSD Percent Recovery:	112.37%	
MS Status vs Numerical Indicator:	Warning	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Duplicate Sample Assessment		Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Sample I.D.:		
Duplicate Sample I.D.		
Sample Result (pCi/L, g, F):		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Duplicate Result (pCi/L, g, F):		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	30526441044
Sample MS I.D.	30526441045
Sample MSD I.D.	30526441046
Sample Matrix Spike Result:	8.263
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.730
Sample Matrix Spike Duplicate Result:	11.523
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	2.340
Duplicate Numerical Performance Indicator:	-2.196
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	33.63%
MS/ MSD Duplicate Status vs Numerical Indicator:	Warning
MS/ MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

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

Comments:
*The method blank result is below the reporting limit for this analysis and is acceptable.

10/17/22

10.17.22

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	RMS
Date:	10/10/2022
Worklist:	69178
Matrix:	DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	2606798
MB concentration:	0.095
M/B Counting Uncertainty:	0.085
MB MDC:	0.155
MB Numerical Performance Indicator:	2.20
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS69178	LCSD69178
Count Date:	10/24/2022	10/24/2022
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.023	24.023
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.502	0.504
Target Conc. (pCi/L, g, F):	4.784	4.766
Uncertainty (Calculated):	0.057	0.057
Result (pCi/L, g, F):	4.373	4.633
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.445	0.451
Numerical Performance Indicator:	-1.79	-0.57
Percent Recovery:	91.42%	97.22%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/21/2022	
Sample I.D.	30526441044	
Sample MS I.D.	30526441045	
Sample MSD I.D.	30526441046	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.023	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.286	
MS Target Conc.(pCi/L, g, F):	16.827	
MSD Aliquot (L, g, F):	0.300	
MSD Target Conc. (pCi/L, g, F):	16.026	
MS Spike Uncertainty (calculated):	0.202	
MSD Spike Uncertainty (calculated):	0.192	
Sample Result:	0.020	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.105	
Sample Matrix Spike Result:	17.062	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.162	
Sample Matrix Spike Duplicate Result:	14.274	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.043	
MS Numerical Performance Indicator:	0.354	
MSD Numerical Performance Indicator:	-3.261	
MS Percent Recovery:	101.27%	
MSD Percent Recovery:	88.94%	
MS Status vs Numerical Indicator:	N/A	
MSD Status vs Numerical Indicator:	N/A	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	125%	
MS/MSD Lower % Recovery Limits:	75%	

Duplicate Sample Assessment		
Sample I.D.:	LCS69178	
Duplicate Sample I.D.	LCSD69178	
Sample Result (pCi/L, g, F):	4.373	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.445	
Sample Duplicate Result (pCi/L, g, F):	4.633	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.451	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.804	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	6.14%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.	30526441044	
Sample MS I.D.	30526441045	
Sample MSD I.D.	30526441046	
Sample Matrix Spike Result:	17.062	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.162	
Sample Matrix Spike Duplicate Result:	14.274	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.043	
Duplicate Numerical Performance Indicator:	3.500	
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	12.97%	
MS/ MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/ MSD Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

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

Comments:

LAM 10/24/22

Appendix D

GROUNDWATER STATS CONSULTING

May 19, 2022

Southern Company Services
Attn: Mr. Greg Dyer
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Miller Ash Pond
1st Semi-Annual Statistical Analysis – February/March 2022

Dear Mr. Dyer,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and statistical analysis of groundwater data for the 1st Semi-Annual February/March 2022 sample event for Alabama Power Company's Plant Miller Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at site for the CCR program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GS-AP-MW-8, GS-AP-MW-13, GS-AP-MW-17V, MR-AP-MW-21, MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A
- **Downgradient wells:** MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-MW-10, MW-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-15, and MR-AP-MW-16
- **Delineation wells:** MR-AP-MW-4V, MR-AP-MW-6V, MR-AP-MW-17H, MR-AP-MW-18H, MR-AP-MW-19HA, MR-AP-MW-20H, MR-AP-MW-20HS, MR-AP-MW-28H, MR-AP-MW-27HR, MR-AP-MW-30H, MR-AP-MW-31H, MR-AP-MW-32H, MR-AP-MW-33H, MR-AP-MW-34H, MR-AP-MW-35H, MR-AP-MW-36HR, and MR-AP-MW-37H

- **Piezometers:** MR-AP-MW-2V, MR-AP-MW-3V, MR-AP-MW-19H, and MR-AP-MW-31H

Data from delineation wells are plotted on the time series graphs and box plots, but do not require formal statistics. Piezometers only monitor water levels; therefore, they are not included in this analysis.

Original downgradient wells MR-AP-MW-7D, MR-AP-MW-7S, MR-AP-MW-8D, MR-AP-MW-8S, MR-AP-MW-9D, MR-AP-MW-9S, MR-AP-MW-13D, MR-AP-MW-13S, and MR-AP-MW-14 were abandoned in 2020 and are no longer included in the analysis. Data from replacement wells MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R are plotted on the time series graphs and box plots, and are evaluated with confidence intervals which require a minimum of 4 samples. Prediction limits will be used to evaluate the data at these wells when a minimum of 8 samples are available.

New upgradient wells MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A currently have sufficient samples to be incorporated into statistical calculations for prediction limits and tolerance limits. However, due to elevated concentrations compared to neighboring upgradient wells for Appendix III constituents, data from these wells were not included in construction of interwell prediction limits. This step serves to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was prepared according to the Statistical Analysis Plan approved by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance, and Senior Advisor to Groundwater Stats Consulting. The analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents:

Appendix III (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
Appendix IV (Assessment Monitoring) - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient

well/constituent pairs containing 100% non-detects follows this letter. Additionally, while upgradient well GS-AP-MW-13 was abandoned in July 2019, data from this well is included in the interwell limits to represent background groundwater quality.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

In the April 2020 background screening, Appendix III data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on analysis of the spatial variability of groundwater quality among wells upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. A summary of the background screening is presented in a later section of this letter. Power curves are provided in this report to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves are based on the following statistical methods, site/data characteristics, and current number of compliance wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan
- Interwell Prediction Limits with 1-of-2 resample plan
- # Background Samples (Intrawell): 13
- # Background Samples (Interwell): 44
- # Constituents: 7
- # Downgradient wells: 13

Summary of Statistical Methods – Appendix III Parameters

Based on the April 2020 background screening described below, the following statistical methods were selected for Appendix III parameters:

- Intrawell prediction limits, combined with a 1-of-2 resample plan for pH
- Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, and TDS

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the annual false positive rate associated with parametric limits is fixed at 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with nonparametric limits is not fixed and depends upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits as appropriate. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In the interwell case, prediction limits are updated with upgradient well data following each sampling event after careful screening for any new outliers. While not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in

groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Background Update Summaries

Spring 2020

Intrawell prediction limits, which compare the most recent compliance sample from a given well to historical data from the same well, are updated by testing for the appropriateness of consolidating new sampling observations with the screened background data and were last updated in April 2020. As discussed in the Statistical Analysis Plan (August 2020), intrawell prediction limits are used to pH at all wells due to natural spatial variation for this parameter. Historical data were evaluated for updating with newer data through May 2019 through the use of time series graphs and Tukey's outlier test to identify potential outliers, when necessary, as well as the Mann Whitney test for equality of medians. This process is described below for the 2021 update and requires a minimum of four new compliance points.

During the 2020 screening, all background data sets for pH were updated through May 2019, with the exception of wells MR-AP-MW-13S, MR-AP-MW-14, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-6, and MR-AP-PZ-5 for pH, which had statistically significant differences in medians. All results were included with the background update report along with a summary of the background periods utilized for the cases discussed above identified by the Mann-Whitney test with statistically significant differences.

Interwell prediction limits are used to compare the most recent sample from each downgradient well to statistical limits constructed from pooled upgradient well data for boron, calcium, chloride, fluoride, sulfate, and TDS. As mentioned above, these limits are updated following each sampling event after careful screening for new outliers. Data from upgradient wells were re-screened for newly developing trends to determine whether adjustments to the background data sets were required to eliminate the trend. No adjustments were required because the period of records was short and the magnitudes of the trends were low relative to the average concentrations in background.

Fall 2021

Outlier Analysis

Prior to constructing prediction limits, proposed background data through May 2021 were reviewed to identify any newly suspected outliers since the last background update

performed in May 2019 at all wells for pH and through September 2021 at upgradient wells for boron, calcium, chloride, fluoride, sulfate, and TDS. Visual screening was used to identify potential new outliers; however, none were identified. When values are identified as outliers, these measurements are flagged with "o" and excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective.

A previously flagged outlier for pH in well MR-AP-MW-1 was unflagged because it was similar to more recent concentrations. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A list of flagged outliers follows this report (Figure C).

Intrawell - Mann-Whitney Test of Medians

For pH, which is tested using intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2019 to compliance data through May 2021. When no statistically significant difference in medians between the two groups is found at a 99% confidence level, background data may be updated with newer compliance data. Statistically significant differences (either an increase or decrease in median concentrations) were found between the two groups for the following well/constituent pairs:

Increasing
- pH: MR-AP-MW-10 and MR-AP-MW-16

Decreasing
- None

Typically, when the test concludes that the medians of the two groups are statistically significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

While the Mann Whitney test identified differences in the medians for the well/constituent pairs listed above, in both cases the group of new measurements were similar to those observed in the historical record and the increases were marginal. Therefore, these records were updated to include data through May 2021. Additionally, the Mann Whitney

test did not identify a statistically significant difference at the 99% confidence level for pH in well MR-AP-MW-1; however, this record was not updated at this time because the majority of the most recent measurements are higher than those reported historically. This step results in statistical limits that are conservative (i.e., lower) from a regulatory perspective. As more data are collected, this record will be re-evaluated for updating. All other well/constituent pairs utilize historical data through May 2021 for the intrawell prediction limits and a list of well/constituent pairs with truncated portions of background records follow this report (Background Date Ranges).

Interwell - Trend Tests

The Sen's Slope/Mann Kendall trend test was used to evaluate all data through September 2021 at upgradient wells with sufficient samples for trend testing (i.e., a minimum of 6 samples) for parameters utilizing interwell prediction limits (boron, calcium, chloride, fluoride, sulfate, and TDS). When statistically significant increasing trends are identified in upgradient wells, the earlier portion of data may require deselection prior to construction of interwell statistical limits if the trending data would result in statistical limits that are not conservative (i.e., lower) from a regulatory perspective. While no statistically significant decreasing trends were identified, statistically significant increasing trends were noted for the following well/constituent pairs:

Increasing
- Boron: GS-AP-MW-8
- Chloride: GS-AP-MW-8

Decreasing
- None

These trends required no adjustments because the period of record is short and the magnitudes of the trends are low relative to the average concentrations in background.

Evaluation of Appendix III Parameters – February/March 2022

Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed for pH using screened background data through May 2021 at each well except for well MR-AP-MW-1 as discussed above (Figure D). Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes

the element of variation across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. The February/March 2022 observation is compared to its respective background from the same well to determine whether initial exceedances are present.

Interwell prediction limits combined with a 1-of-2 verification strategy were constructed for boron, calcium, chloride, fluoride, sulfate, and TDS (Figure E). Interwell prediction limits pool upgradient well data through March 2022 to establish a background limit for an individual constituent. The February/March 2022 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present. As discussed previously, due to higher concentrations among newer upgradient wells MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A, data from these wells were not included in construction of the interwell prediction limits as the resulting limits would not be conservative (i.e., lower) from a regulatory perspective.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research is required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary. Both summary tables and complete graphical results for intrawell and interwell prediction limits may be found following this letter in Figures D and E, respectively. Exceedances for both intrawell and interwell prediction limits were identified for the following well/constituent pairs:

Intrawell:

- pH: GS-AP-MW-3D, MR-AP-MW-4, and MR-AP-MW-10

Interwell:

- Boron: MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-15, and MR-AP-MW-16
- Calcium: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, and MR-AP-MW-16
- Chloride: MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, and MR-AP-MW-15

- Fluoride: MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-10, and MR-AP-MW-12
- Sulfate: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, and MR-AP-MW-16
- TDS: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, and MR-AP-MW-16

Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. When trends are identified in upgradient wells, it is an indication of natural variability in groundwater quality unrelated to practices at the site. New upgradient wells MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A were not included due to insufficient sample size for trend testing (i.e., a minimum of 6 samples). A summary of the trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:
- Boron: MR-AP-MW-2, MR-AP-MW-3S, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-12, and MR-AP-MW-15
- Calcium: MR-AP-MW-6
- Chloride: GS-AP-MW-8 (upgradient), MR-AP-MW-3S, and MR-AP-MW-6
- Fluoride: GS-AP-MW-13 (upgradient), MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5, MR-APMW-10, and MR-AP-MW-12
- pH: MR-AP-MW-10 and MR-AP-MW-3D
- Sulfate: MR-AP-MW-12
- TDS: MR-AP-MW-12

Decreasing:
- Boron: MR-AP-MW-3D, MR-AP-MW-4, and MR-AP-PZ-5
- Calcium: MR-AP-MW-3D, MR-AP-MW-4, and MR-AP-MW-5
- Chloride: MR-AP-MW-3D and MR-AP-MW-4
- Sulfate: MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, and MR-AP-MW-16

- TDS: MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, and MR-AP-MW-16

Evaluation of Appendix IV Parameters – February/March 2022

Data from all wells for Appendix IV parameters were reassessed for outliers during previous analyses through visual screening and no new outliers were flagged. A summary of any previously flagged outliers follows this report (Figure C).

In accordance with Alabama Department of Environmental Management, the Groundwater Protections Standards (GWPS) utilized during the 2021 2nd semi-annual statistical analysis report were used for the confidence interval analyses. The GWPS will are updated every two years and will be updated again during the 2023 2nd semi-annual statistical analysis. The methodology used to create these GWPS is described below.

Interwell Upper Tolerance Limits

First, background limits were determined using tolerance limits constructed from pooled upgradient well data through September 2021 (Figure G). The tolerance limits contain a known fraction (coverage) of the background population with a known level of confidence. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As requested by ADEM to eliminate variation among upgradient well data, nonparametric tolerance limits, which use the highest value in background as the statistical limit, were constructed.

Groundwater Protection Standards

These background limits were then compared to the Maximum Contaminant Levels (MCLs) for each parameter, and the higher of the two was used as the GWPS (Figure H) in the confidence interval comparisons described below. Exceptions are noted in Figure H for barium, combined radium 226 + 228, and lithium. For these parameters, the respective MCL's or Federally Derived limits were used as the GWPS rather than the higher background UTLs to maintain the more conservative standard.

Confidence Intervals

Confidence intervals were then constructed on downgradient wells using a maximum of the most recent 8 samples through March 2022 for each of the Appendix IV parameters (Figure I). These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence

intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the highest and lowest values in background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects.

As mentioned above, well/constituent pairs containing 100% non-detects for the most recent 8 samples did not require statistics; therefore, they were deselected prior to construction of confidence intervals. A list of deselected well/constituent pairs follows this report. Each confidence interval was compared with the corresponding GWPS. Only when the entire confidence interval is above the GWPS is the well/constituent pair considered to exceed its respective standard. Both a tabular summary and graphical presentation of the confidence interval results follow this letter. Exceedances were identified for the following well/constituent pairs:

- Arsenic: MR-AP-MW-5
- Cobalt: MR-AP-MW-2
- Lithium: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MW-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, and MR-AP-PZ-5
- Molybdenum: MR-AP-MW-10 and MR-AP-MW-12

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Miller Ash Pond. If you have any questions or comments, please feel free to contact us.

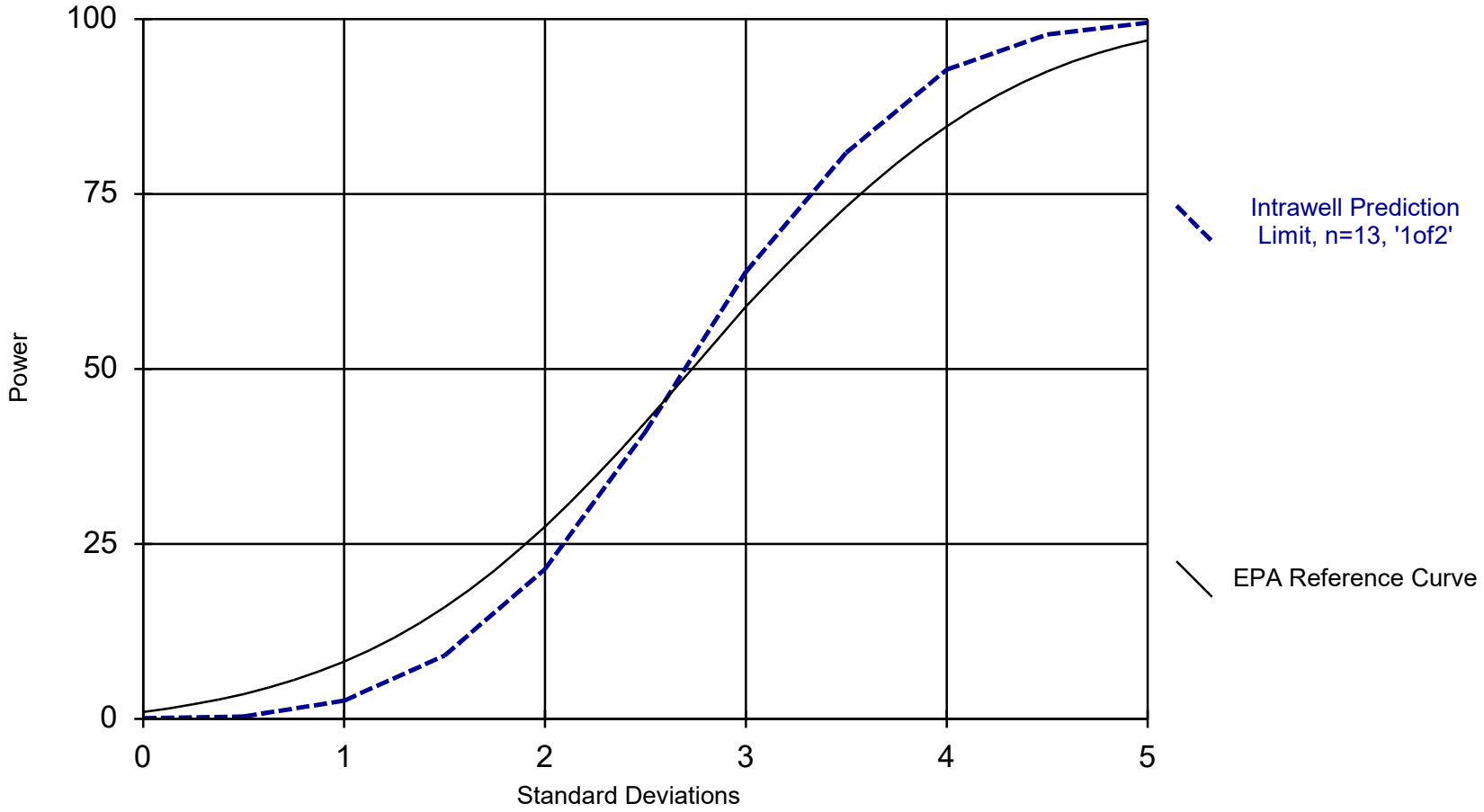
For Groundwater Stats Consulting,

Andrew Collins
Project Manager

Kristina Rayner
Groundwater Statistician

Easton Rayner
Groundwater Analyst

Intrawell Power Curve

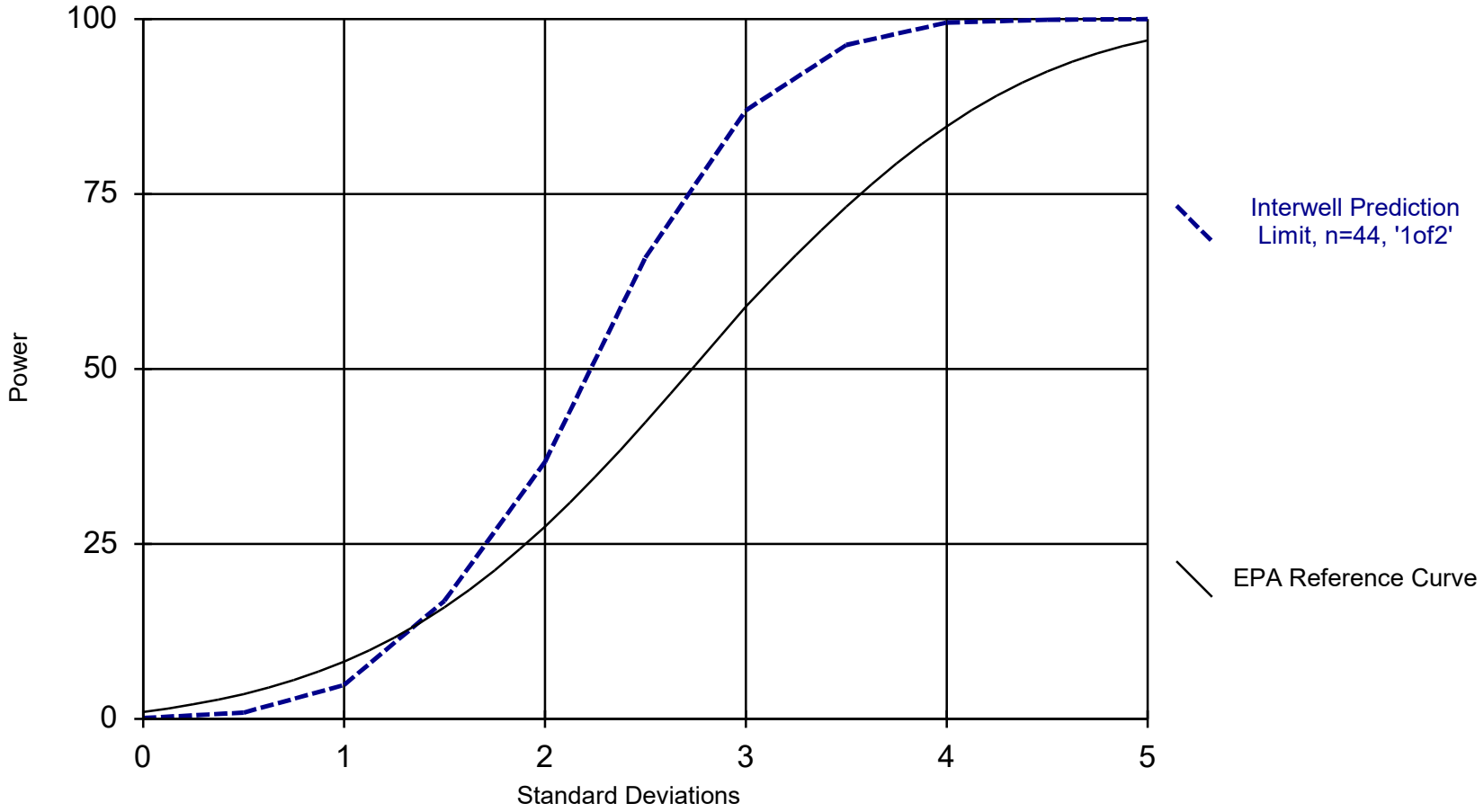


Kappa = 2.656, based on 13 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 5/18/2022 2:11 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Interwell Power Curve



Kappa = 2.124, based on 13 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 5/18/2022 2:10 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

100% Non-Detects: Appendix IV Downgradient

Analysis Run 5/17/2022 7:46 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Antimony (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-2, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR

Beryllium (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Cadmium (mg/L)
MR-AP-MW-11, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Cobalt (mg/L)
MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-7DR, MR-AP-PZ-5

Lead (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Mercury (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR

Selenium (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Thallium (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Date Ranges

Date: 5/17/2022 6:01 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

pH, Field (pH)

MR-AP-MW-1 background:7/25/2016-10/9/2018

Intrawell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**3/17/2022**	**7.24**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-3D**	**6.954**	**6.624**	**3/16/2022**	**7.04**	**Yes**	**19**	**6.789**	**0.06919**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-4**	**6.067**	**5.624**	**3/15/2022**	**6.27**	**Yes**	**19**	**5.846**	**0.0927**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**

Intrawell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	GS-AP-MW-13	6.931	6.594	n/a	1 future	n/a	13	6.762	0.06353	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	GS-AP-MW-8	6.099	5.378	2/16/2022	5.8	No	17	1110	111.7	0	None	x^4	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-1	9.647	7.368	3/15/2022	8.71	No	14	8.508	0.4386	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**3/17/2022**	**7.24**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-11	7.3	6.5	3/16/2022	6.94	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (pH)	MR-AP-MW-12	6.685	6.441	3/17/2022	6.65	No	17	6.563	0.04982	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-15	6.587	6.323	3/9/2022	6.37	No	18	6.455	0.05437	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-16	6.436	5.758	3/8/2022	6.15	No	18	6.097	0.1401	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-2	6.422	5.872	3/16/2022	6.14	No	18	6.147	0.1135	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-3D**	**6.954**	**6.624**	**3/16/2022**	**7.04**	**Yes**	**19**	**6.789**	**0.06919**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-3S	9.882	8.717	3/16/2022	9.05	No	19	9.299	0.2437	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-4**	**6.067**	**5.624**	**3/15/2022**	**6.27**	**Yes**	**19**	**5.846**	**0.0927**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-5	7.268	6.893	3/14/2022	6.92	No	18	7.08	0.07743	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-6	6.213	5.875	3/16/2022	6.07	No	19	6.044	0.07073	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-PZ-5	8.63	7.584	3/14/2022	8.47	No	19	8.107	0.2188	0	None	No	0.0002894	Param Intra 1 of 2

Interwell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:49 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.101	3/17/2022	5.81	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-12	0.101	3/17/2022	7.07	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-15	0.101	3/9/2022	0.445	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-16	0.101	3/8/2022	2.13	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-2	0.101	3/16/2022	0.165	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3D	0.101	3/16/2022	0.428	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3S	0.101	3/16/2022	0.276	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-4	0.101	3/15/2022	0.423	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-5	0.101	3/14/2022	0.864	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-6	0.101	3/16/2022	0.887	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-PZ-5	0.101	3/14/2022	0.245	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-1	63.5	3/15/2022	98.1	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-10	63.5	3/17/2022	76.4	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-11	63.5	3/16/2022	173	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-12	63.5	3/17/2022	102	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-16	63.5	3/8/2022	154	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-2	63.5	3/16/2022	239	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-3D	63.5	3/16/2022	116	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-4	63.5	3/15/2022	159	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-5	63.5	3/14/2022	228	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-6	63.5	3/16/2022	160	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-15	14.6	3/9/2022	17.6	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3D	14.6	3/16/2022	15	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3S	14.6	3/16/2022	79.4	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-4	14.6	3/15/2022	19	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-5	14.6	3/14/2022	26.1	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-6	14.6	3/16/2022	33.2	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-PZ-5	14.6	3/14/2022	30.7	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-10	0.2991	3/17/2022	1.86	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-12	0.2991	3/17/2022	1.21	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3D	0.2991	3/16/2022	0.388	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3S	0.2991	3/16/2022	0.309	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-5	0.2991	3/14/2022	0.405	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2991	3/14/2022	2.28	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-1	139	3/15/2022	512	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-10	139	3/17/2022	735	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-11	139	3/16/2022	707	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-12	139	3/17/2022	1730	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-16	139	3/8/2022	530	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-2	139	3/16/2022	1630	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	139	3/16/2022	352	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	139	3/16/2022	227	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-4	139	3/15/2022	475	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-5	139	3/14/2022	810	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-6	139	3/16/2022	587	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	534	3/15/2022	897	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	534	3/17/2022	1230	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	534	3/16/2022	1120	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	534	3/17/2022	2580	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	534	3/8/2022	738	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	534	3/16/2022	2420	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	534	3/16/2022	698	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	534	3/16/2022	698	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	534	3/15/2022	800	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	534	3/14/2022	1190	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	534	3/16/2022	894	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	534	3/14/2022	748	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:49 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-1	0.101	3/15/2022	0.0528J	No	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-10**	**0.101**	**3/17/2022**	**5.81**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	MR-AP-MW-11	0.101	3/16/2022	0.0357J	No	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-12**	**0.101**	**3/17/2022**	**7.07**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.101**	**3/9/2022**	**0.445**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-16**	**0.101**	**3/8/2022**	**2.13**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-2**	**0.101**	**3/16/2022**	**0.165**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3D**	**0.101**	**3/16/2022**	**0.428**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.101**	**3/16/2022**	**0.276**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-4**	**0.101**	**3/15/2022**	**0.423**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-5**	**0.101**	**3/14/2022**	**0.864**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-6**	**0.101**	**3/16/2022**	**0.887**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-PZ-5**	**0.101**	**3/14/2022**	**0.245**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-1**	**63.5**	**3/15/2022**	**98.1**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-10**	**63.5**	**3/17/2022**	**76.4**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-11**	**63.5**	**3/16/2022**	**173**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-12**	**63.5**	**3/17/2022**	**102**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-MW-15	63.5	3/9/2022	39.1	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**MR-AP-MW-16**	**63.5**	**3/8/2022**	**154**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-2**	**63.5**	**3/16/2022**	**239**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-3D**	**63.5**	**3/16/2022**	**116**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-MW-3S	63.5	3/16/2022	5.38	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**MR-AP-MW-4**	**63.5**	**3/15/2022**	**159**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-5**	**63.5**	**3/14/2022**	**228**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-6**	**63.5**	**3/16/2022**	**160**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-PZ-5	63.5	3/14/2022	6.95	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-1	14.6	3/15/2022	10.4	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-10	14.6	3/17/2022	4.75	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-11	14.6	3/16/2022	7.08	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-12	14.6	3/17/2022	8.05	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-15**	**14.6**	**3/9/2022**	**17.6**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	MR-AP-MW-16	14.6	3/8/2022	7.81	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-2	14.6	3/16/2022	6.88	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-3D**	**14.6**	**3/16/2022**	**15**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**14.6**	**3/16/2022**	**79.4**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**14.6**	**3/15/2022**	**19**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-5**	**14.6**	**3/14/2022**	**26.1**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-6**	**14.6**	**3/16/2022**	**33.2**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-PZ-5**	**14.6**	**3/14/2022**	**30.7**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-1	0.2991	3/15/2022	0.142	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.2991**	**3/17/2022**	**1.86**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-11	0.2991	3/16/2022	0.107J	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.2991**	**3/17/2022**	**1.21**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-15	0.2991	3/9/2022	0.103J	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-16	0.2991	3/8/2022	0.155	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-2	0.2991	3/16/2022	0.268	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.2991**	**3/16/2022**	**0.388**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.2991**	**3/16/2022**	**0.309**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-4	0.2991	3/15/2022	0.154	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.2991**	**3/14/2022**	**0.405**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-6	0.2991	3/16/2022	0.155	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2991**	**3/14/2022**	**2.28**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-1**	**139**	**3/15/2022**	**512**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-10**	**139**	**3/17/2022**	**735**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-11**	**139**	**3/16/2022**	**707**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**139**	**3/17/2022**	**1730**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	MR-AP-MW-15	139	3/9/2022	123	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**139**	**3/8/2022**	**530**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-2**	**139**	**3/16/2022**	**1630**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**139**	**3/16/2022**	**352**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3S**	**139**	**3/16/2022**	**227**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**139**	**3/15/2022**	**475**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**139**	**3/14/2022**	**810**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-6**	**139**	**3/16/2022**	**587**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	MR-AP-PZ-5	139	3/14/2022	51.7	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-1**	**534**	**3/15/2022**	**897**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-10**	**534**	**3/17/2022**	**1230**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-11**	**534**	**3/16/2022**	**1120**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:49 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**534**	**3/17/2022**	**2580**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-15	534	3/9/2022	279	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**534**	**3/8/2022**	**738**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-2**	**534**	**3/16/2022**	**2420**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**534**	**3/16/2022**	**698**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3S**	**534**	**3/16/2022**	**698**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**534**	**3/15/2022**	**800**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**534**	**3/14/2022**	**1190**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-6**	**534**	**3/16/2022**	**894**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-PZ-5**	**534**	**3/14/2022**	**748**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**

Trend Test - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 2:05 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.374	80	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-12	1.189	104	63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-15	0.05229	104	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-2	0.01699	94	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3D	-0.02511	-78	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3S	0.01331	77	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-4	-0.02106	-92	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-6	0.01849	93	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-PZ-5	-0.03749	-111	-68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-16	-18.82	-93	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-3D	-27.29	-140	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-4	-26.52	-137	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-5	-16.31	-102	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-6	4.756	124	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-8 (bg)	0.1896	85	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-3D	-6.927	-118	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-3S	11.11	117	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-4	-4.482	-96	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-6	1.915	143	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-13 (bg)	0.02914	48	43	Yes	13	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-10	0.07522	123	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-12	0.09617	100	68	Yes	18	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3D	0.03451	119	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3S	0.02546	101	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-5	0.0337	112	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2944	128	74	Yes	19	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-10	0.06835	122	81	Yes	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-3D	0.03997	145	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-12	194.2	124	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-16	-56.99	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	-82.71	-130	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-4	-89.47	-135	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-5	-52.98	-111	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	249.7	98	63	Yes	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	-98.91	-92	-68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	-142.8	-134	-68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	-132.2	-126	-68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	-90.76	-109	-68	Yes	18	0	n/a	n/a	0.01	NP

Trend Test - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 2:05 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	GS-AP-MW-13 (bg)	-0.01983	-35	-38	No	12	41.67	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-17V (bg)	-0.0054	-7	-18	No	7	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-8 (bg)	0	-49	-68	No	18	61.11	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-10**	**0.374**	**80**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-12**	**1.189**	**104**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.05229**	**104**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-16	-0.09743	-48	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-2**	**0.01699**	**94**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-21 (bg)	0.0005558	3	18	No	7	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-3D**	**-0.02511**	**-78**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.01331**	**77**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-4**	**-0.02106**	**-92**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-5	-0.005261	-52	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-6**	**0.01849**	**93**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-PZ-5**	**-0.03749**	**-111**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	GS-AP-MW-13 (bg)	-2.607	-32	-38	No	12	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-17V (bg)	0.5737	5	18	No	7	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-8 (bg)	-0.6456	-57	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-1	-11.64	-68	-74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-10	6.948	74	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-11	-2.237	-16	-74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-12	-9.865	-63	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-16**	**-18.82**	**-93**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	MR-AP-MW-2	5.098	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-21 (bg)	-1.345	-5	-18	No	7	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-3D**	**-27.29**	**-140**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-4**	**-26.52**	**-137**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-5**	**-16.31**	**-102**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-6**	**4.756**	**124**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	GS-AP-MW-13 (bg)	0.1178	10	38	No	12	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-17V (bg)	-0.1796	-7	-18	No	7	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**GS-AP-MW-8 (bg)**	**0.1896**	**85**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-15	0	5	74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-21 (bg)	0	0	18	No	7	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-3D**	**-6.927**	**-118**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**11.11**	**117**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**-4.482**	**-96**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-5	-2.024	-60	-74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-6**	**1.915**	**143**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-PZ-5	-0.6466	-33	-74	No	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**GS-AP-MW-13 (bg)**	**0.02914**	**48**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	GS-AP-MW-17V (bg)	0.001162	1	18	No	7	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-8 (bg)	0.003661	34	74	No	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.07522**	**123**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.09617**	**100**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	MR-AP-MW-21 (bg)	-0.01385	-5	-18	No	7	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.03451**	**119**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.02546**	**101**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.0337**	**112**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2944**	**128**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	GS-AP-MW-13 (bg)	-0.05825	-34	-43	No	13	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-17V (bg)	-0.09188	-12	-18	No	7	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-8 (bg)	-0.04138	-73	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-10**	**0.06835**	**122**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-21 (bg)	0.1629	15	18	No	7	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-3D**	**0.03997**	**145**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-4	0.03439	75	87	No	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-13 (bg)	0.01849	11	38	No	12	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-17V (bg)	-1.441	-13	-18	No	7	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-8 (bg)	0.1821	34	68	No	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-1	-36.11	-58	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-10	30.74	48	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-11	-10.53	-46	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**194.2**	**124**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**-56.99**	**-104**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-2	23.5	32	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-21 (bg)	9.095	15	18	No	7	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**-82.71**	**-130**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Test - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 2:05 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	19.57	57	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**-89.47**	**-135**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**-52.98**	**-111**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-6	8.425	38	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-13 (bg)	-7.182	-29	-38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-17V (bg)	0	0	18	No	7	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-8 (bg)	-3.157	-39	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	-29.99	-43	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	35.53	44	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	-22.37	-52	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**249.7**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**-98.91**	**-92**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	35.55	51	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-21 (bg)	17	5	18	No	7	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**-142.8**	**-134**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	23.44	49	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**-132.2**	**-126**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**-90.76**	**-109**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	7.677	41	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	-58.25	-62	-68	No	18	0	n/a	n/a	0.01	NP

Upper Tolerance Limits - Summary Table

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 1/4/2022, 3:38 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	68.85	n/a	n/a	0.04377	NP Inter
Arsenic (mg/L)	n/a	0.00645	n/a	n/a	n/a	61	n/a	n/a	27.87	n/a	n/a	0.04377	NP Inter
Barium (mg/L)	n/a	12.4	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Beryllium (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Chromium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	45.9	n/a	n/a	0.04377	NP Inter
Cobalt (mg/L)	n/a	0.00362	n/a	n/a	n/a	61	n/a	n/a	78.69	n/a	n/a	0.04377	NP Inter
Combined Radium 226 + 228 (pCi/L)	n/a	7.07	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Fluoride, total (mg/L)	n/a	0.436	n/a	n/a	n/a	63	n/a	n/a	0	n/a	n/a	0.0395	NP Inter
Lead (mg/L)	n/a	0.00189	n/a	n/a	n/a	61	n/a	n/a	88.52	n/a	n/a	0.04377	NP Inter
Lithium (mg/L)	n/a	1.2	n/a	n/a	n/a	61	n/a	n/a	18.03	n/a	n/a	0.04377	NP Inter
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Molybdenum (mg/L)	n/a	0.0127	n/a	n/a	n/a	61	n/a	n/a	31.15	n/a	n/a	0.04377	NP Inter
Selenium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter

MILLER AP GWPS			
Analyte	**Units**	**Background**	**GWPS**
Antimony	mg/L	0.003	0.006
Arsenic	mg/L	0.00645	0.01
Barium	mg/L	12.4	2
Beryllium	mg/L	0.003	0.004
Cadmium	mg/L	0.001	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00362	0.006
Combined Radium-226/228	pCi/L	7.07	5
Fluoride	mg/L	0.436	4
Lead	mg/L	0.00189	0.015
Lithium	mg/L	1.2	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.0127	0.1
Selenium	mg/L	0.01	0.05
Thallium	mg/L	0.001	0.002

Notes:

1. mg/L - Milligrams per liter

2. pCi/L - Picocuries per liter

3. The background limits were used as the groundwater protection standard (GWPS) when appropriate under 40 CFR §257.95(h), ADEM Rule 335-13-15-.06(h), and the ADEM Variance.

4. GWPS established during second semi-annual sampling event in 2021.

Confidence Interval Summary Table - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	**MR-AP-MW-5**	**0.01307**	**0.01009**	**0.01**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MR-AP-MW-2**	**0.05746**	**0.03807**	**0.006**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-1**	**0.2081**	**0.09335**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2072**	**0.17**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.388**	**0.2298**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.1889**	**0.1154**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-2**	**0.272**	**0.2205**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1237**	**0.1014**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.353**	**0.2173**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.08411**	**0.06334**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07642**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1481**	**0.09443**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1724**	**0.1266**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0682**	**0.04**	**Yes**	**4**	**0**	**No**	**0.0625**	**NP (normality)**
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1692**	**0.1305**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.4863**	**0.1045**	**0.1**	**Yes**	**8**	**0**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9847**	**0.2843**	**0.1**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	MR-AP-MW-12	0.00102	0.00056	0.006	No	8	75	No	0.004	NP (normality)
Antimony (mg/L)	MR-AP-MW-16	0.00107	0.000768	0.006	No	8	75	No	0.004	NP (normality)
Antimony (mg/L)	MR-AP-MW-3D	0.00118	0.00102	0.006	No	8	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-3S	0.00126	0.00102	0.006	No	8	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-PZ-5	0.00102	0.0009	0.006	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MR-AP-MW-1	0.0058	0.00174	0.01	No	8	0	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-10	0.061	0.00142	0.01	No	8	0	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-11	0.0002	0.00008	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-12	0.006179	0.002261	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13DR	0.0007872	0.00004582	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13SR	0.00219	-0.0001203	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-14R	0.0003156	0.0001334	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-15	0.00083	0.0002	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-16	0.0009	0.0002	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-2	0.004198	0.002037	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-3D	0.015	0.01	0.01	No	8	0	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-3S	0.002416	0.000478	0.01	No	8	12.5	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-4	0.0004	0.0002	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	**MR-AP-MW-5**	**0.01307**	**0.01009**	**0.01**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	MR-AP-MW-6	0.0002	0.000104	0.01	No	8	75	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-7DR	0.007279	-0.002809	0.01	No	4	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-7SR	0.003068	0.001442	0.01	No	4	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9DR	0.001084	0.00001924	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9SR	0.001917	0.0002876	0.01	No	4	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-PZ-5	0.00166	0.00009	0.01	No	8	12.5	No	0.004	NP (normality)
Barium (mg/L)	MR-AP-MW-1	0.1037	0.0314	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-10	0.01822	0.01256	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-11	0.0411	0.03159	2	No	8	0	x^4	0.01	Param.
Barium (mg/L)	MR-AP-MW-12	0.01873	0.0143	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13DR	0.1789	0.01345	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13SR	0.05559	0.006662	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-14R	0.122	0.08837	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-15	0.06469	0.02841	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-16	0.02983	0.02022	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-2	0.0189	0.01473	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3D	0.03509	0.02296	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3S	0.3848	0.1147	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-4	0.01426	0.01199	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-5	0.01709	0.01504	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-6	0.02629	0.02331	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7DR	0.03581	0.02089	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7SR	0.04902	0.03698	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-9DR	0.04285	0.0353	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-9SR	0.0274	0.0169	2	No	4	0	No	0.0625	NP (normality)
Barium (mg/L)	MR-AP-PZ-5	0.261	0.1437	2	No	8	0	No	0.01	Param.
Beryllium (mg/L)	MR-AP-MW-13SR	0.001872	-0.001327	0.004	No	4	50	x^5	0.01	Param.
Cadmium (mg/L)	MR-AP-MW-1	0.0002	0.0002	0.005	No	8	100	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-10	0.0002	0.00009	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-12	0.0002	0.0000927	0.005	No	8	62.5	No	0.004	NP (normality)
Cadmium (mg/L)	MR-AP-MW-13SR	0.0002	0.0001	0.005	No	4	75	No	0.0625	NP (normality)
Cadmium (mg/L)	MR-AP-MW-16	0.0002	0.0002	0.005	No	8	100	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-2	0.0002	0.0002	0.005	No	8	100	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-4	0.0002	0.000073	0.005	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-1	0.006345	0.001009	0.1	No	8	12.5	sqrt(x)	0.01	Param.
Chromium (mg/L)	MR-AP-MW-10	0.00139	0.00047	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-11	0.00102	0.00027	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-12	0.00102	0.00048	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-13DR	0.0003862	0.0001523	0.1	No	4	50	sqrt(x)	0.01	Param.
Chromium (mg/L)	MR-AP-MW-13SR	0.000848	-0.000008623	0.1	No	4	25	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-14R	0.0005677	0.0001113	0.1	No	4	50	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-15	0.00102	0.00028	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-16	0.00102	0.00067	0.1	No	8	87.5	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-2	0.00102	0.00021	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-3D	0.00102	0.00027	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-3S	0.00102	0.00034	0.1	No	8	62.5	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-4	0.00102	0.00029	0.1	No	8	87.5	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-5	0.00102	0.00027	0.1	No	8	87.5	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-6	0.00102	0.00023	0.1	No	8	75	No	0.004	NP (normality)

Confidence Interval Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Chromium (mg/L)	MR-AP-MW-7DR	0.00102	0.0003	0.1	No	4	75	No	0.0625	NP (normality)
Chromium (mg/L)	MR-AP-MW-7SR	0.00102	0.000219	0.1	No	4	25	No	0.0625	NP (normality)
Chromium (mg/L)	MR-AP-MW-9DR	0.00102	0.00024	0.1	No	4	25	No	0.0625	NP (normality)
Chromium (mg/L)	MR-AP-MW-9SR	0.0003686	0.0001473	0.1	No	4	25	ln(x)	0.01	Param.
Chromium (mg/L)	MR-AP-PZ-5	0.00102	0.00021	0.1	No	8	75	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-1	0.00038	0.00008	0.006	No	8	62.5	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-10	0.00091	0.0002	0.006	No	8	62.5	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-11	0.0002	0.0002	0.006	No	8	100	No	0.004	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-12	0.00211	0.0002	0.006	No	8	50	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-13DR	0.001172	0.00004789	0.006	No	4	25	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-13SR	0.133	-0.01922	0.006	No	4	0	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-14R	0.0002	0.0000688	0.006	No	4	75	No	0.0625	NP (normality)
Cobalt (mg/L)	MR-AP-MW-15	0.0021	0.0002	0.006	No	8	50	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-16	0.004604	0.0001461	0.006	No	8	37.5	No	0.01	Param.
Cobalt (mg/L)	**MR-AP-MW-2**	**0.05746**	**0.03807**	**0.006**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MR-AP-MW-3D	0.006128	0.004109	0.006	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-4	0.01674	0.005429	0.006	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-6	0.04361	0.003388	0.006	No	8	0	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-7SR	0.001183	0.00005491	0.006	No	4	25	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9DR	0.0002283	0.0000547	0.006	No	4	25	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9SR	0.0003763	0.00005923	0.006	No	4	25	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-1	0.754	0.312	5	No	8	0	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-10	1.065	0.1872	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-11	0.4972	0.1514	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-12	1.123	0.2547	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13DR	1.169	-0.06369	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13SR	1.624	-0.5434	5	No	4	0	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-14R	0.7822	-0.3622	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-15	0.6592	0.1336	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-16	1.15	-0.0538	5	No	8	0	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-2	0.8815	0.2887	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3D	0.7791	-0.03668	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3S	0.9054	-0.0004814	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-4	0.4736	0.1624	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-5	1.035	0.2397	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-6	0.4309	0.1337	5	No	8	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7DR	2.265	0.008515	5	No	4	0	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7SR	1.046	0.2137	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9DR	1.331	-0.1272	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9SR	0.5566	-0.007624	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-PZ-5	0.6921	0.1031	5	No	8	0	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-1	0.1855	0.146	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-10	1.86	0.433	4	No	8	0	No	0.004	NP (normality)
Fluoride, total (mg/L)	MR-AP-MW-11	0.1415	0.1115	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-12	1.083	0.7503	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13DR	0.2155	0.1055	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13SR	0.668	0.3025	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-14R	0.197	0.154	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-15	0.1301	0.1035	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-16	0.2361	0.1371	4	No	8	0	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-2	0.3298	0.1227	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3D	0.4095	0.3468	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3S	0.3419	0.2873	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-4	0.2896	0.1839	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-5	0.4294	0.3849	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-6	0.1665	0.1055	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7DR	0.1687	0.09626	4	No	4	25	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7SR	0.2607	0.2053	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9DR	0.2311	0.06135	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9SR	0.1791	0.08386	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-PZ-5	2.37	1.485	4	No	8	0	No	0.01	Param.
Lead (mg/L)	MR-AP-MW-13DR	0.0002	0.000121	0.015	No	4	75	No	0.0625	NP (normality)
Lead (mg/L)	MR-AP-MW-13SR	0.0002	0.00011	0.015	No	4	75	No	0.0625	NP (normality)
Lead (mg/L)	MR-AP-MW-3D	0.0002	0.000084	0.015	No	8	87.5	No	0.004	NP (NDs)
Lithium (mg/L)	**MR-AP-MW-1**	**0.2081**	**0.09335**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2072**	**0.17**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.388**	**0.2298**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.1889**	**0.1154**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Lithium (mg/L)	MR-AP-MW-13DR	0.03913	0.02917	0.04	No	4	0	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-13SR	0.06054	0.01048	0.04	No	4	0	x^(1/3)	0.01	Param.
Lithium (mg/L)	MR-AP-MW-14R	0.02231	0.01899	0.04	No	4	0	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-15	0.02018	0.01855	0.04	No	8	12.5	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-16	0.1218	0.02708	0.04	No	8	0	No	0.01	Param.
Lithium (mg/L)	**MR-AP-MW-2**	**0.272**	**0.2205**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1237**	**0.1014**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.353**	**0.2173**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.08411**	**0.06334**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07642**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1481**	**0.09443**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1724**	**0.1266**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0682**	**0.04**	**Yes**	**4**	**0**	**No**	**0.0625**	**NP (normality)**
Lithium (mg/L)	MR-AP-MW-9SR	0.05003	0.03632	0.04	No	4	0	No	0.01	Param.
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1692**	**0.1305**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Mercury (mg/L)	MR-AP-MW-15	0.0005	0.000316	0.002	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-3S	0.0005	0.000318	0.002	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-5	0.0005	0.000319	0.002	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-PZ-5	0.0005	0.000311	0.002	No	8	87.5	No	0.004	NP (NDs)
Molybdenum (mg/L)	MR-AP-MW-1	0.0117	0.005197	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.4863**	**0.1045**	**0.1**	**Yes**	**8**	**0**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-11	0.00075	0.000203	0.1	No	8	62.5	No	0.004	NP (normality)
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9847**	**0.2843**	**0.1**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-13DR	0.007366	0.00002412	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-13SR	0.009842	0.00001489	0.1	No	4	0	ln(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-14R	0.0001845	0.00006012	0.1	No	4	25	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-15	0.000203	0.00008	0.1	No	8	75	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-16	0.07388	0.009749	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-2	0.00458	0.000203	0.1	No	8	50	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-3D	0.02676	0.02376	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-3S	0.06339	0.04228	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-4	0.000203	0.00007	0.1	No	8	62.5	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-5	0.0877	0.0686	0.1	No	8	0	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-6	0.004552	0.0006613	0.1	No	8	12.5	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7DR	0.005661	0.003289	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7SR	0.03751	0.03069	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9DR	0.001549	0.00001102	0.1	No	4	25	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9SR	0.003083	-0.0008982	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-PZ-5	0.000438	0.000203	0.1	No	8	62.5	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-16	0.00629	0.000975	0.05	No	8	37.5	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-4	0.00112	0.00077	0.05	No	8	75	No	0.004	NP (normality)
Thallium (mg/L)	MR-AP-MW-13SR	0.0001529	0.00003384	0.002	No	4	25	No	0.01	Param.
Thallium (mg/L)	MR-AP-MW-16	0.0002	0.00007	0.002	No	8	75	No	0.004	NP (normality)
Thallium (mg/L)	MR-AP-MW-2	0.0002	0.0002	0.002	No	8	100	No	0.004	NP (NDs)
Thallium (mg/L)	MR-AP-MW-4	0.0002	0.00007	0.002	No	8	87.5	No	0.004	NP (NDs)

FIGURE A.

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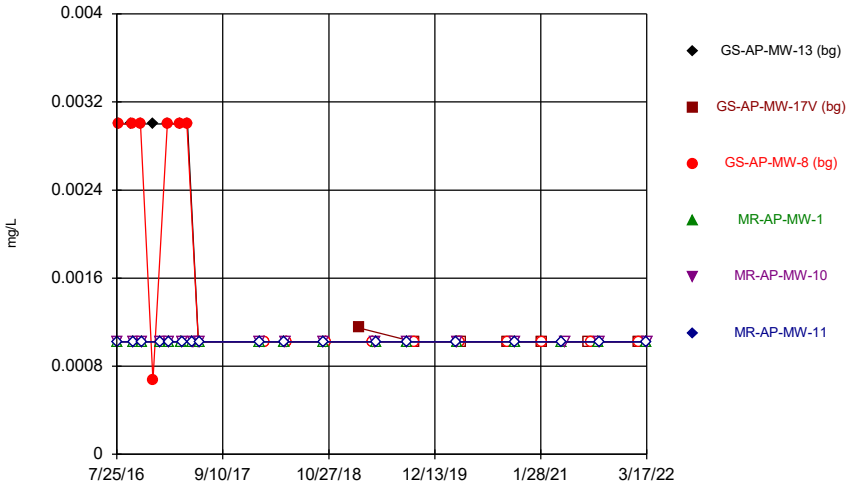
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 5/17/2022 5:08 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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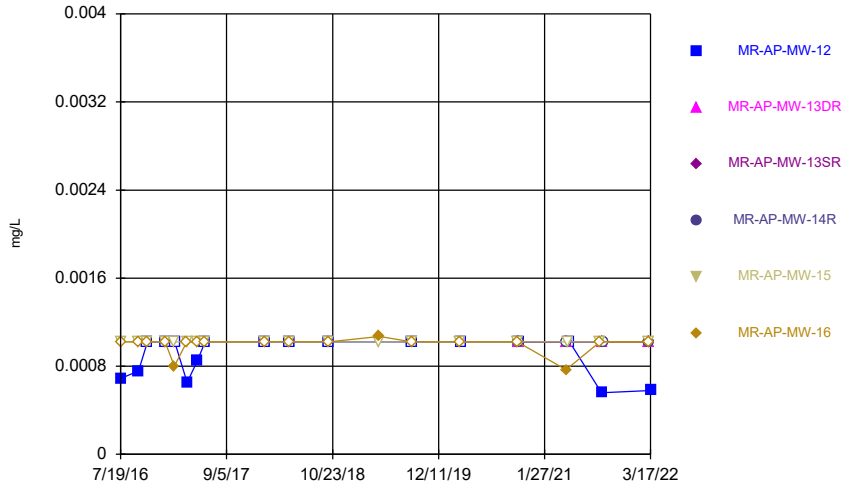

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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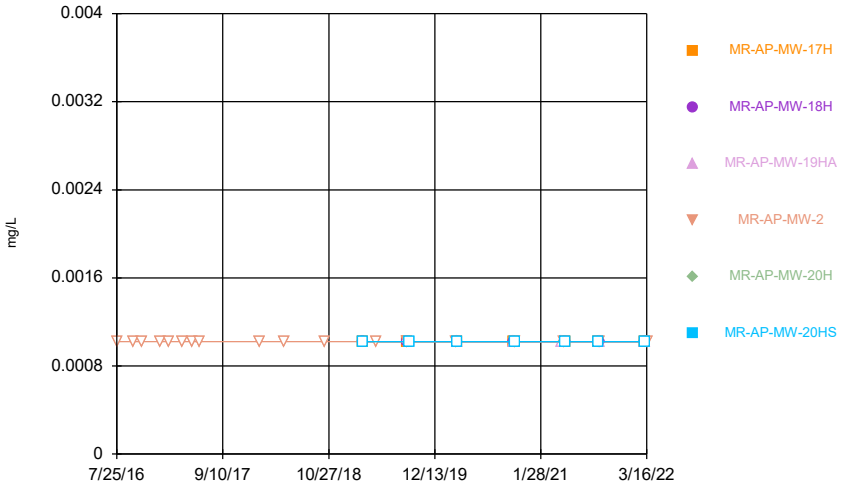

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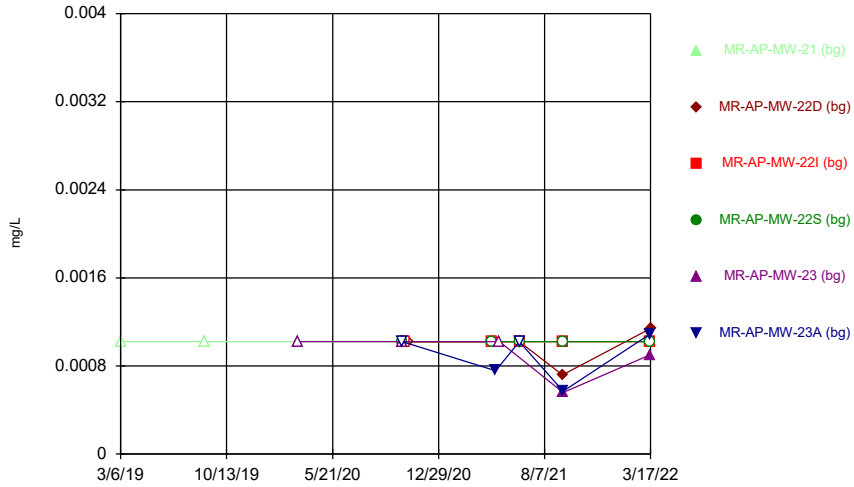

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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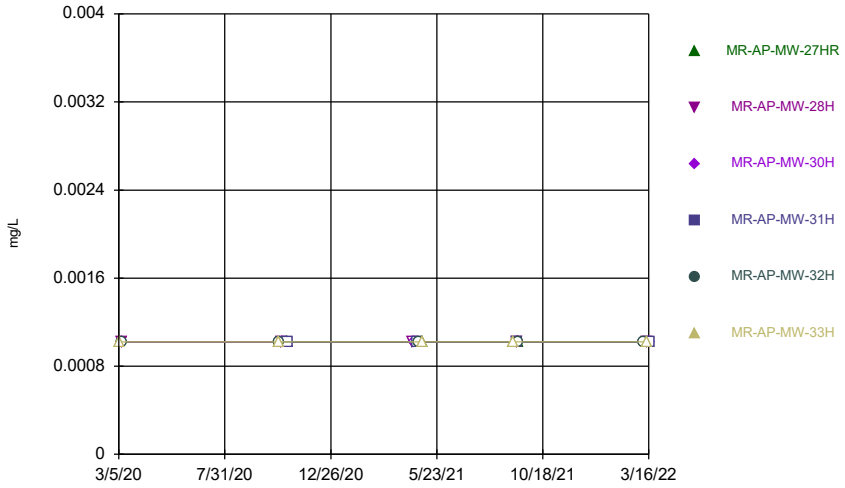

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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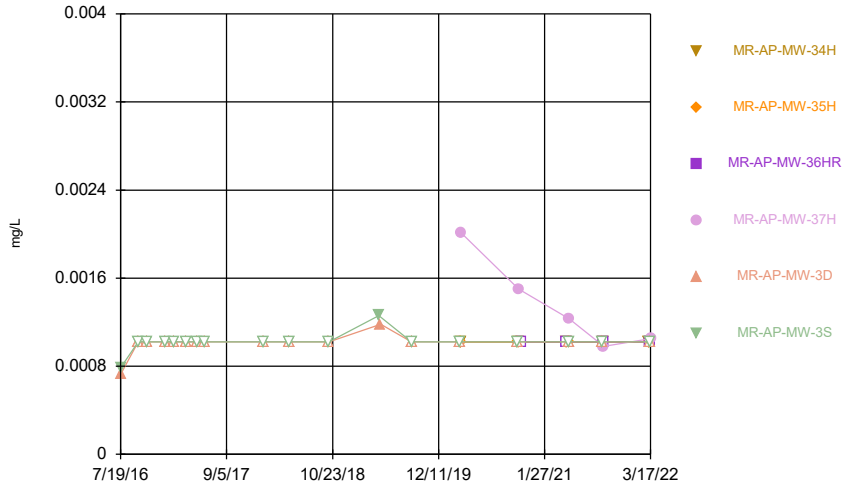

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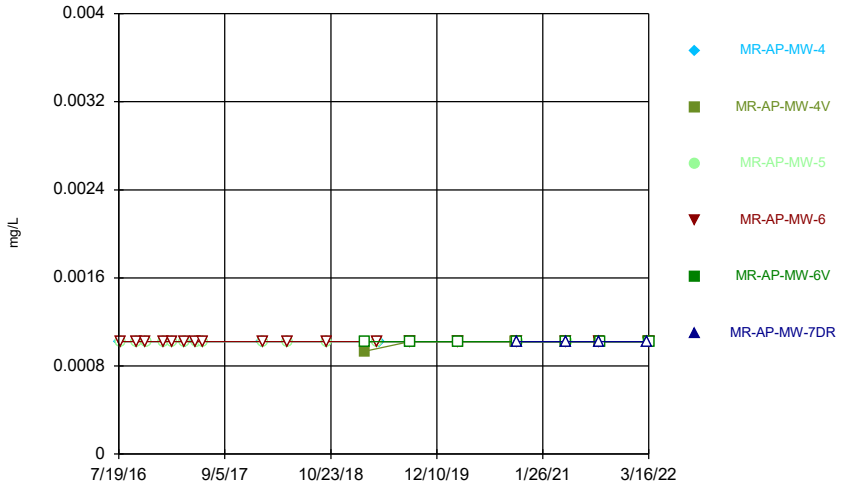

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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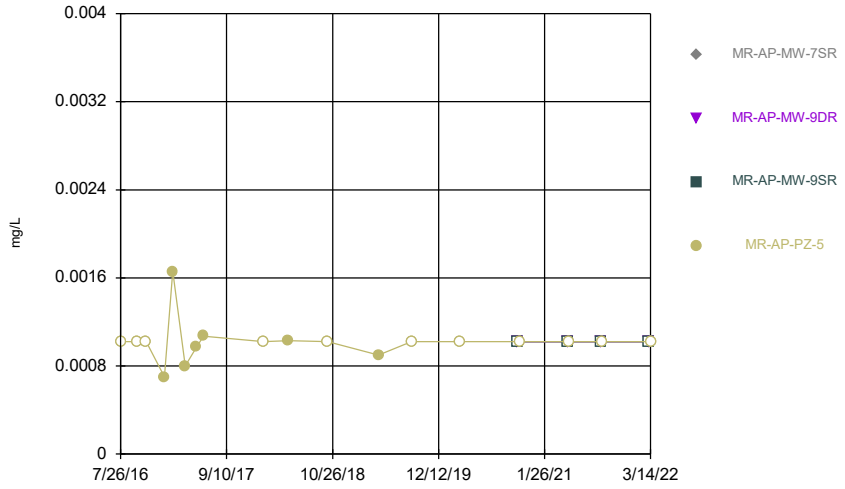

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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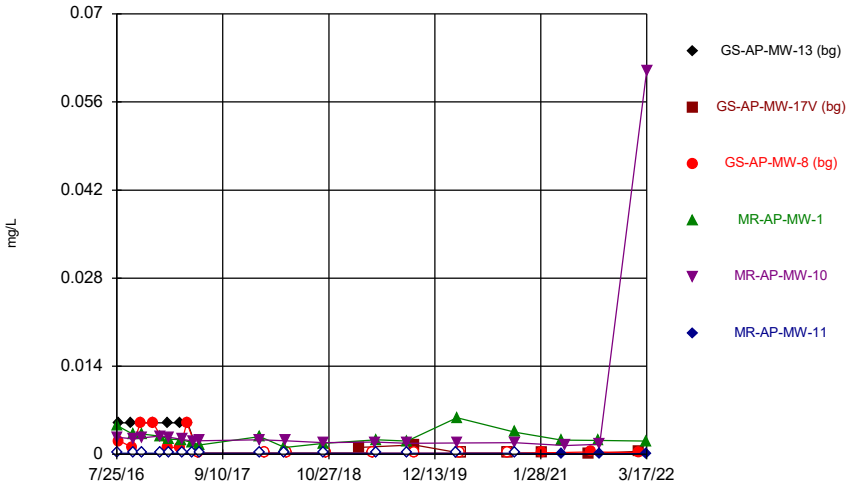

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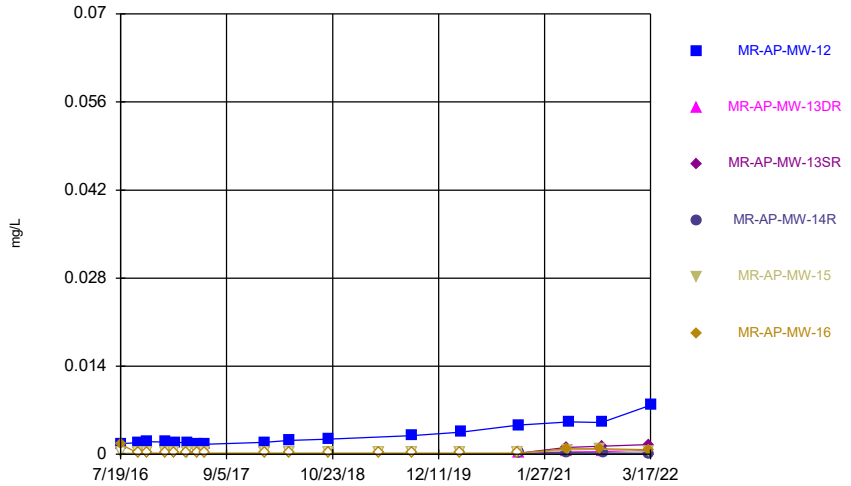

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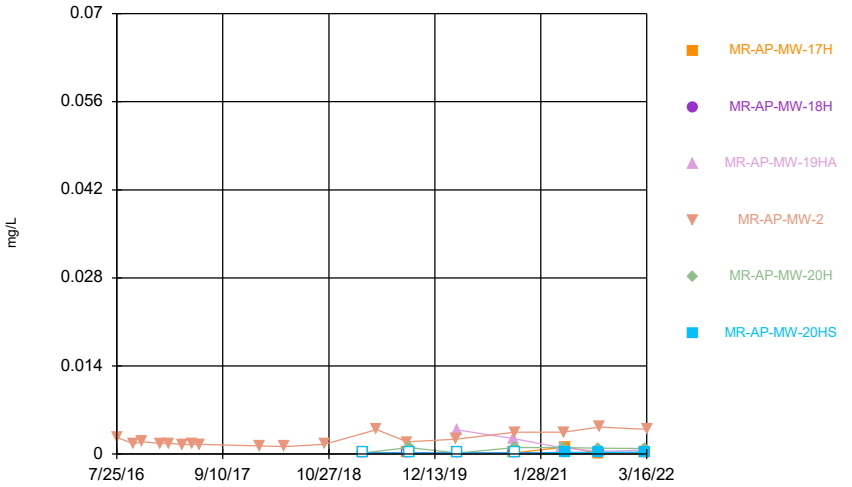

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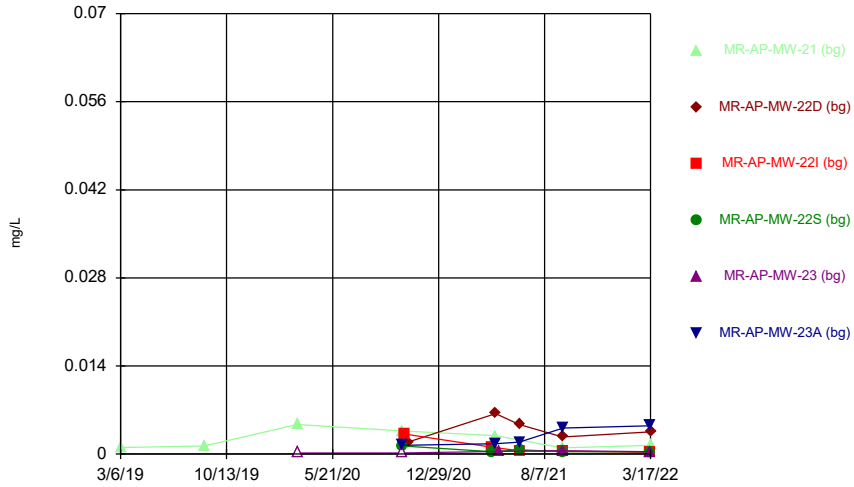

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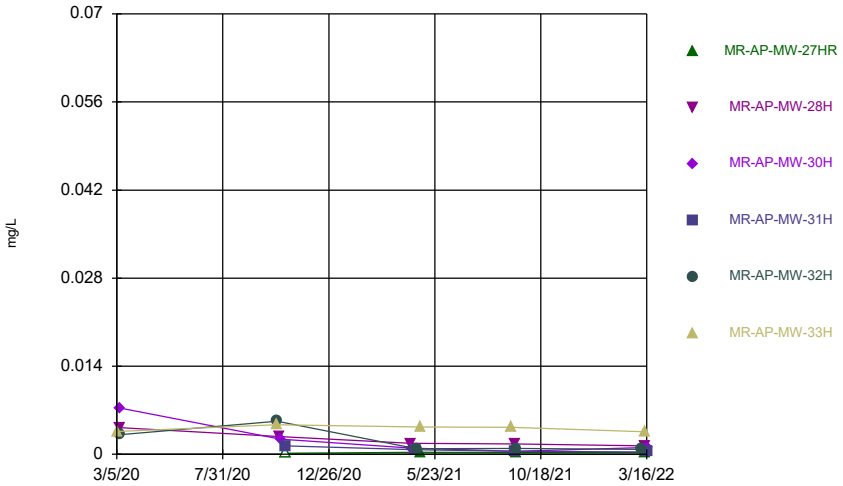

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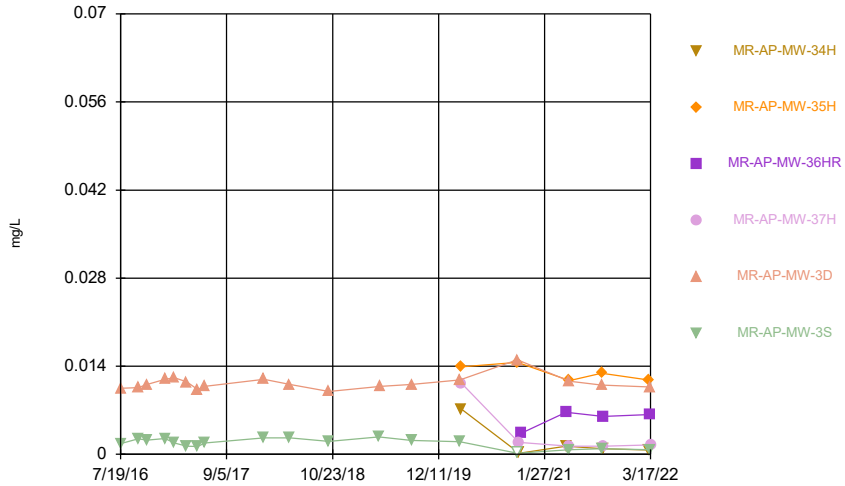

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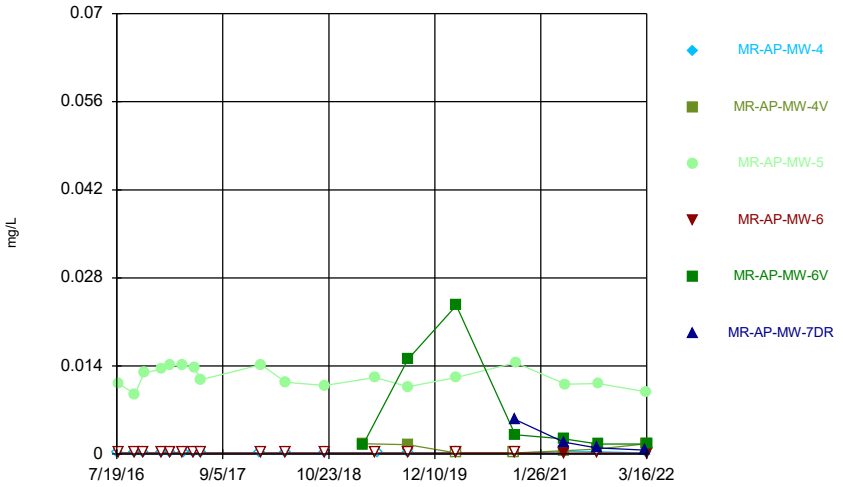

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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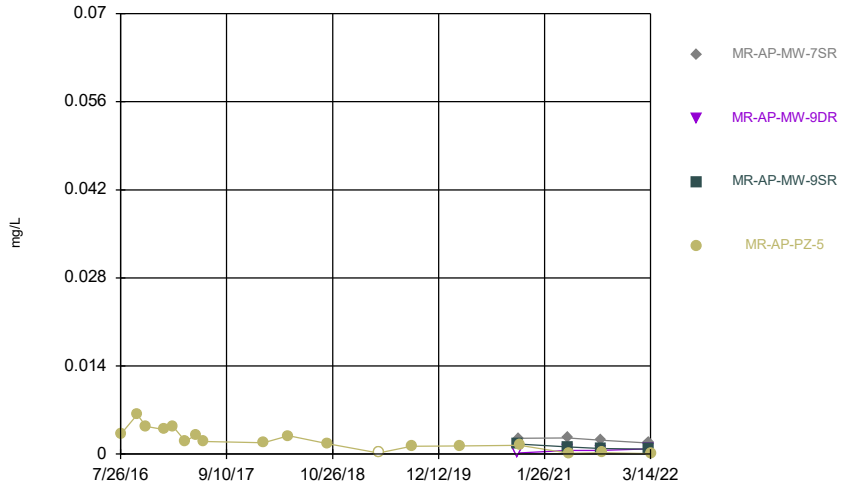

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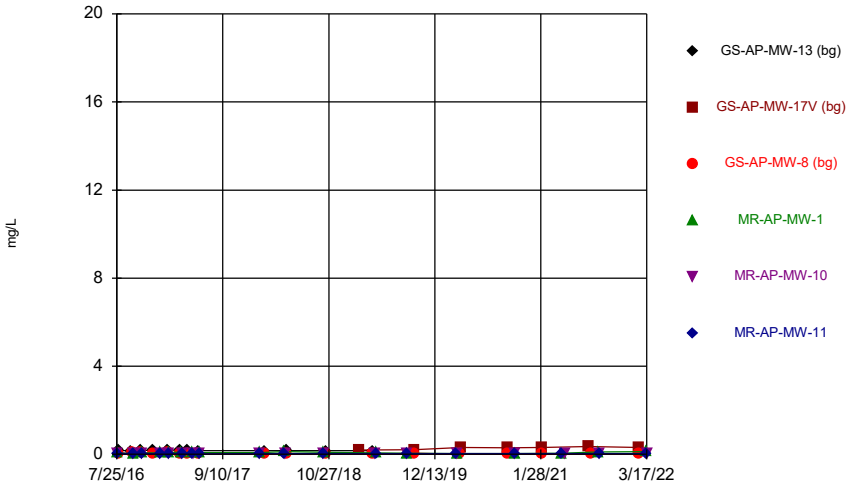
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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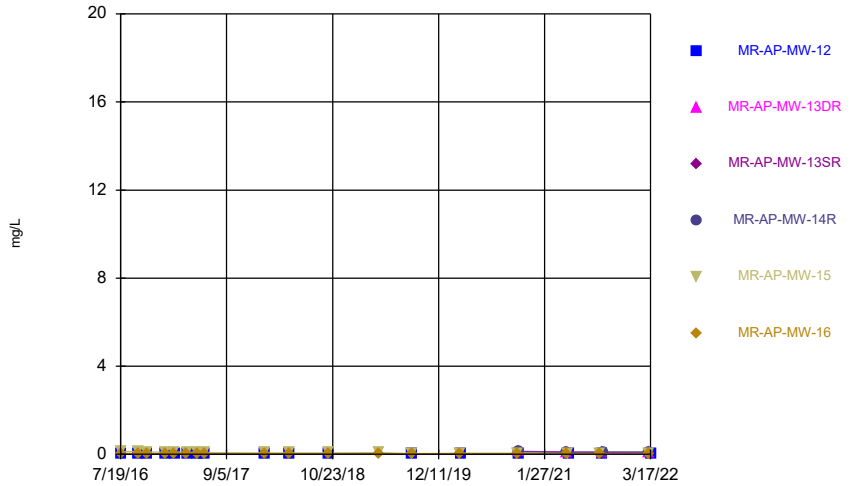
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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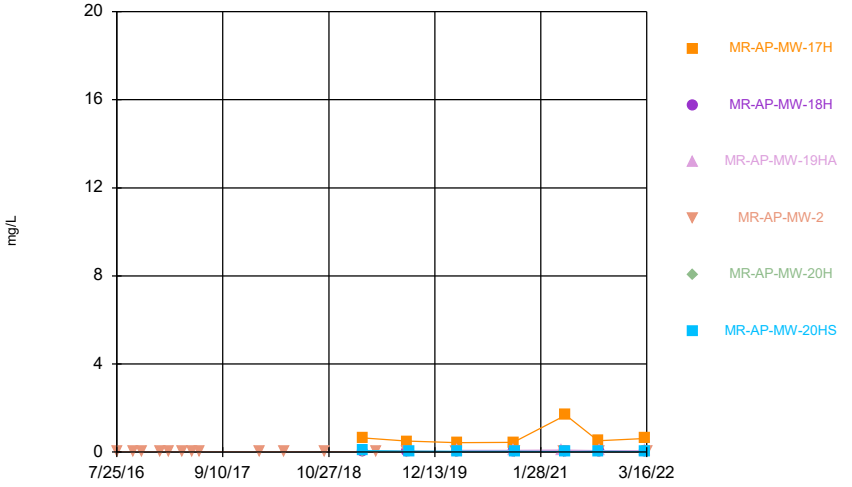

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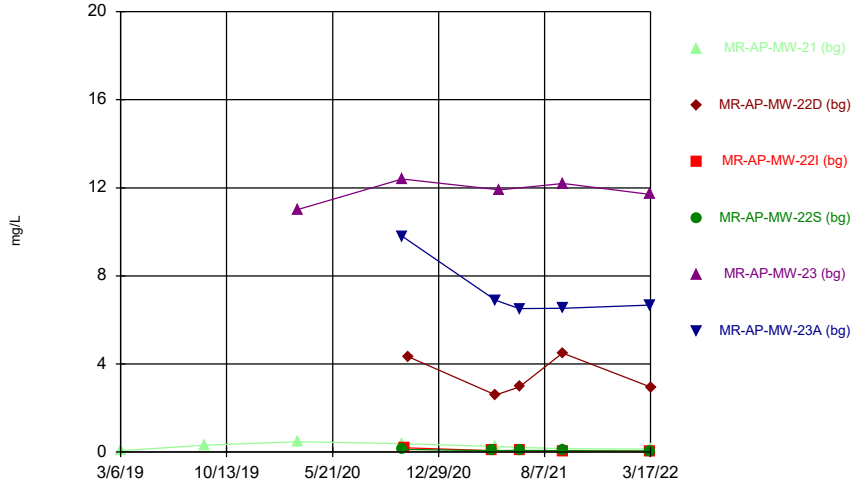

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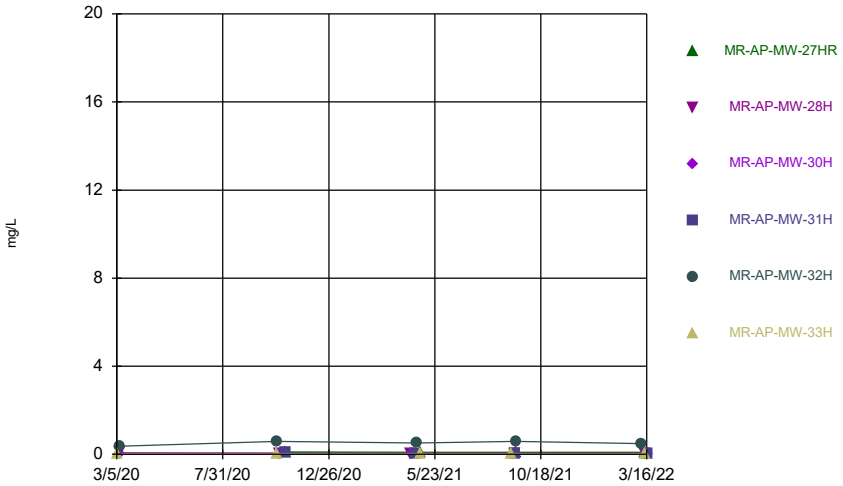

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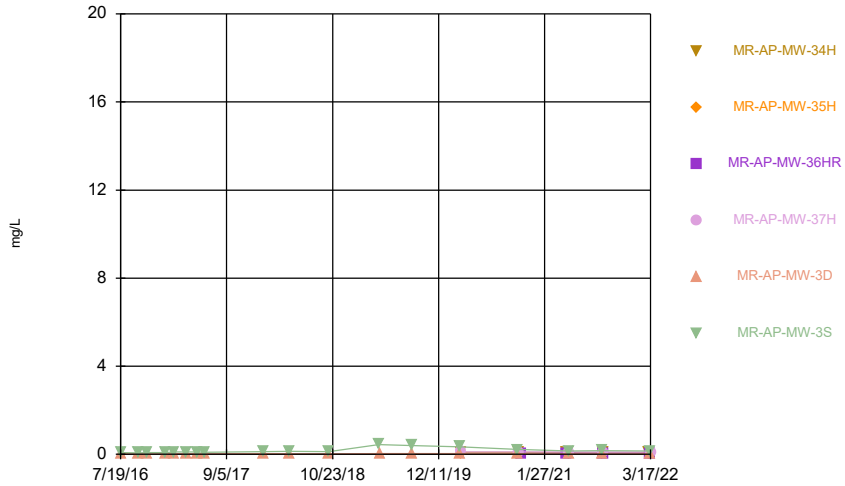
Sanitas™ v.9.6.33 . UG

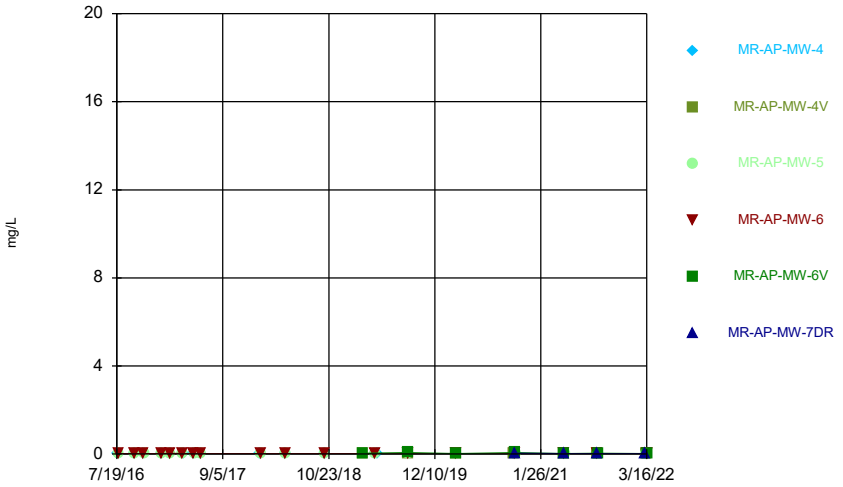
Time Series



Constituent: Barium Analysis Run 5/17/2022 5:08 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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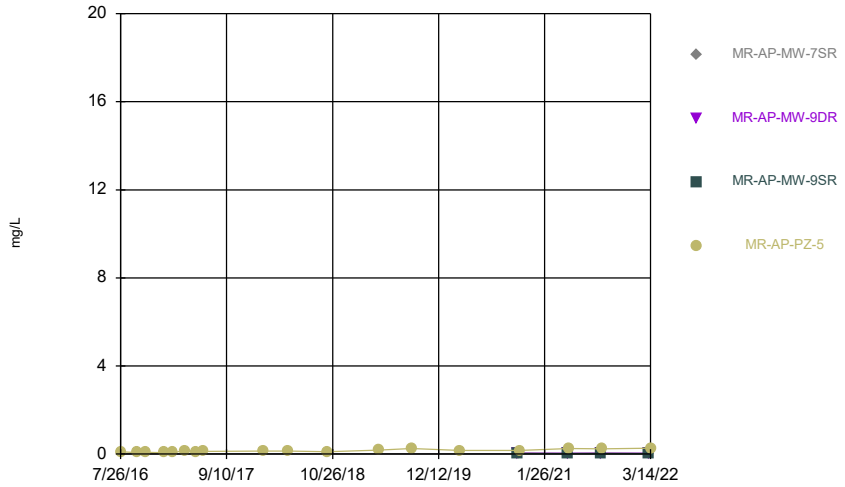
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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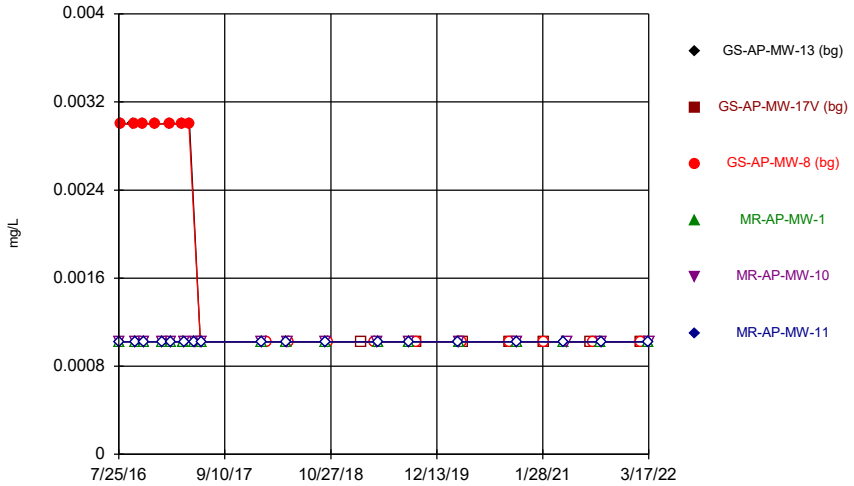
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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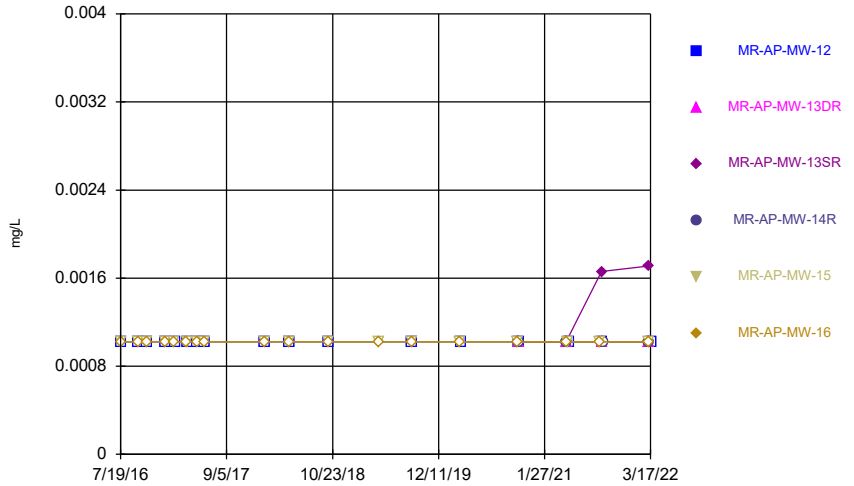
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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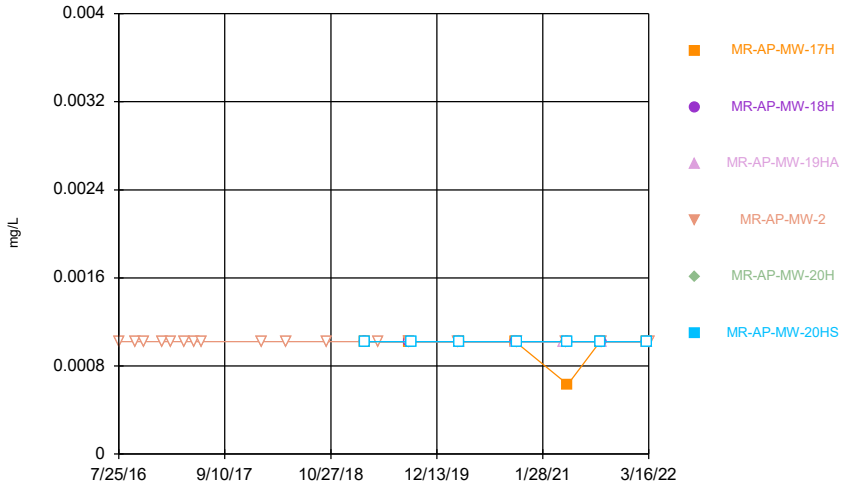
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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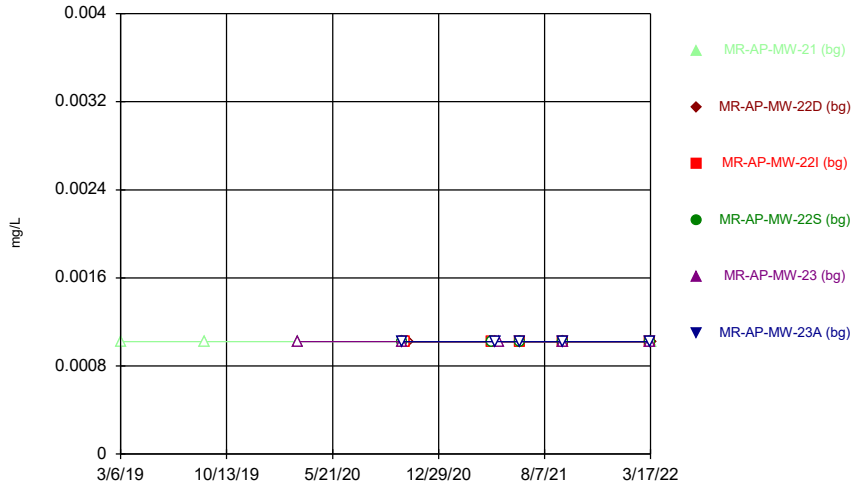
Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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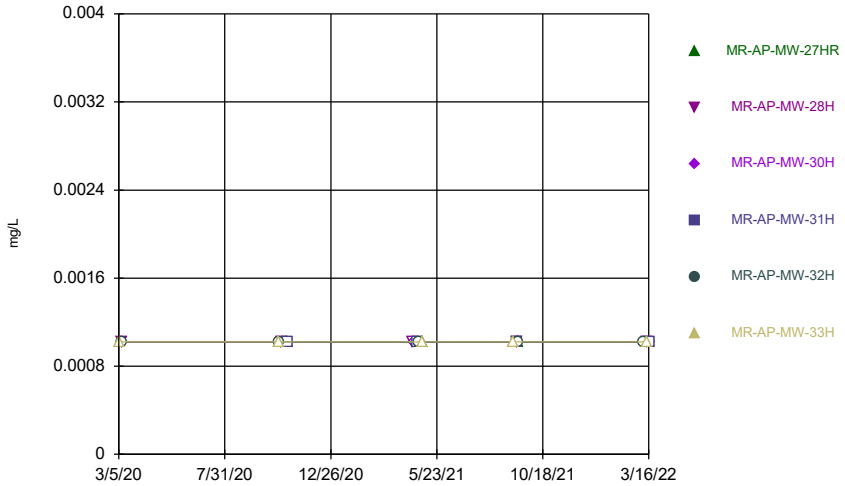
Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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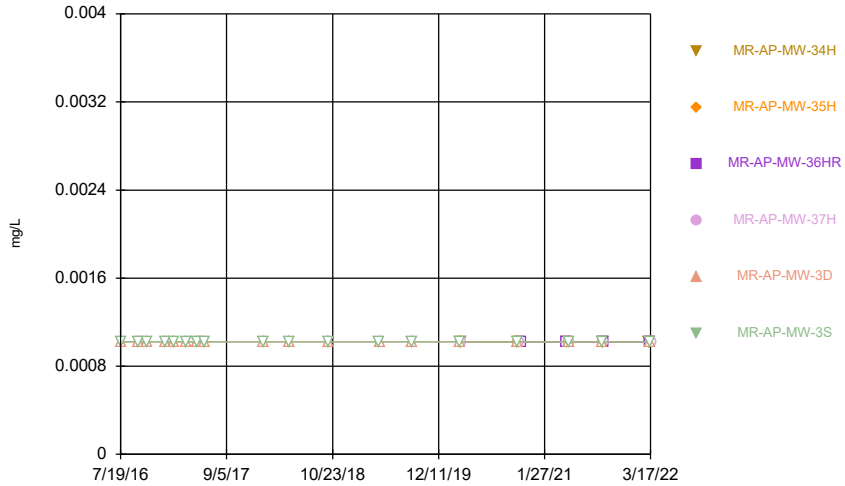
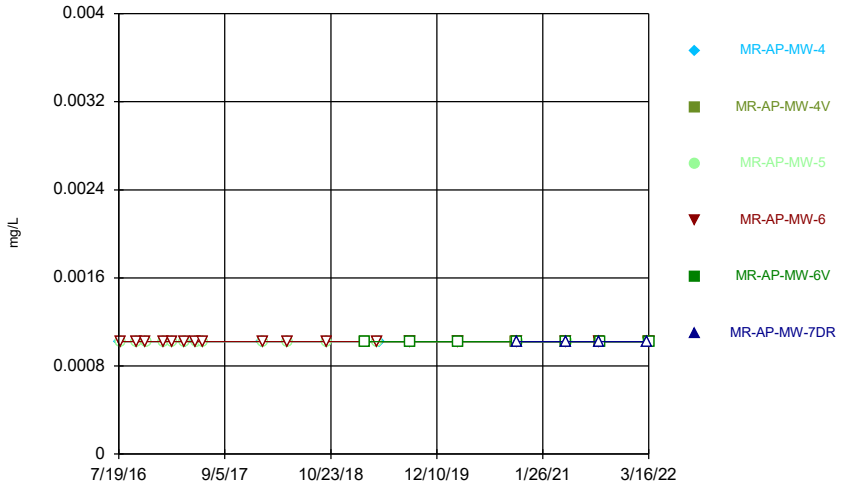
Time Series



Constituent: Beryllium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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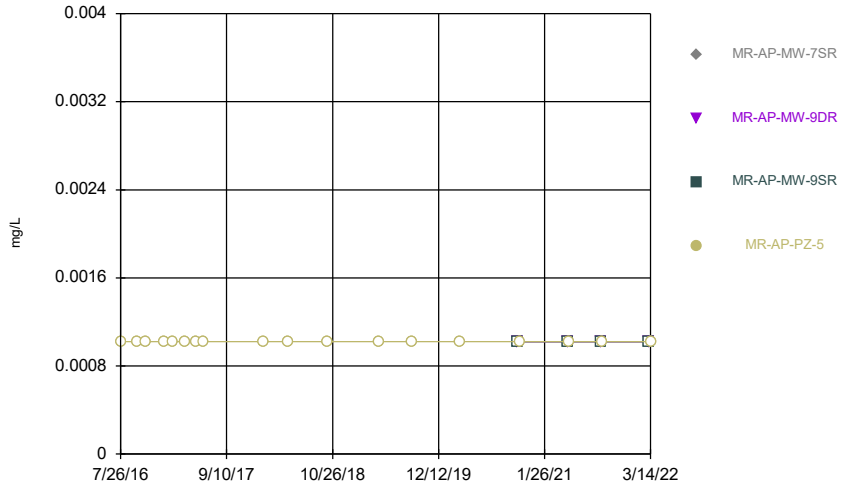
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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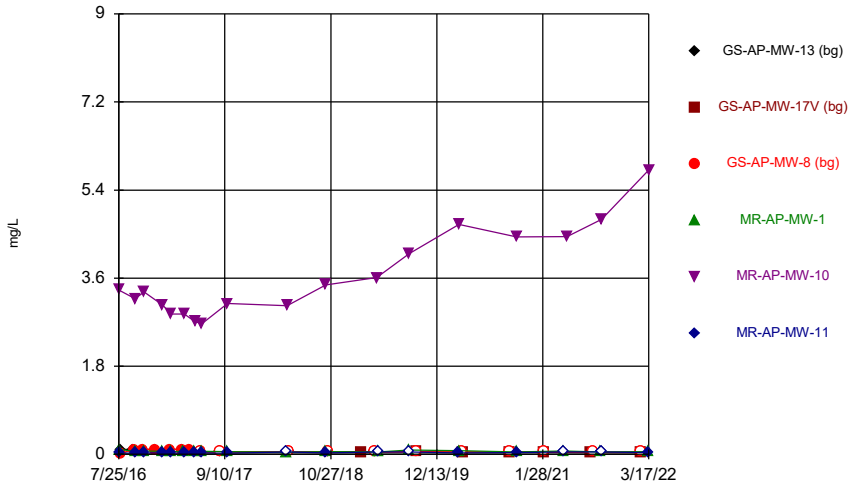
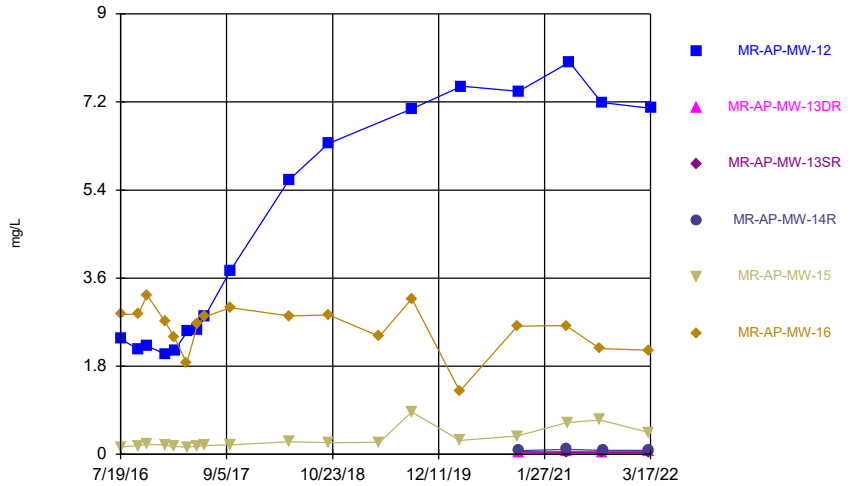
Time Series



Constituent: Boron, total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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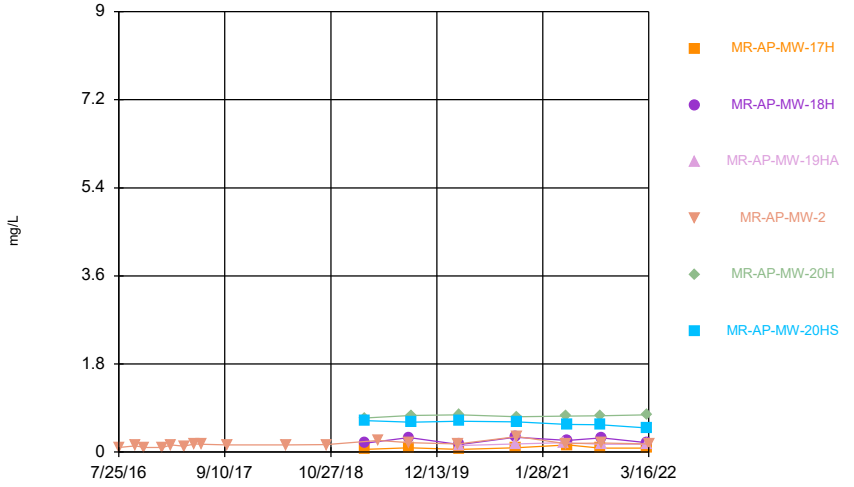
Time Series



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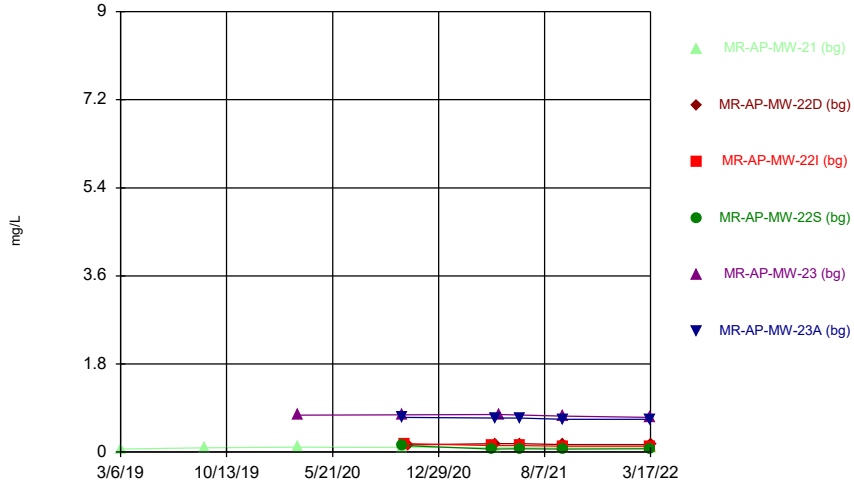
Sanitas™ v.9.6.33 . UG

Time Series



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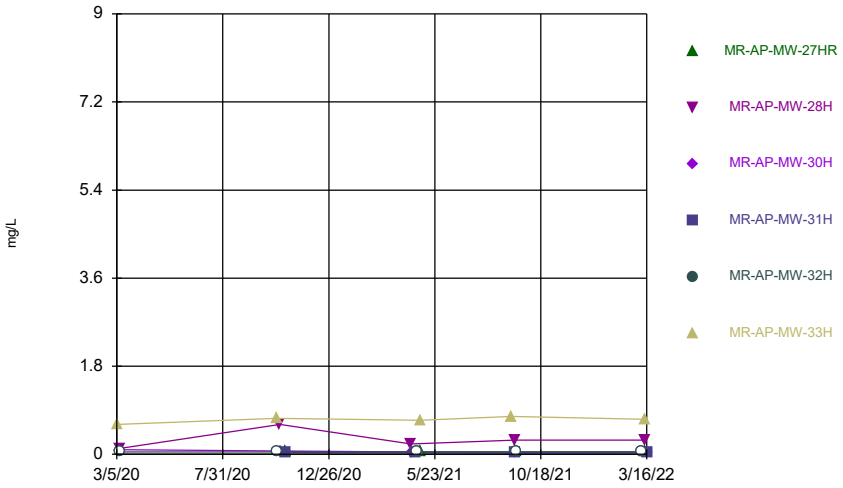
Time Series



Constituent: Boron, total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
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Sanitas™ v.9.6.33 . UG
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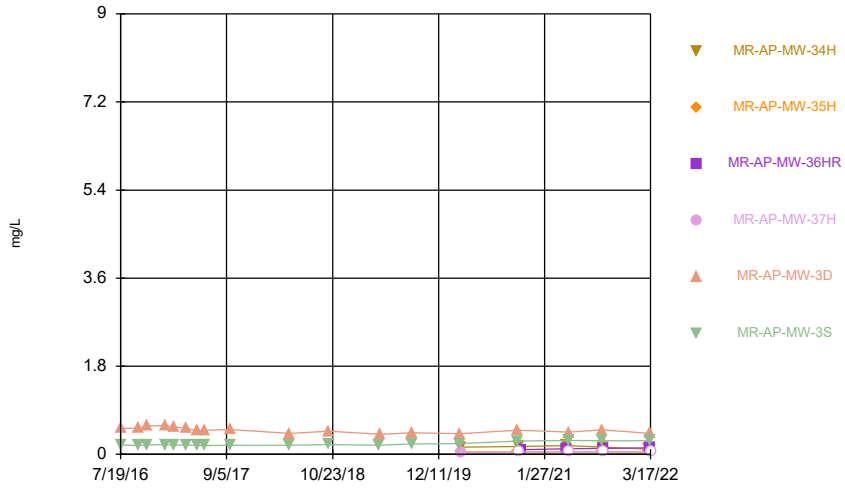
Time Series



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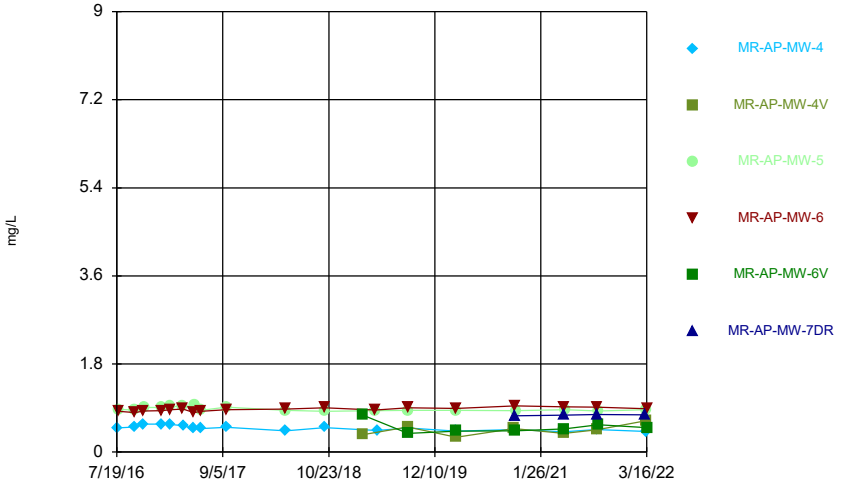
Time Series



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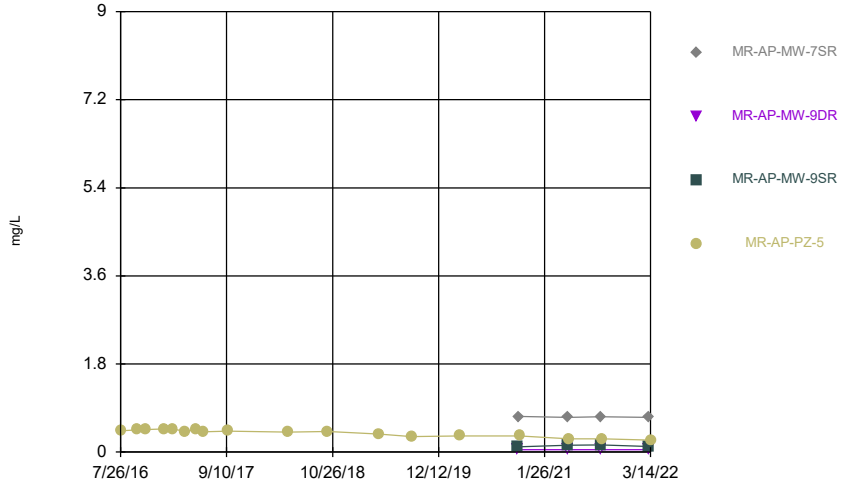
Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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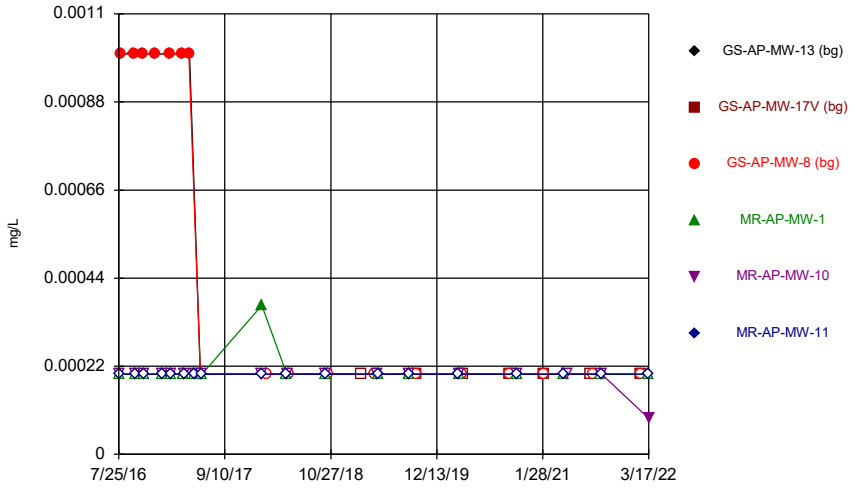
Time Series



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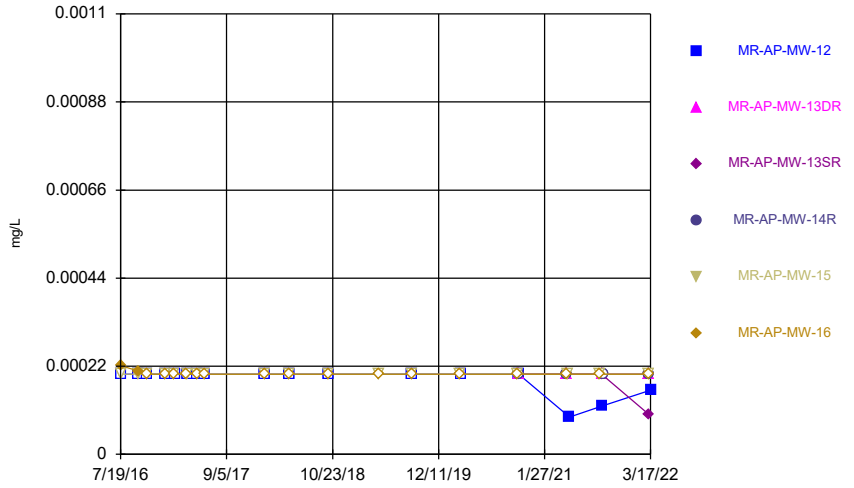
Time Series



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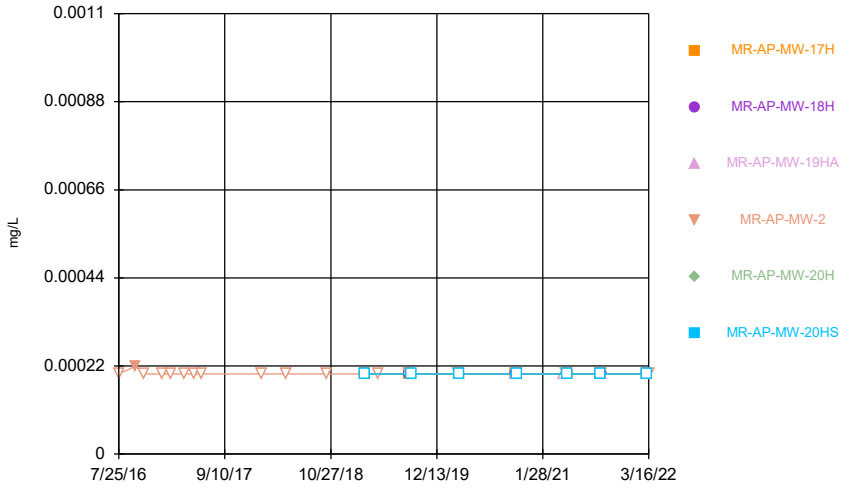

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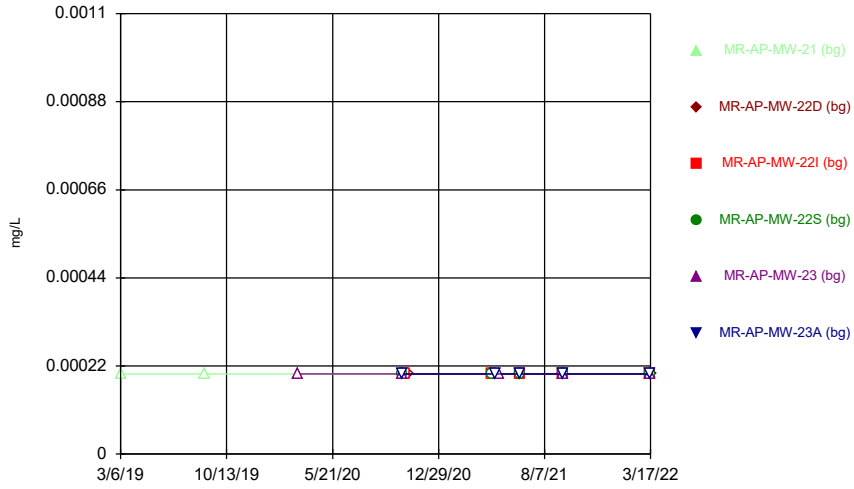

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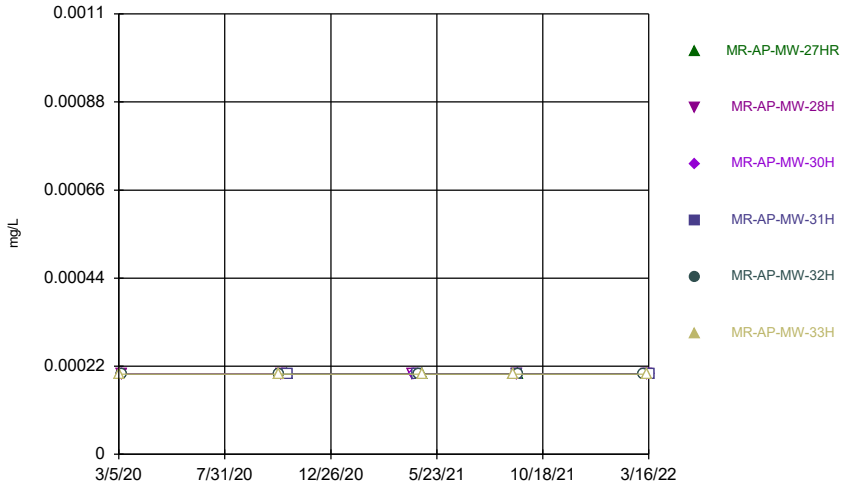

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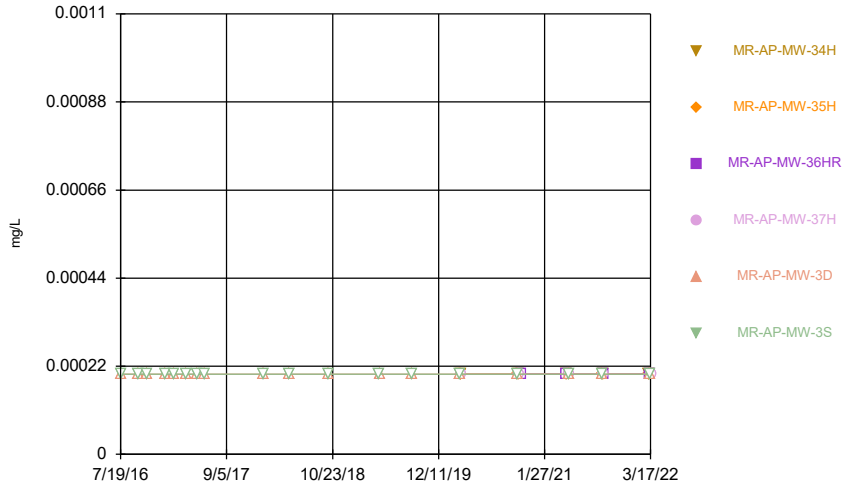

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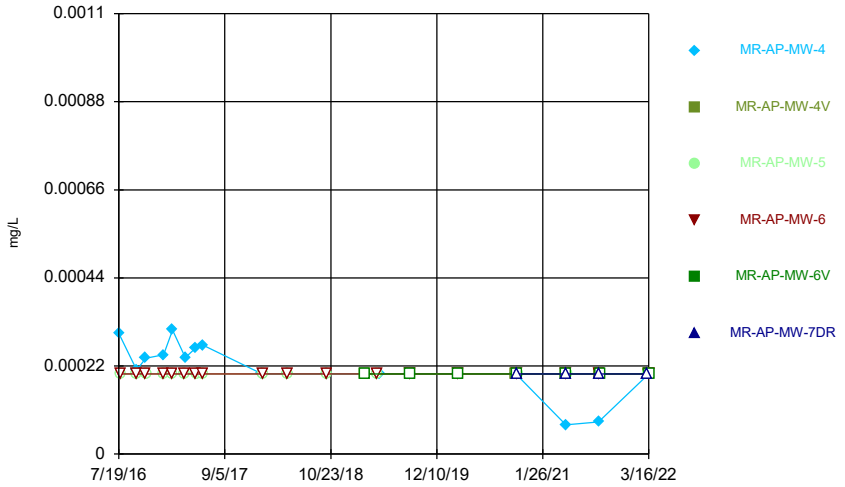
Time Series



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Sanitas™ v.9.6.33 . UG
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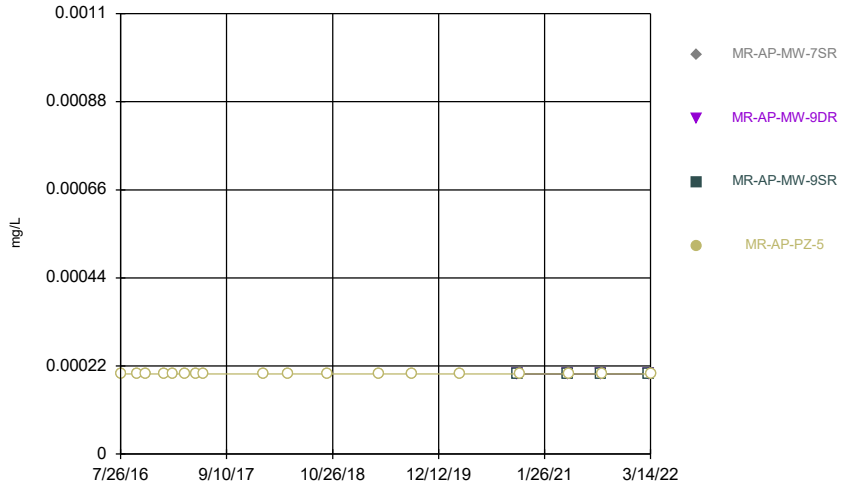
Time Series



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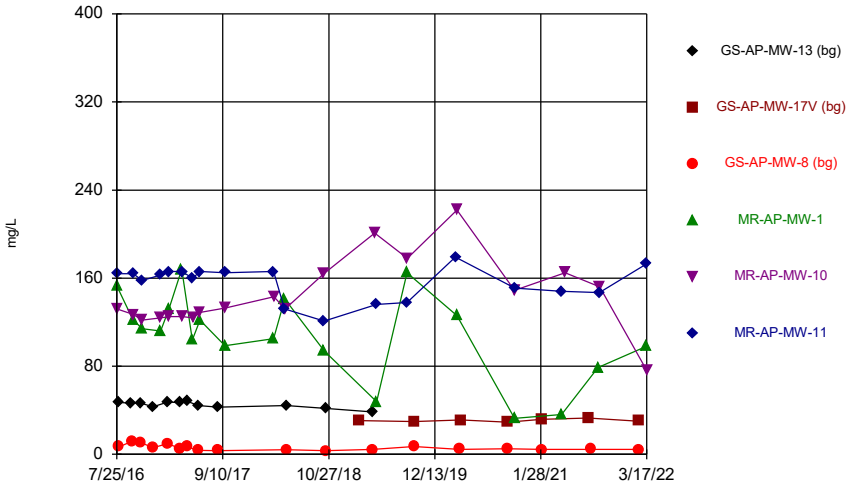
Sanitas™ v.9.6.33 . UG

Time Series



Constituent: Calcium, total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
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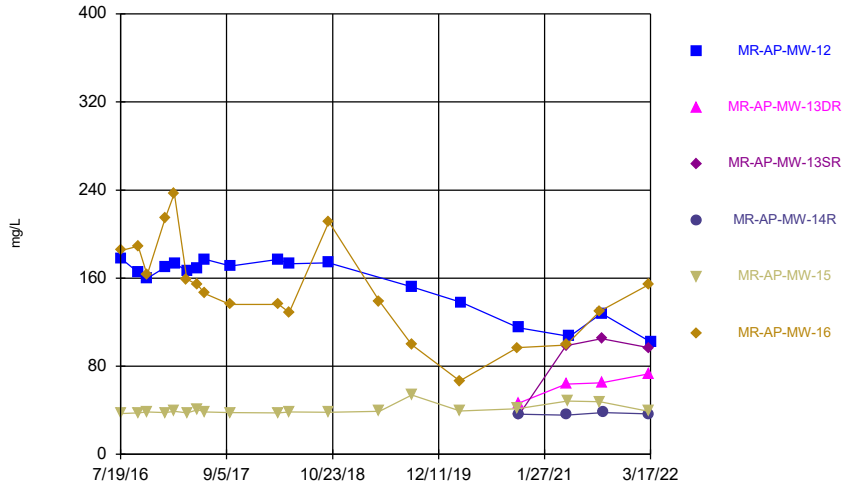
Sanitas™ v.9.6.33 . UG

Time Series



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Sanitas™ v.9.6.33 . UG

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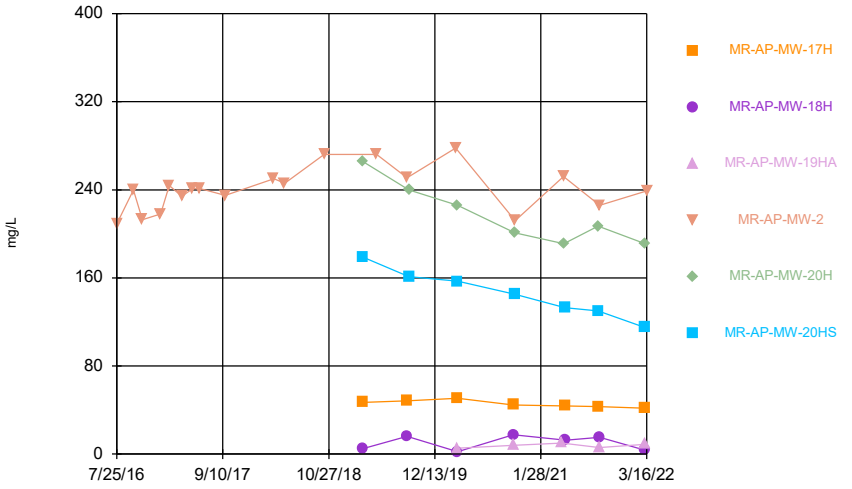

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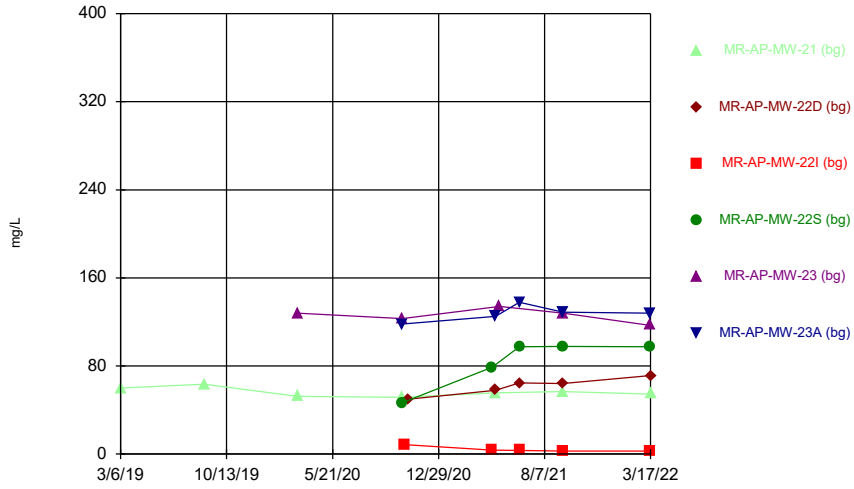

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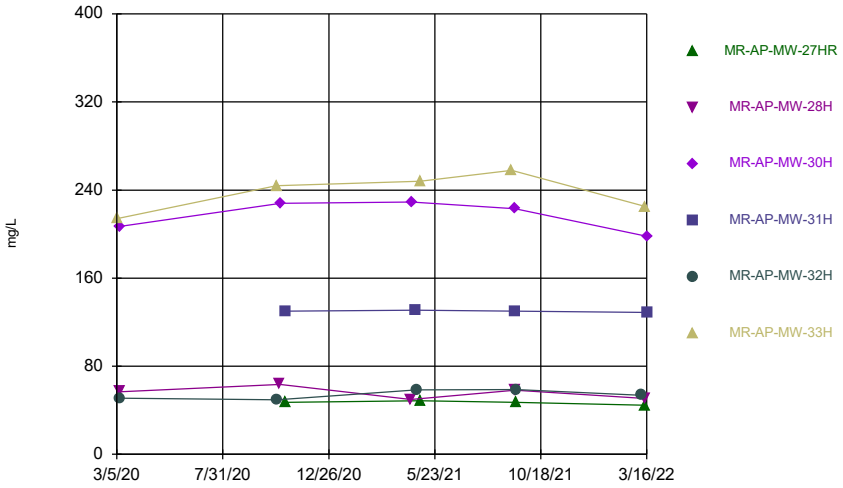

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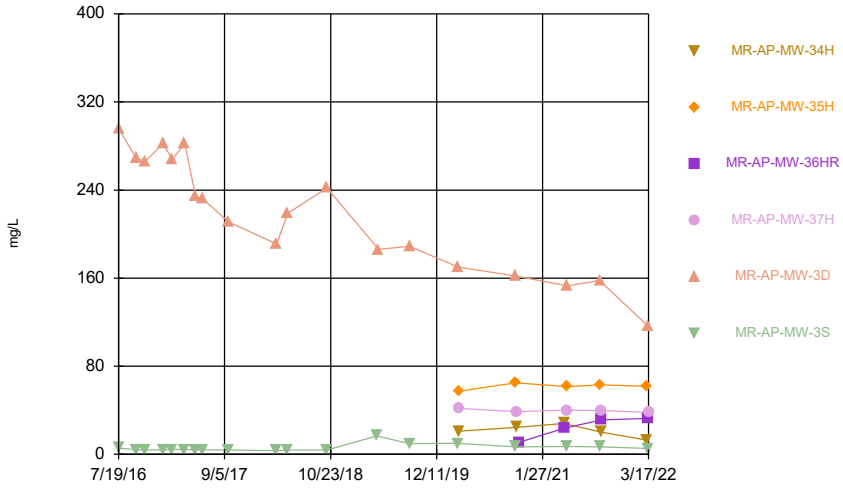

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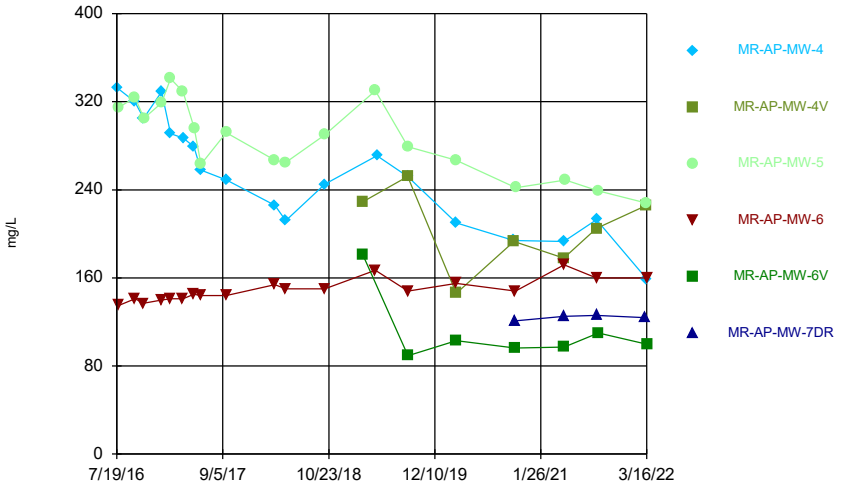

Constituent: Calcium, total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
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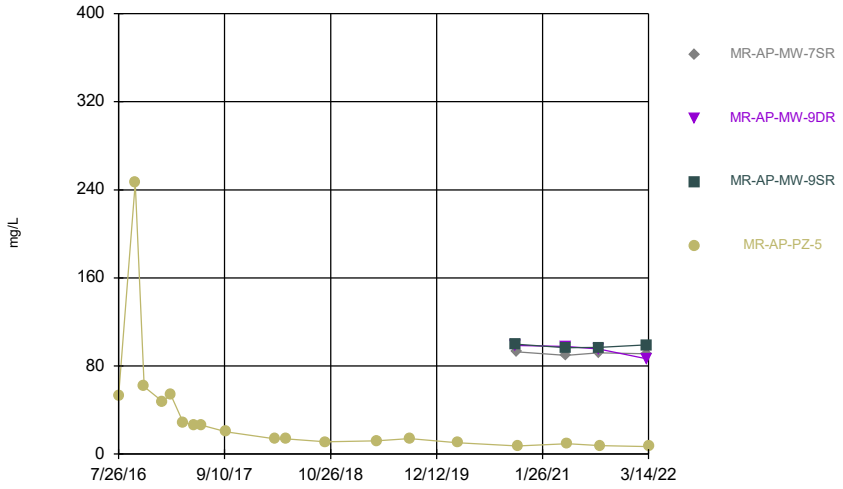
Time Series



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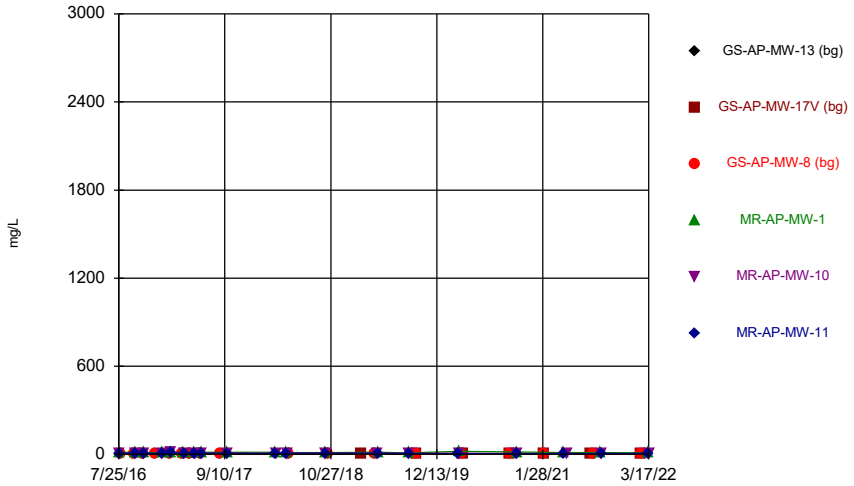
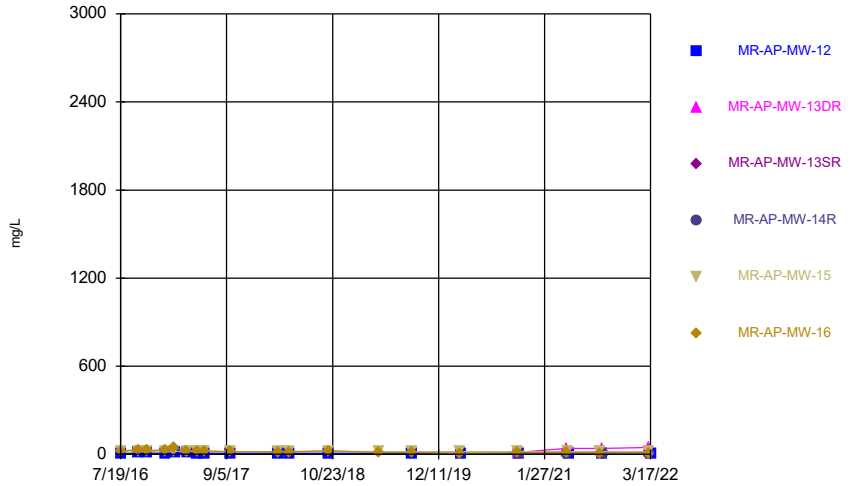


Constituent: Chloride, Total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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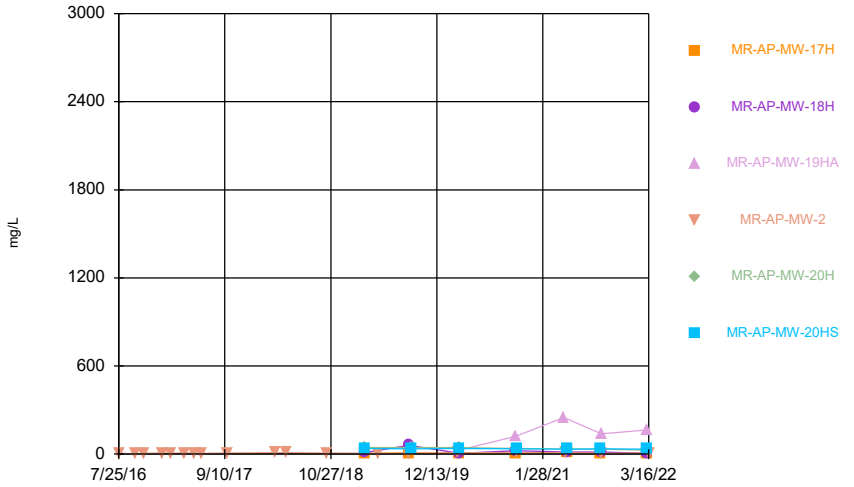
Time Series



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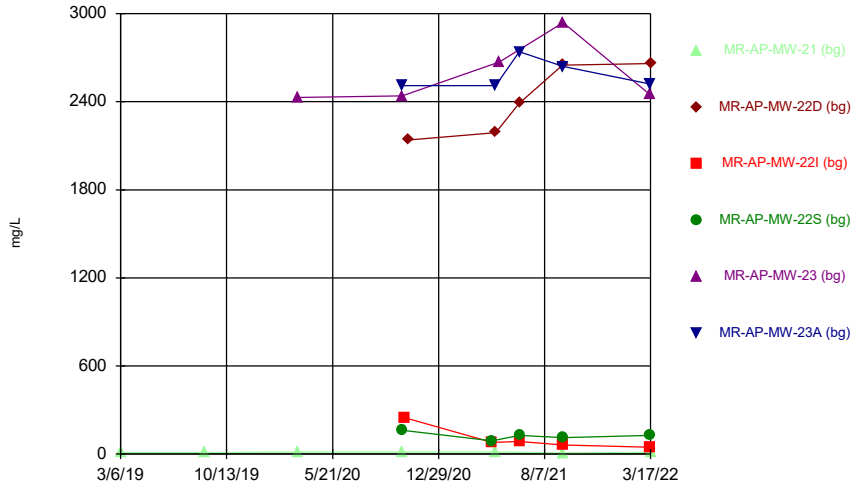

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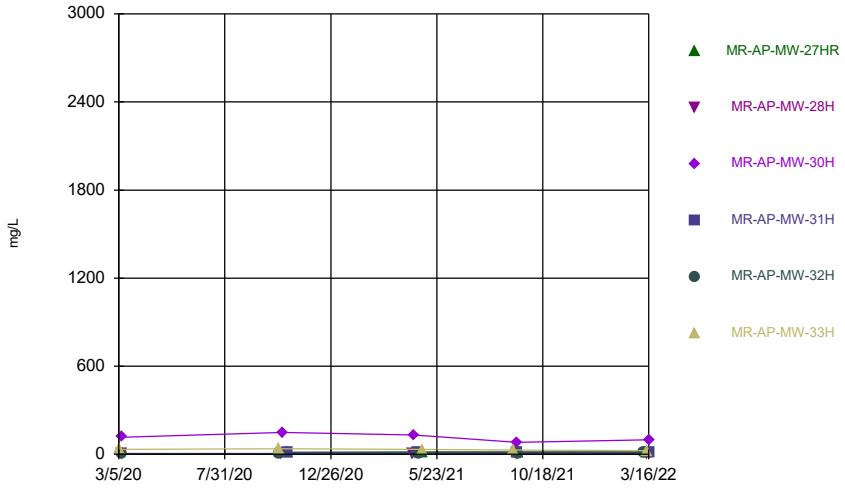

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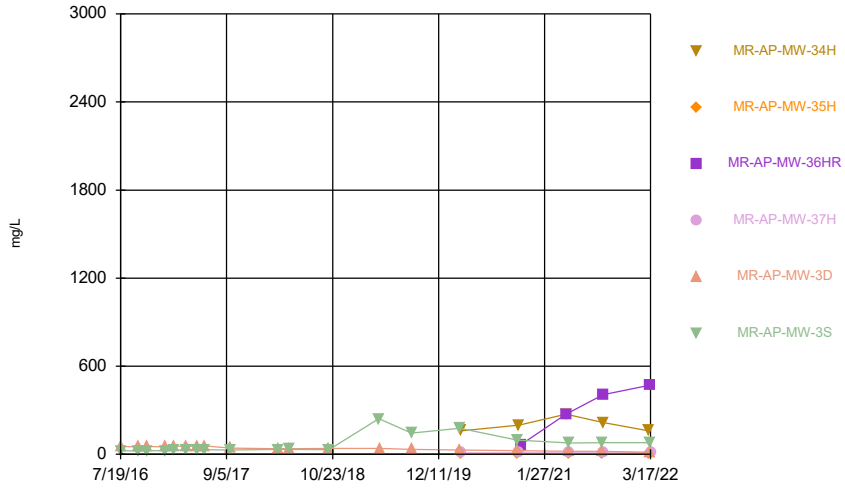

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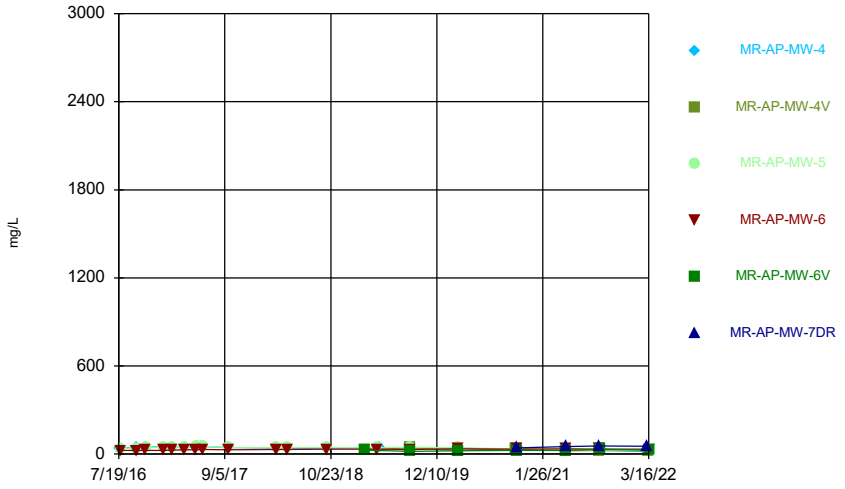
Sanitas™ v.9.6.33 . UG

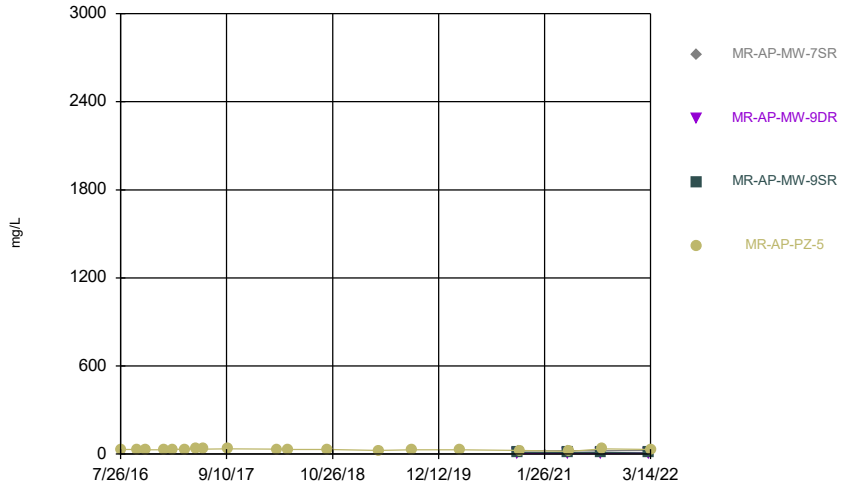
Time Series



Constituent: Chloride, Total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

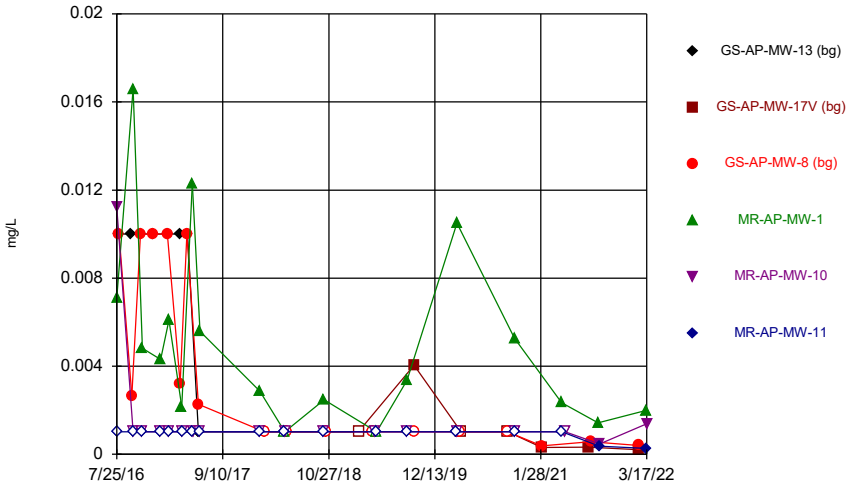
Time Series



Constituent: Chloride, Total Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

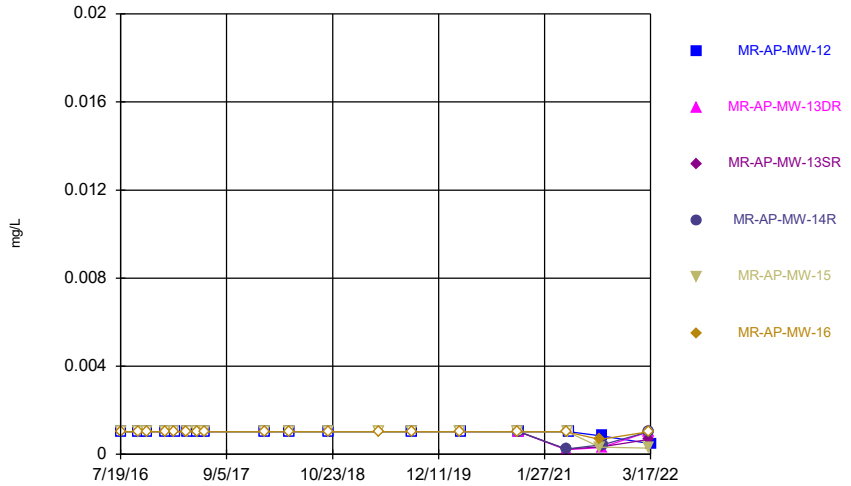
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

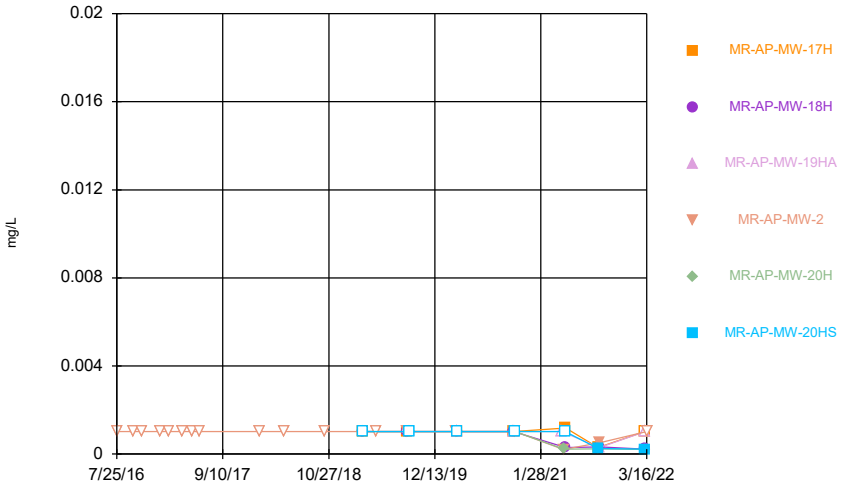
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

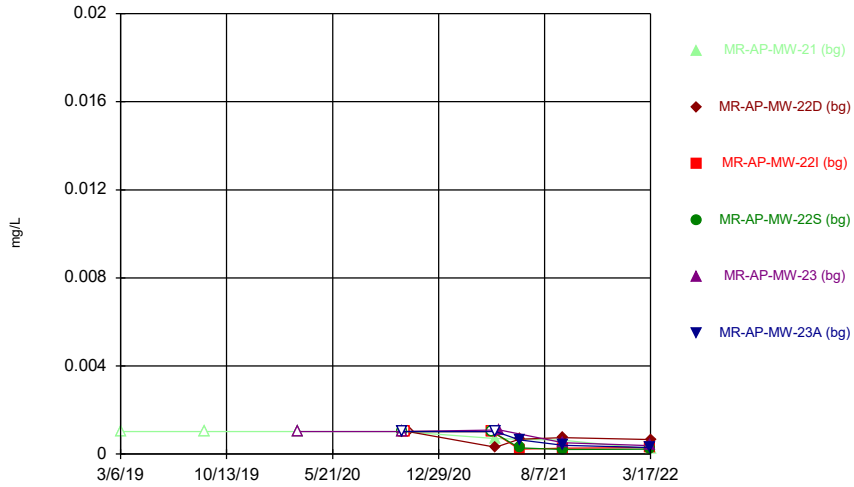
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

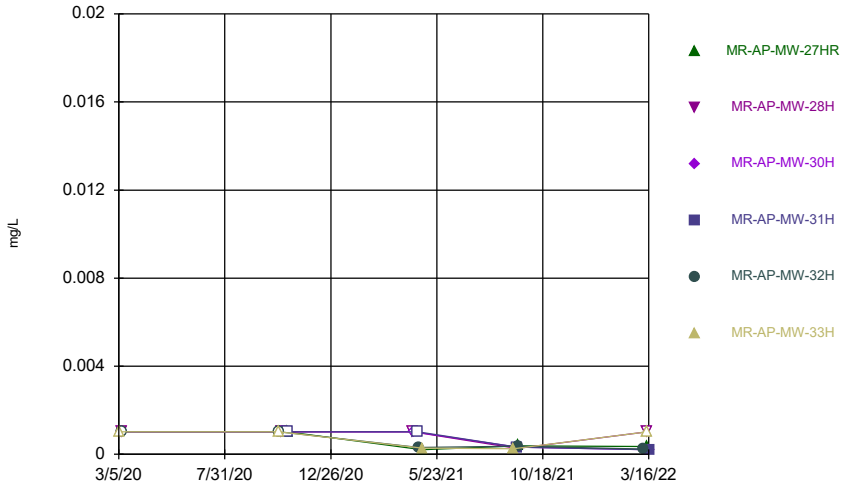
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

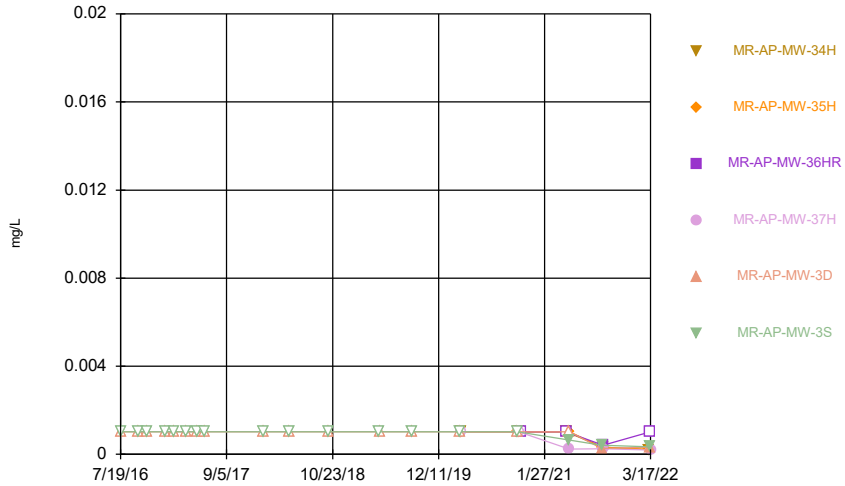
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

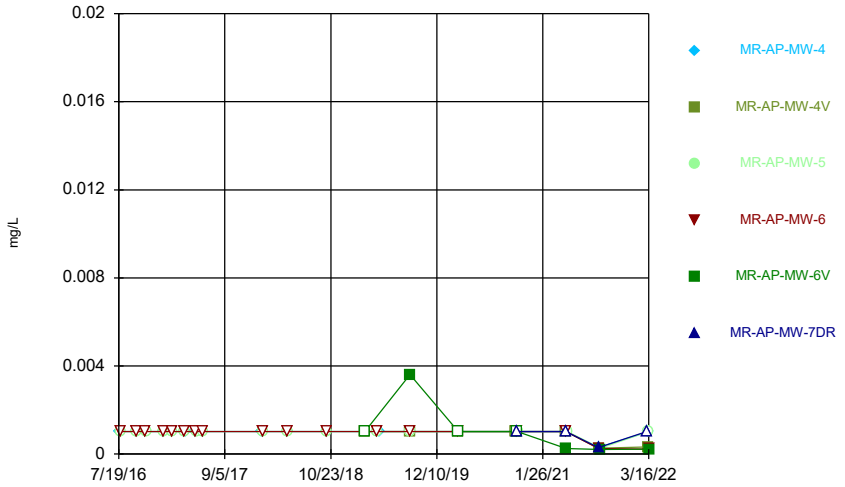
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

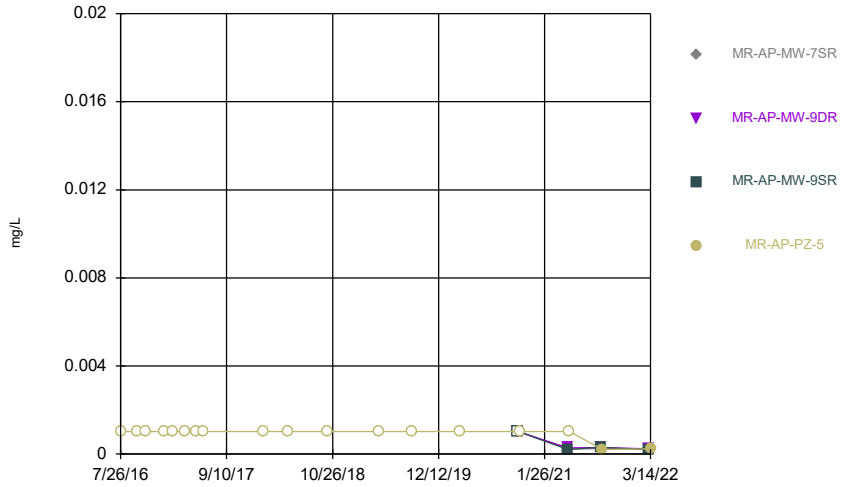
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

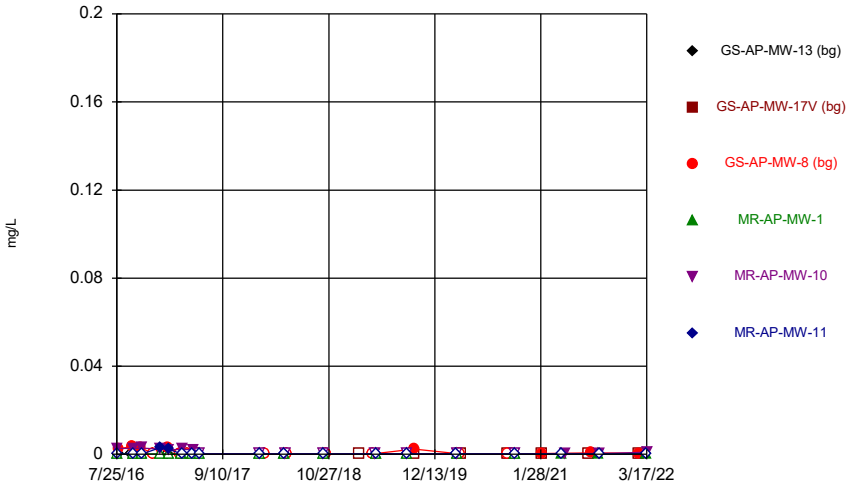
Time Series



Constituent: Chromium Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

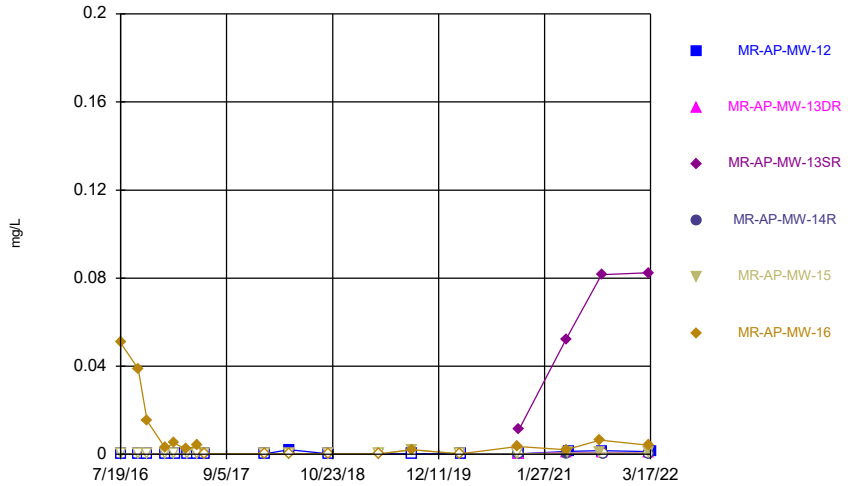
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

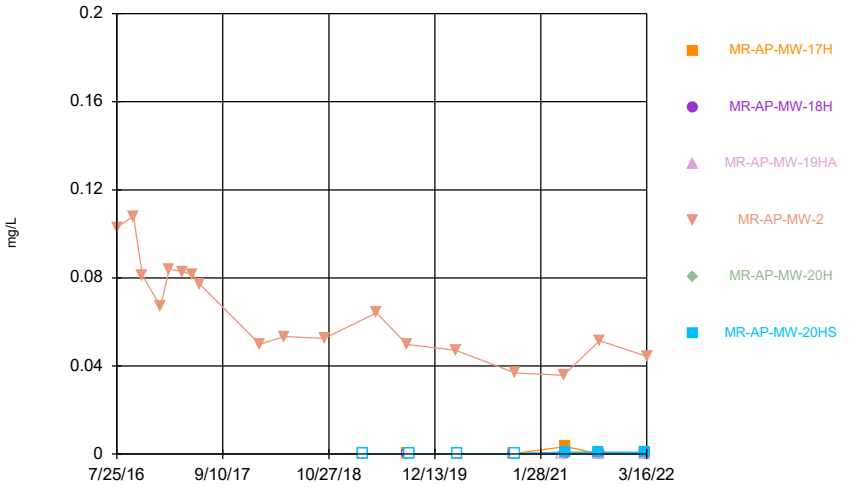
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

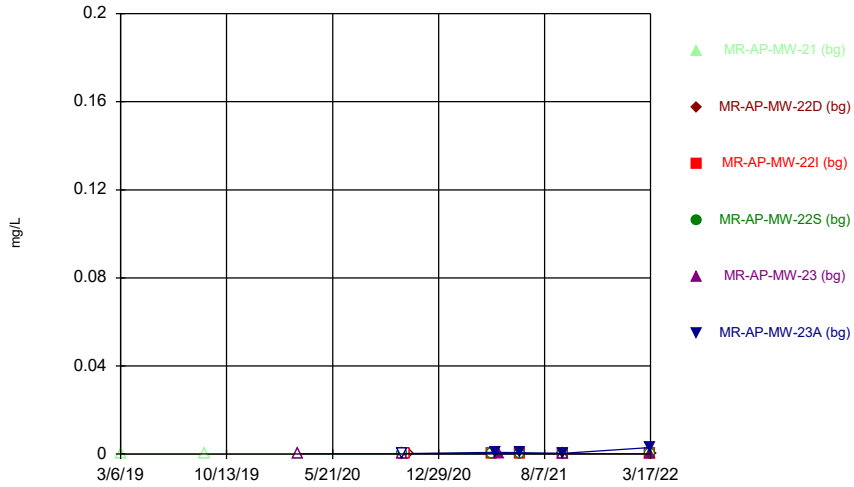
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

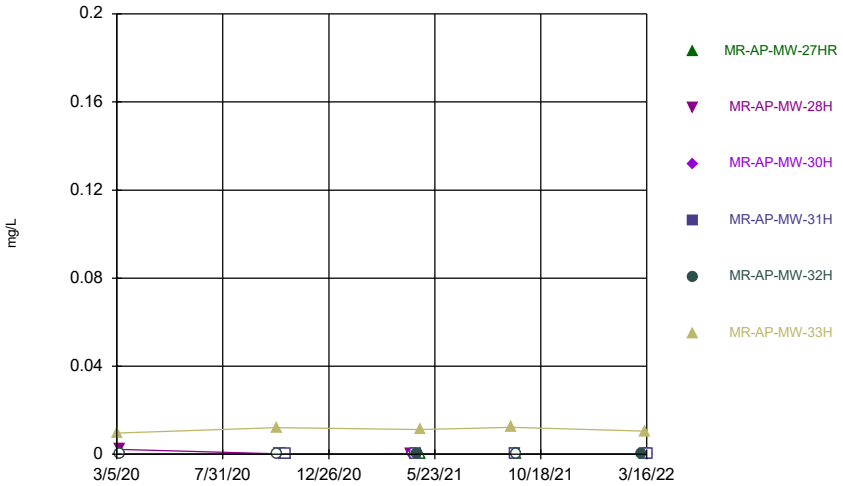
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

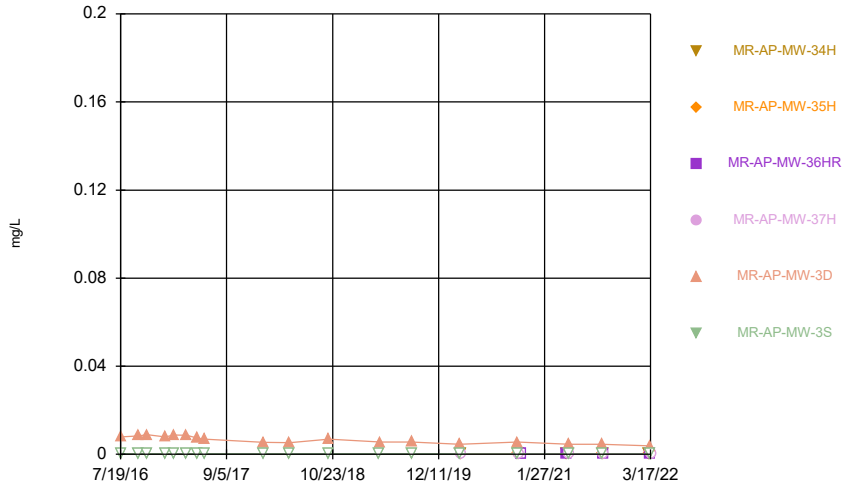
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

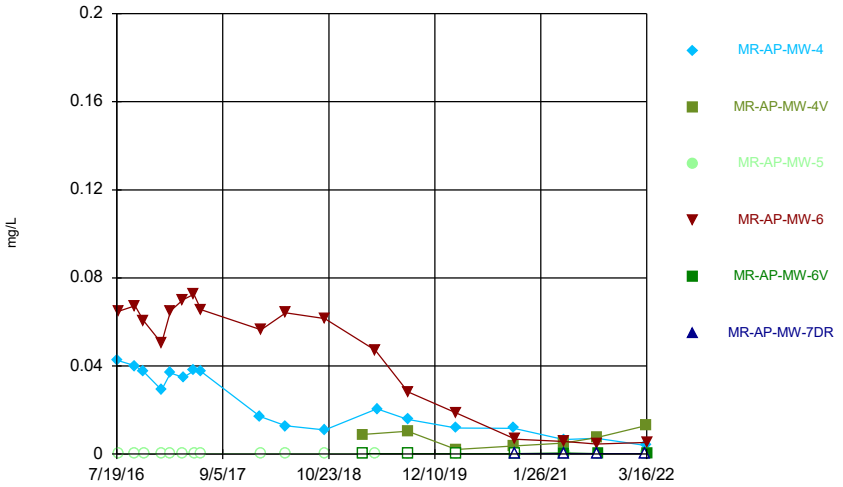
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

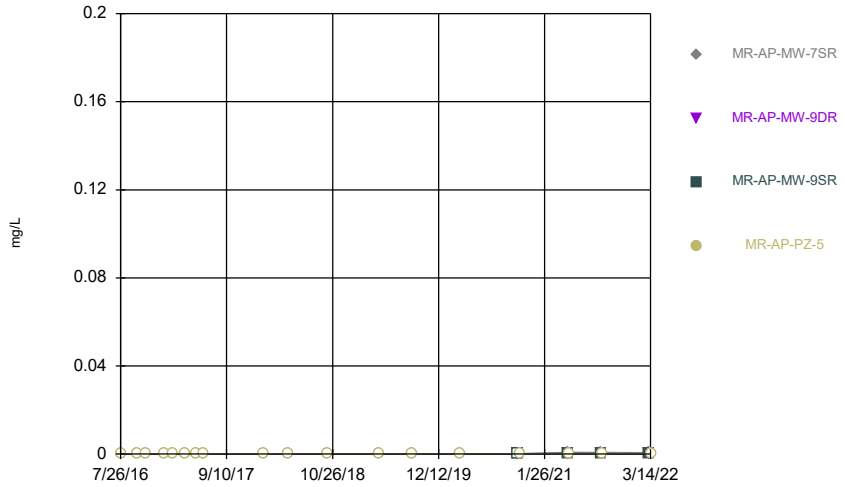
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

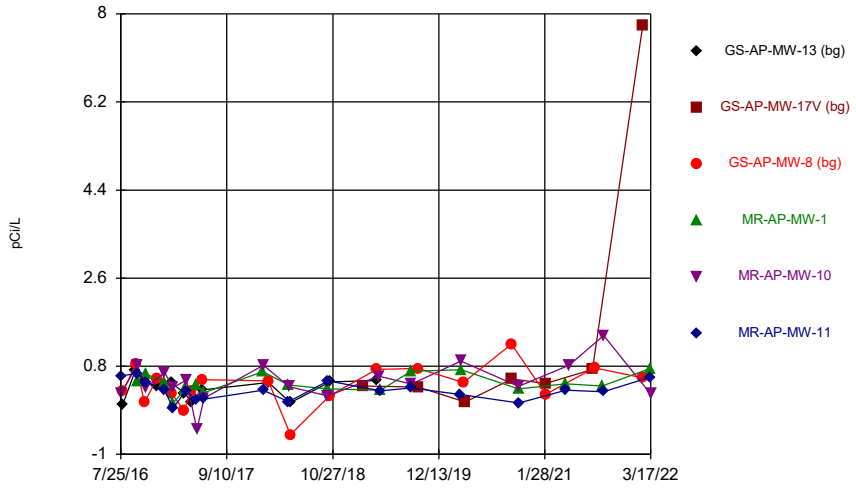
Time Series



Constituent: Cobalt Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

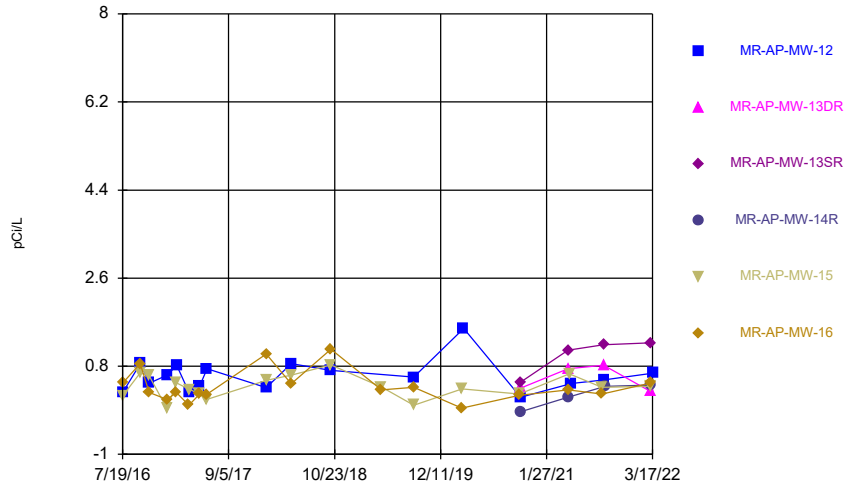
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

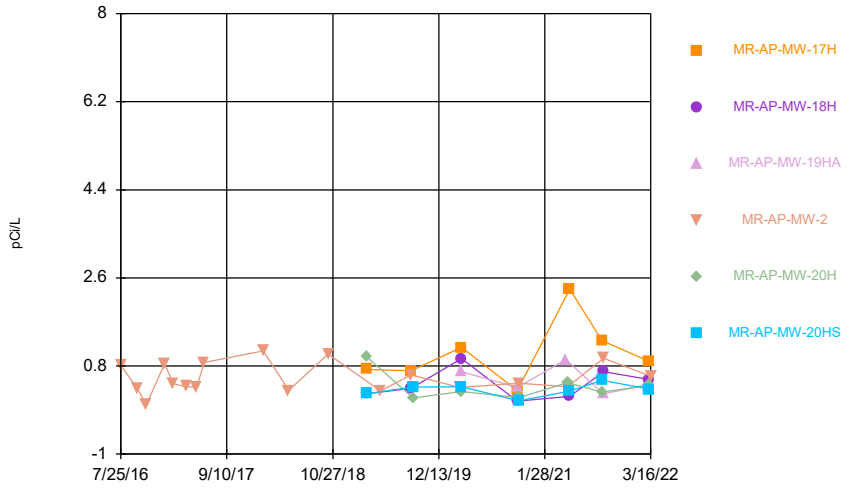
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

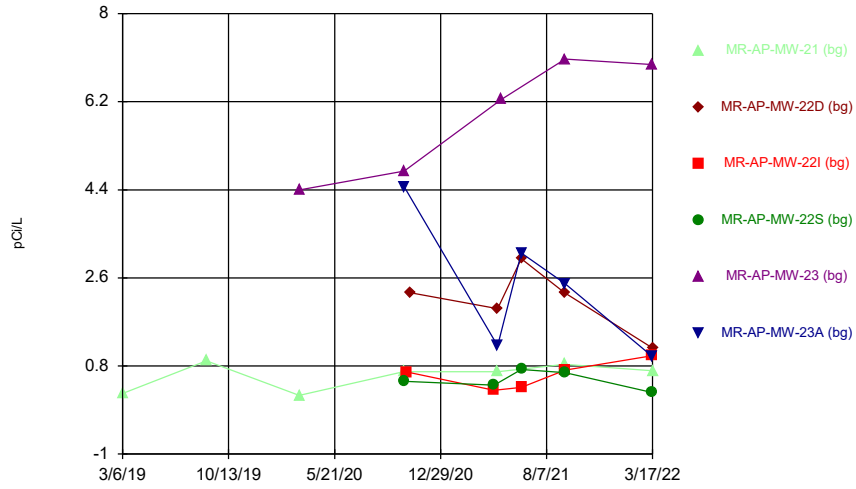
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

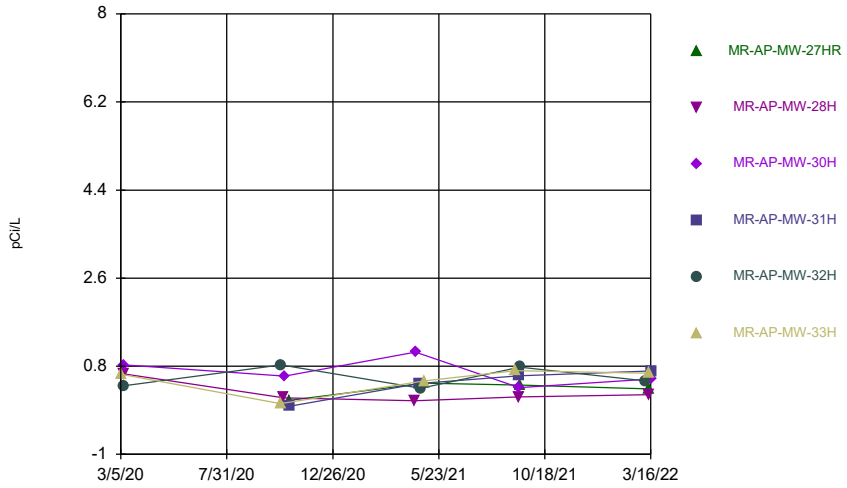
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

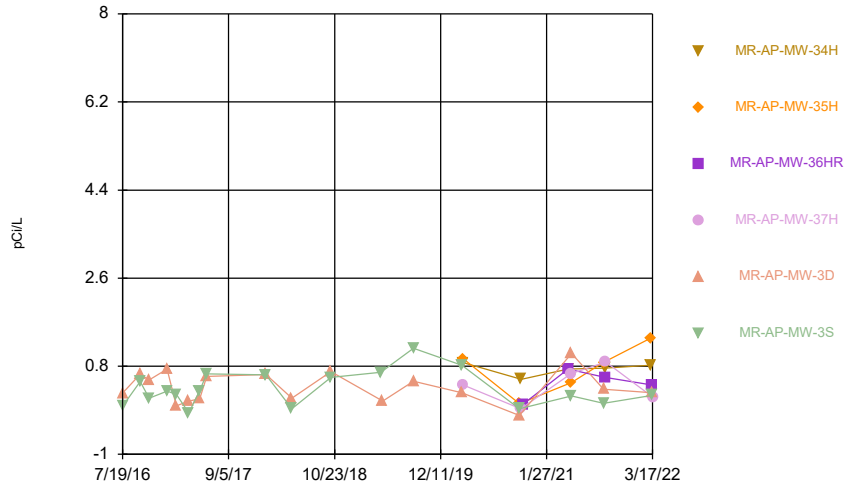
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

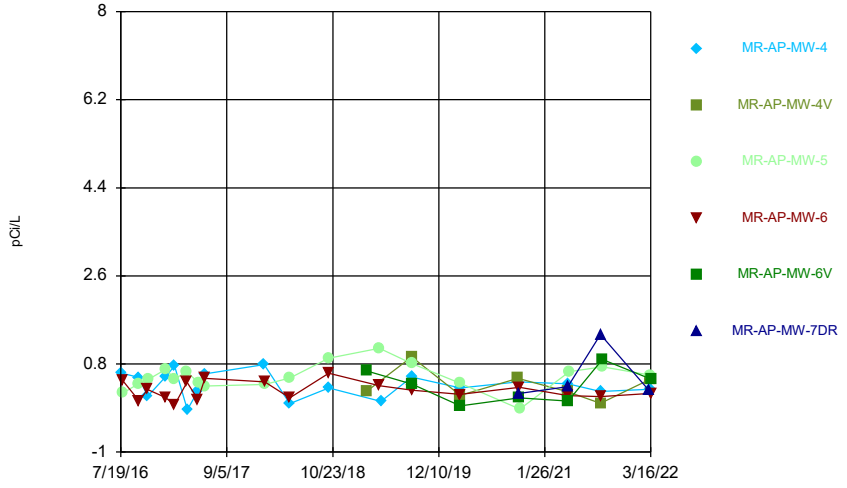
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

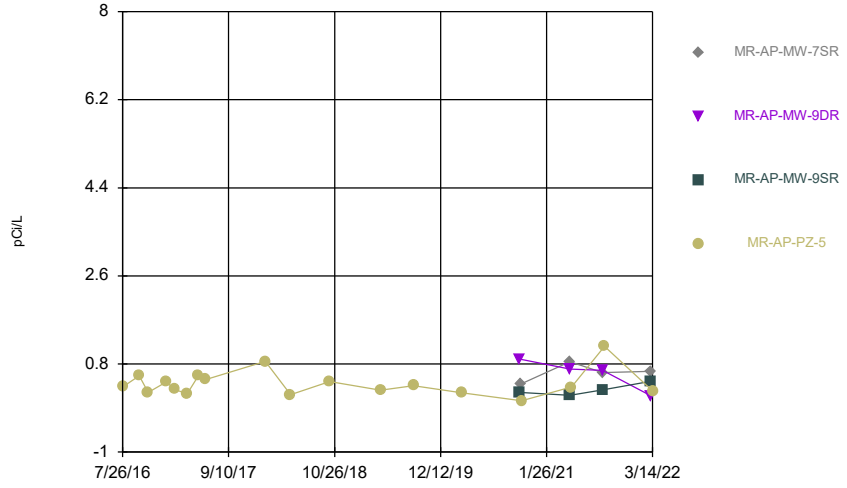
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:09 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

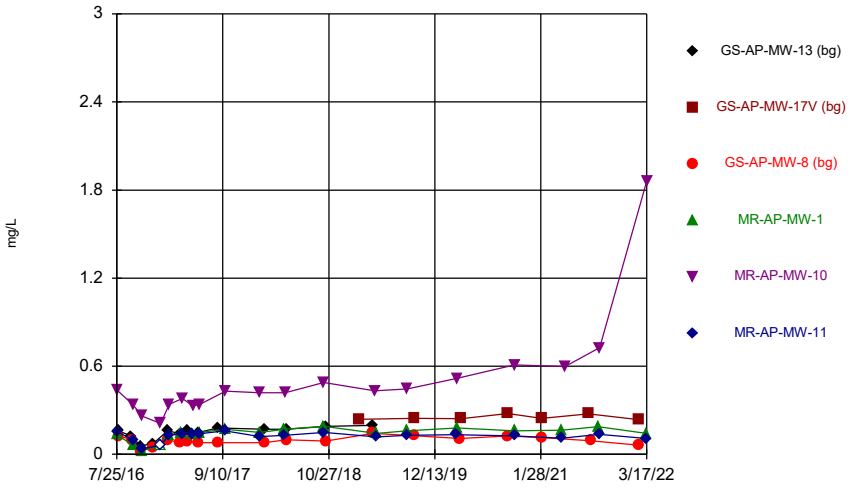
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

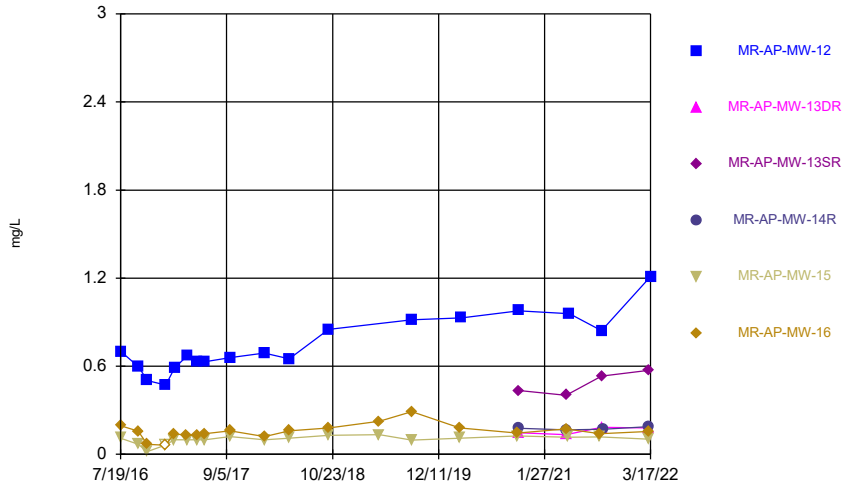
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

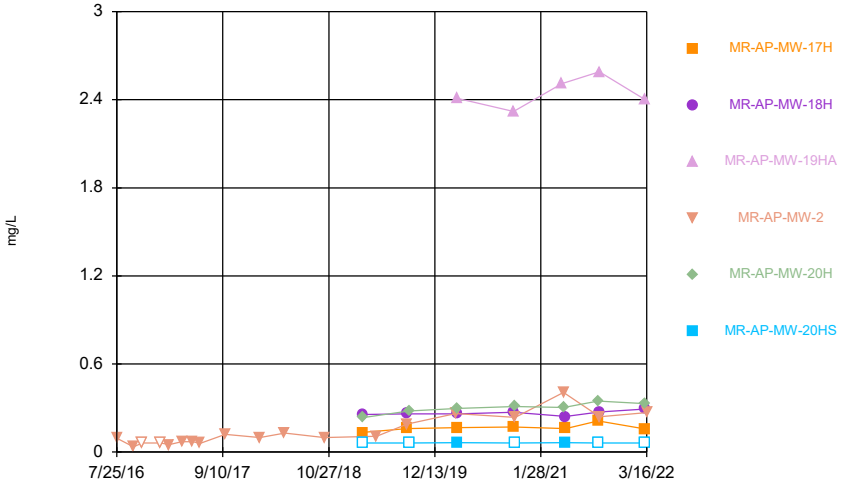
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

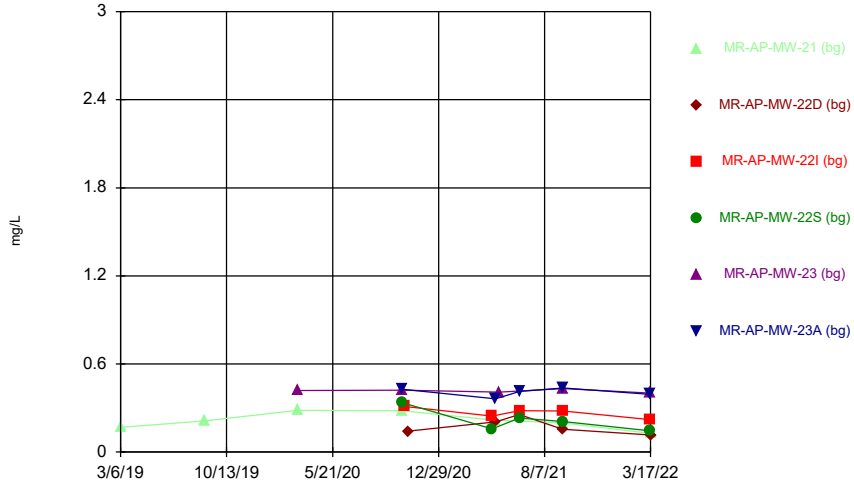
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

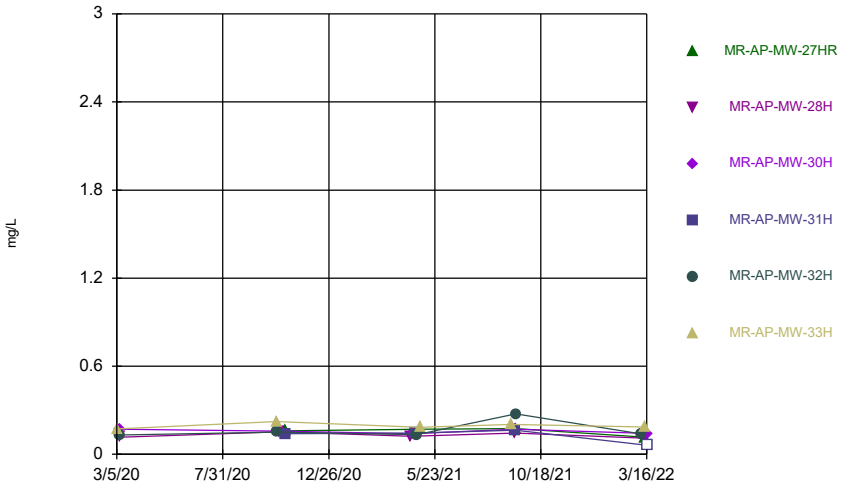
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

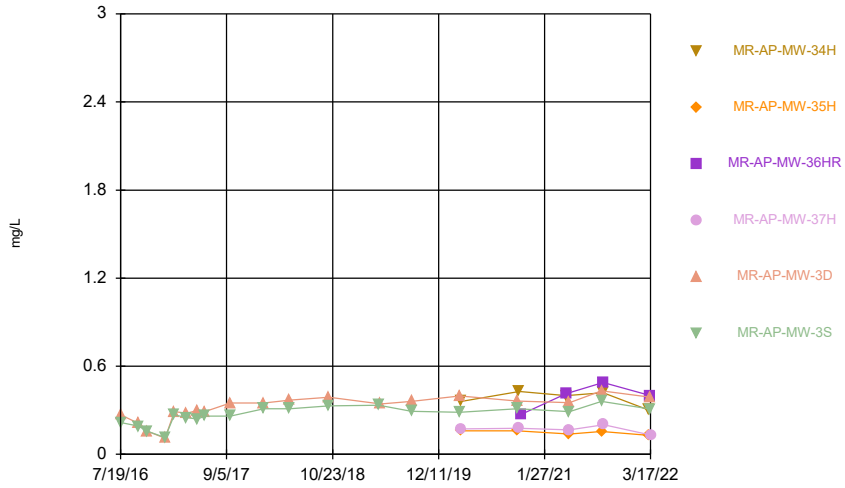
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

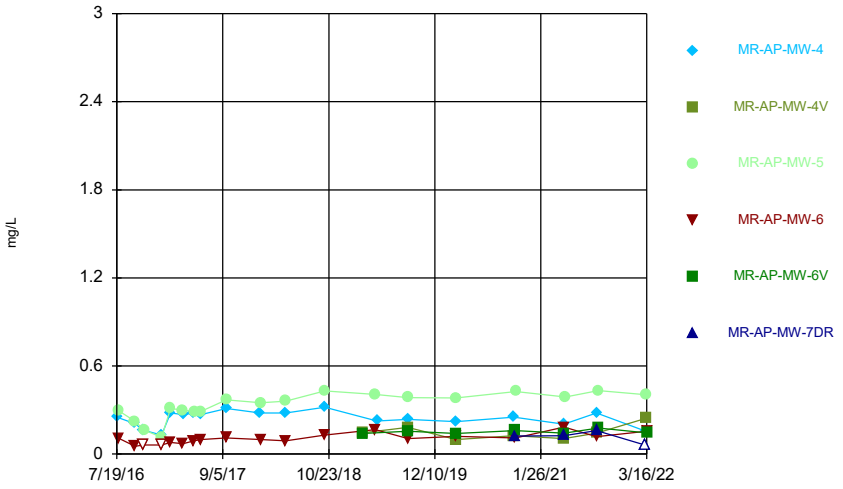
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

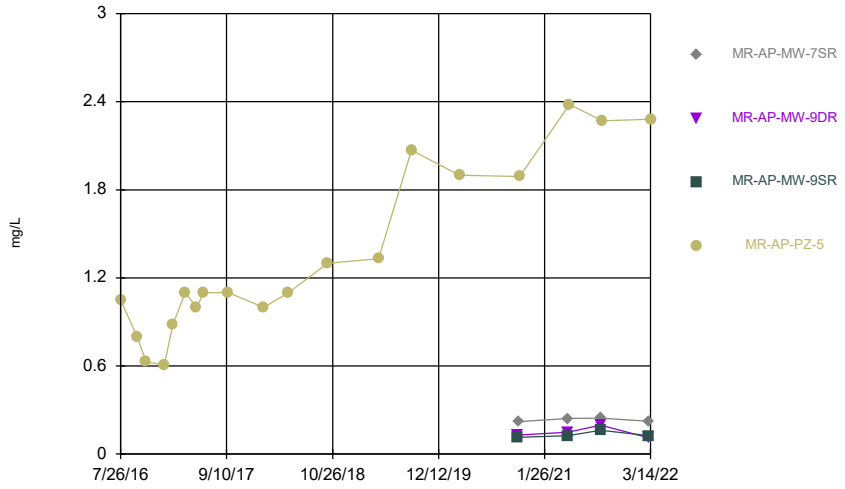
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

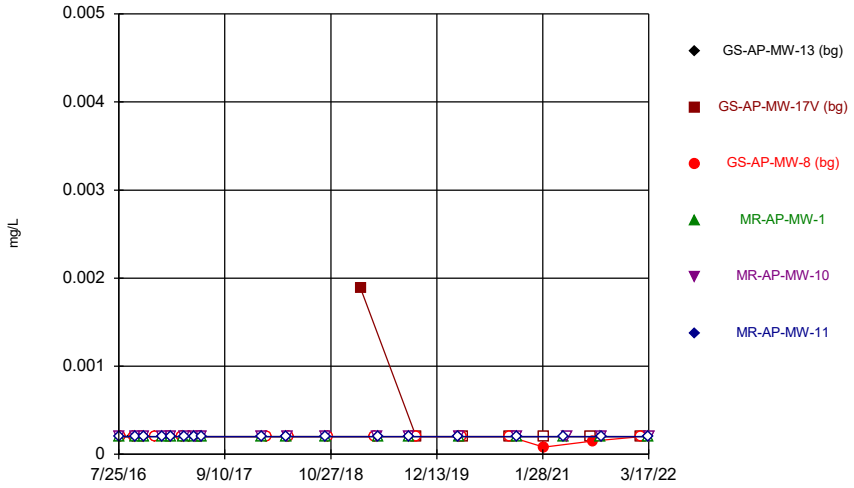
Time Series



Constituent: Fluoride, total Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

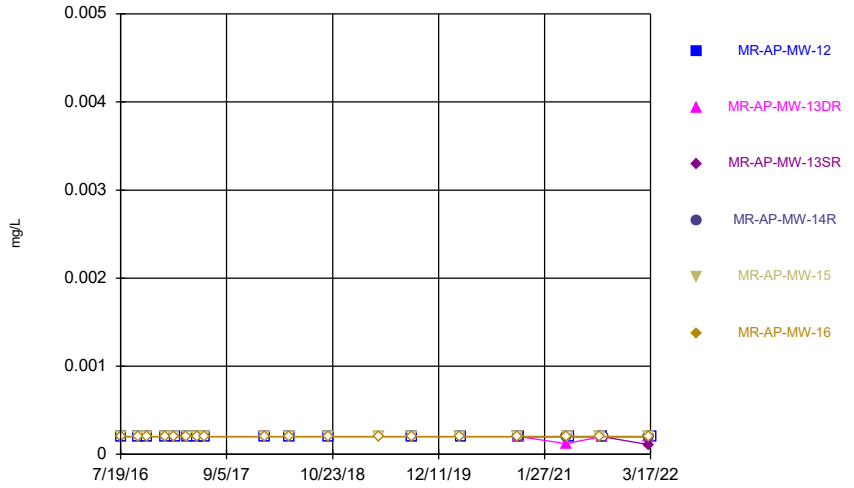
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

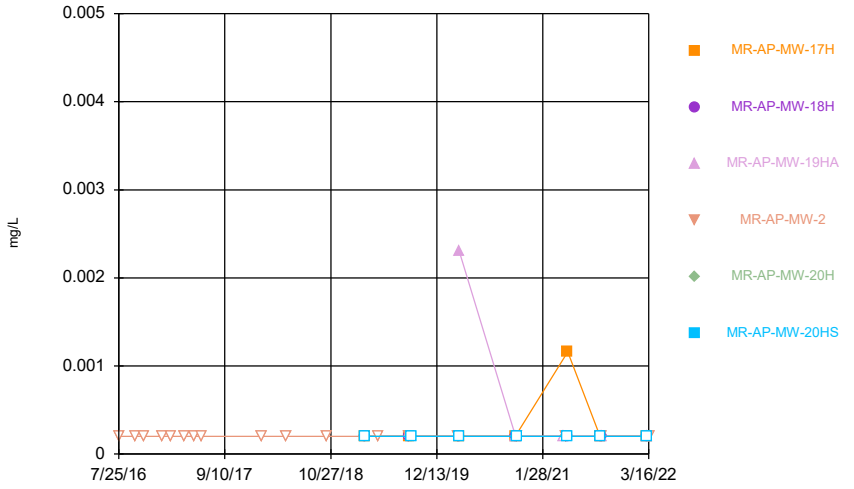
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

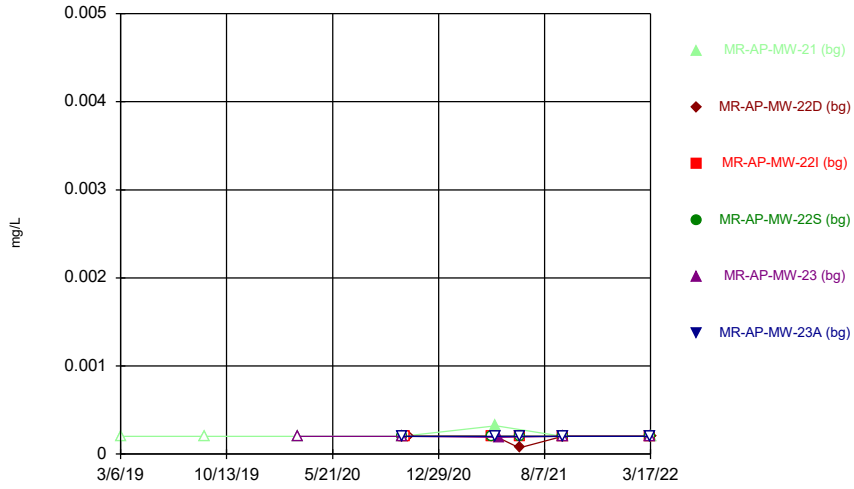
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
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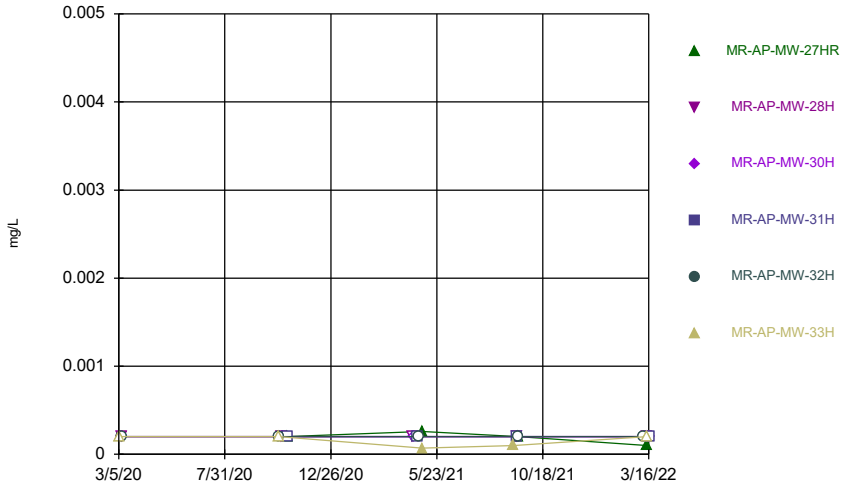
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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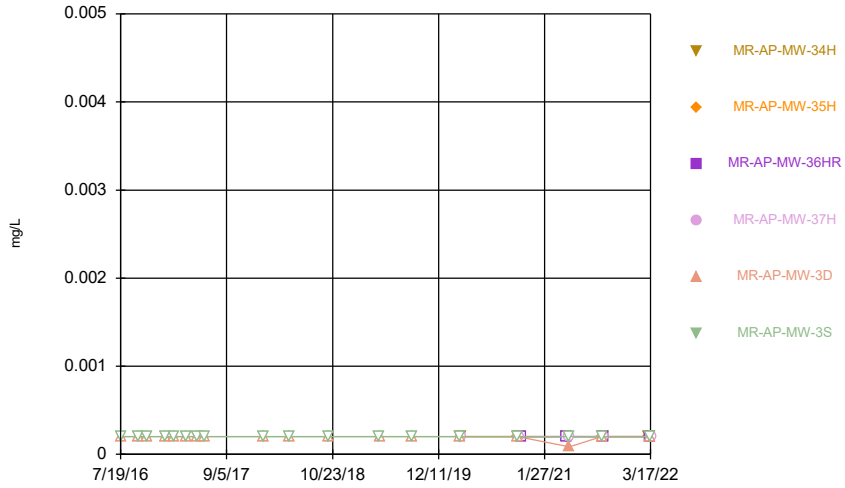
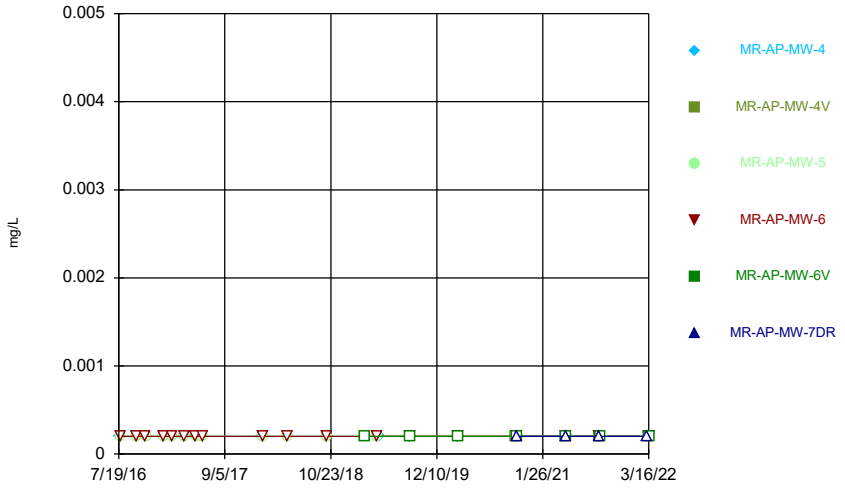
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

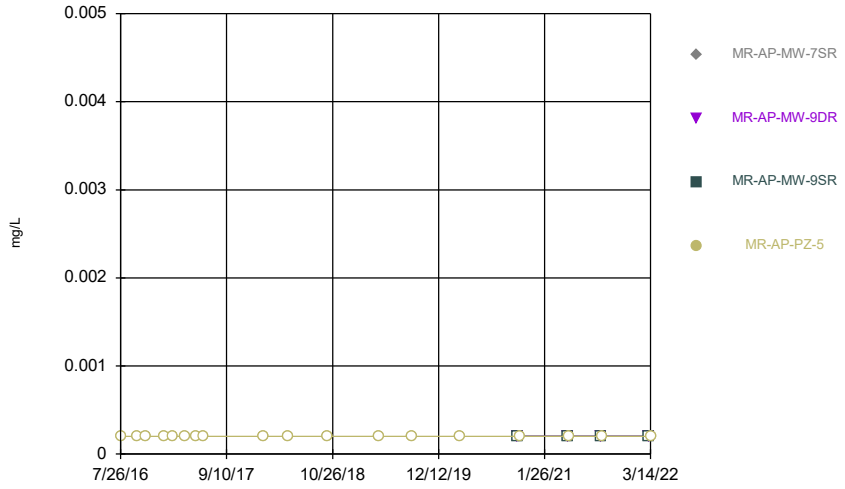
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

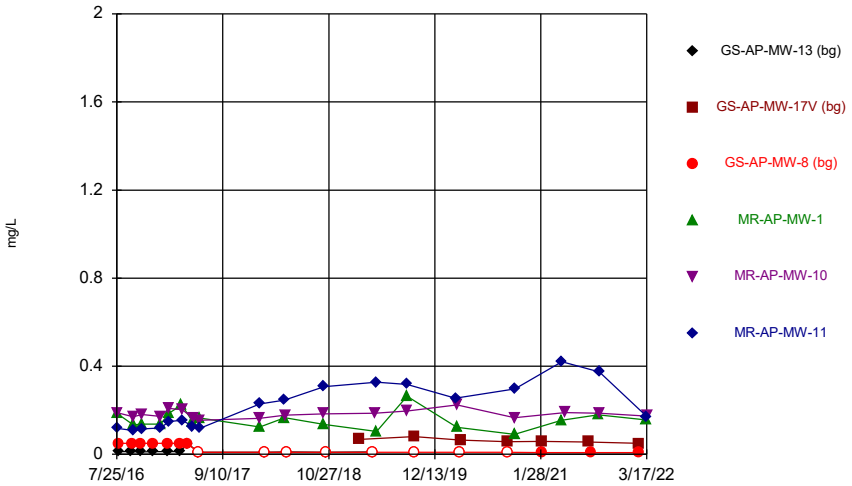
Time Series



Constituent: Lead Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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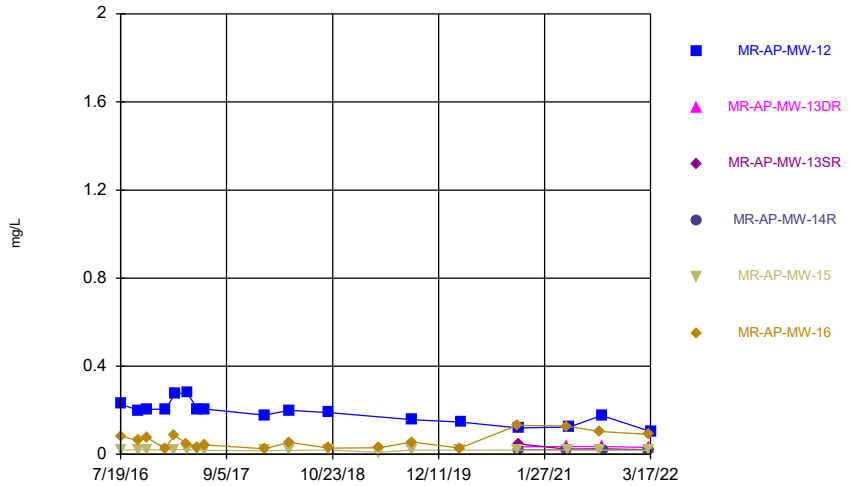
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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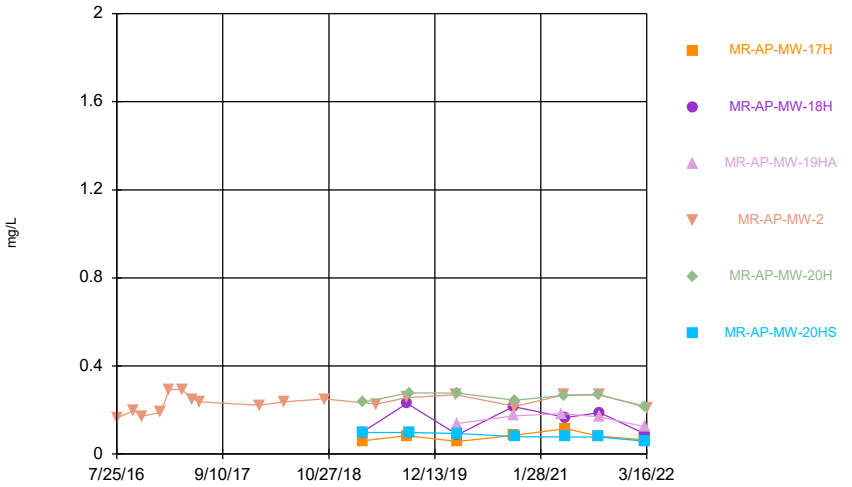
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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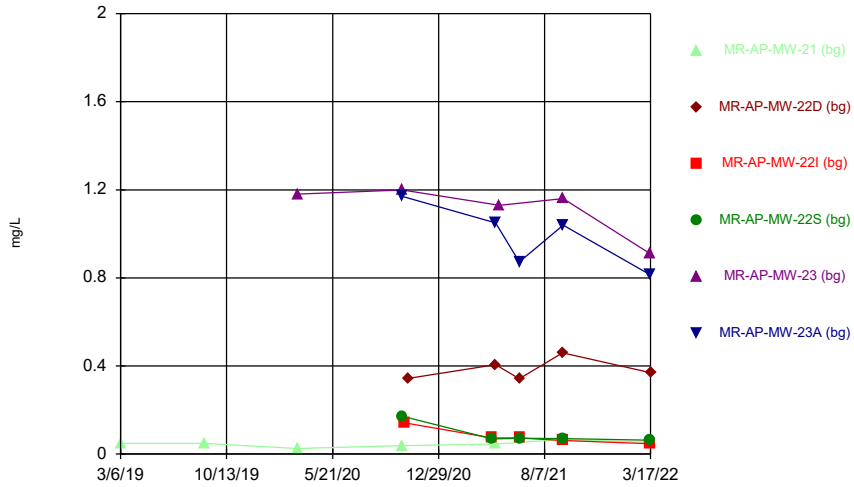
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

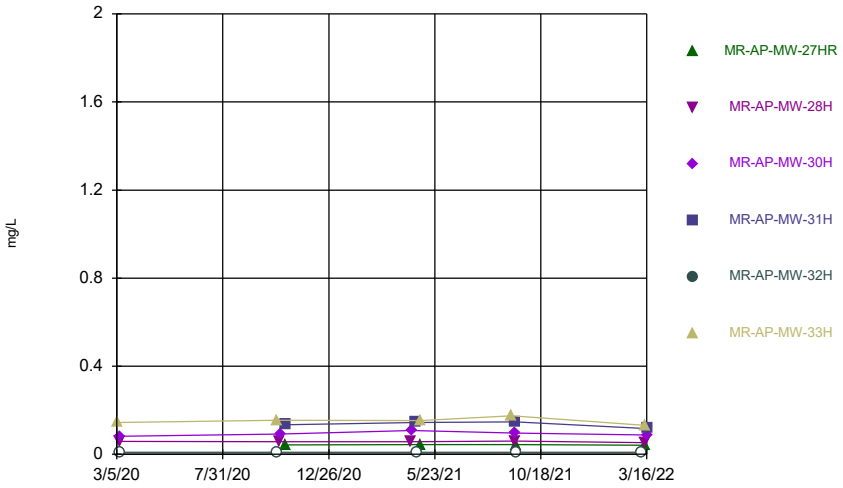
Time Series



Constituent: Lithium Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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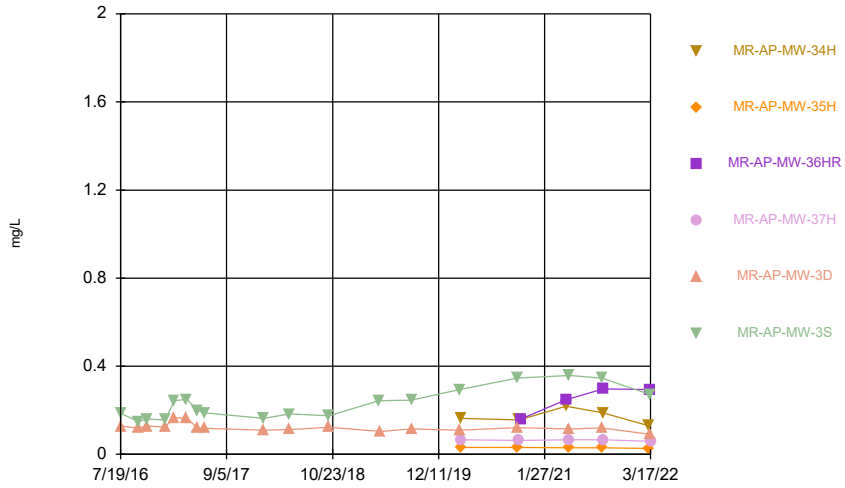
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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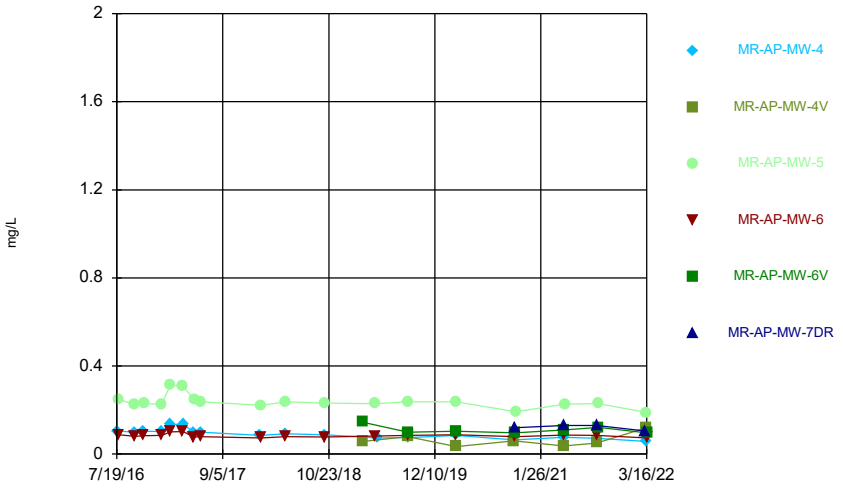
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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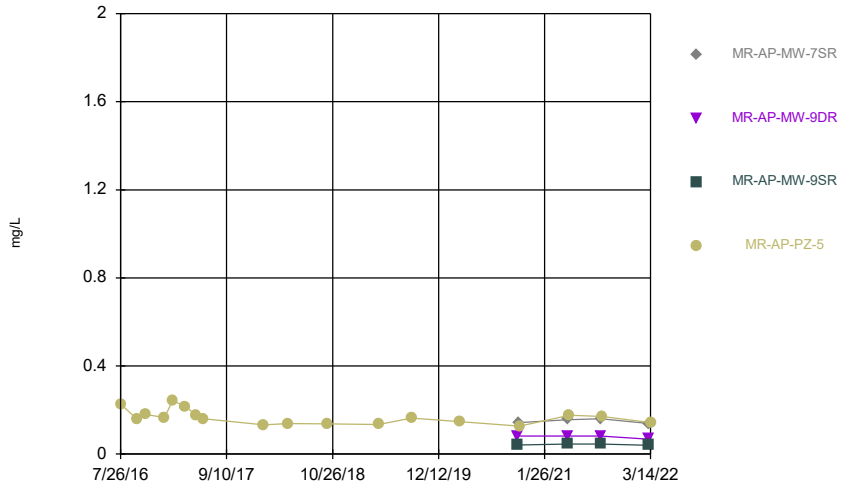
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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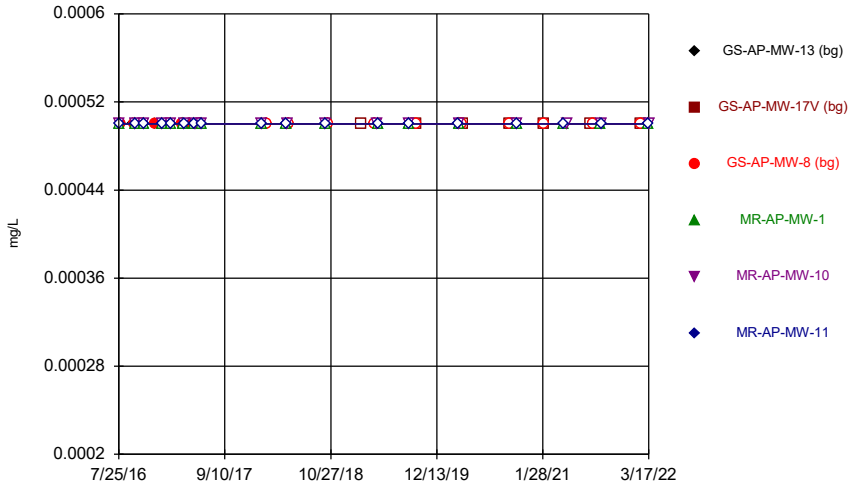
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

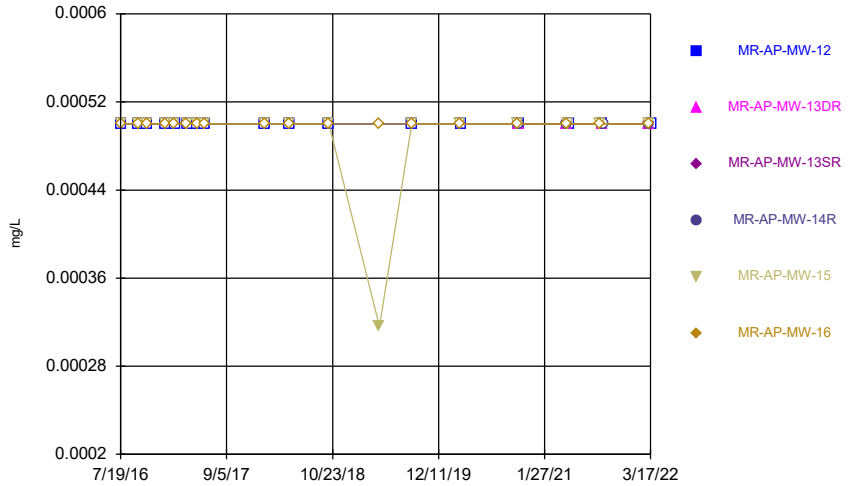
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

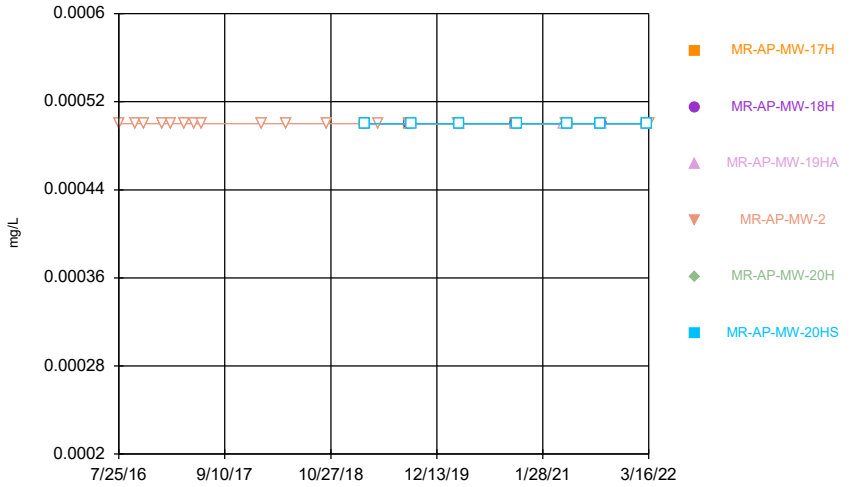
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

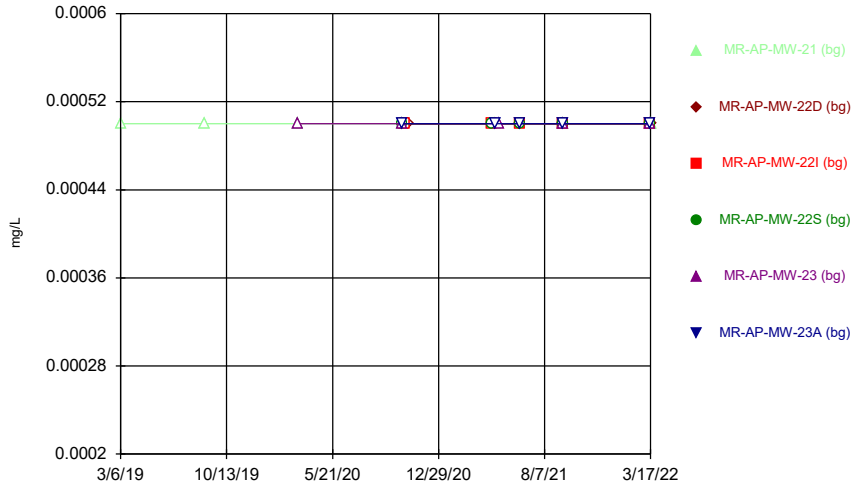
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

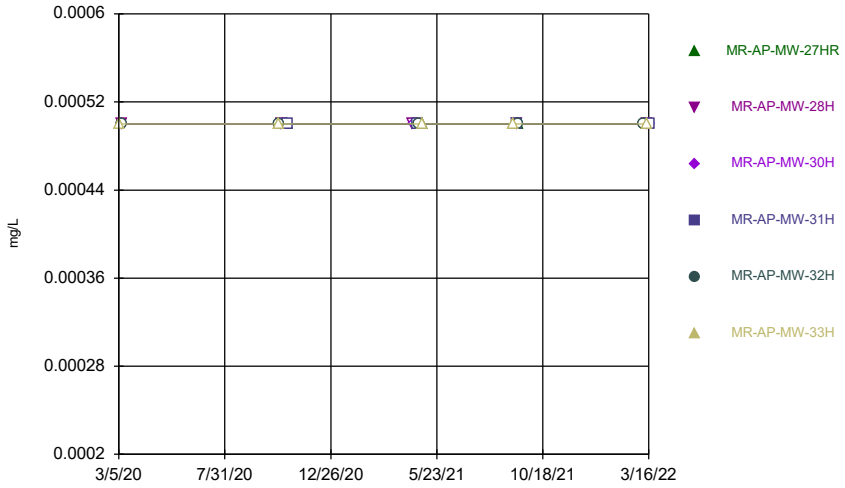
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

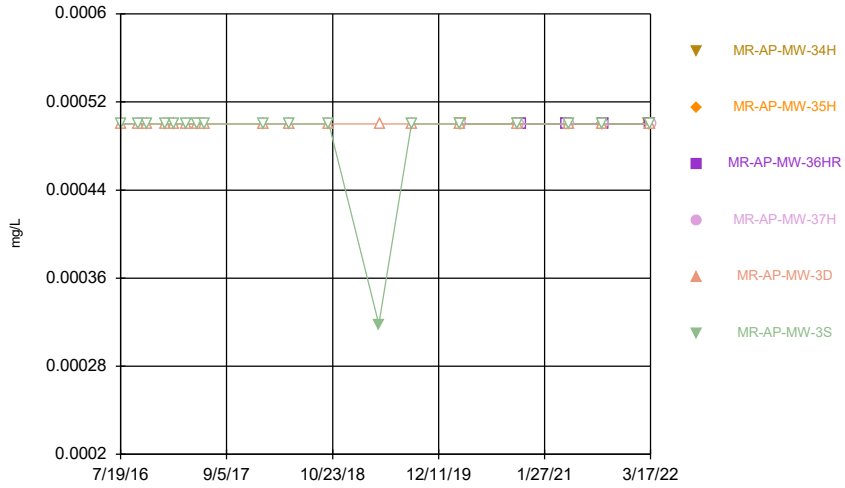
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

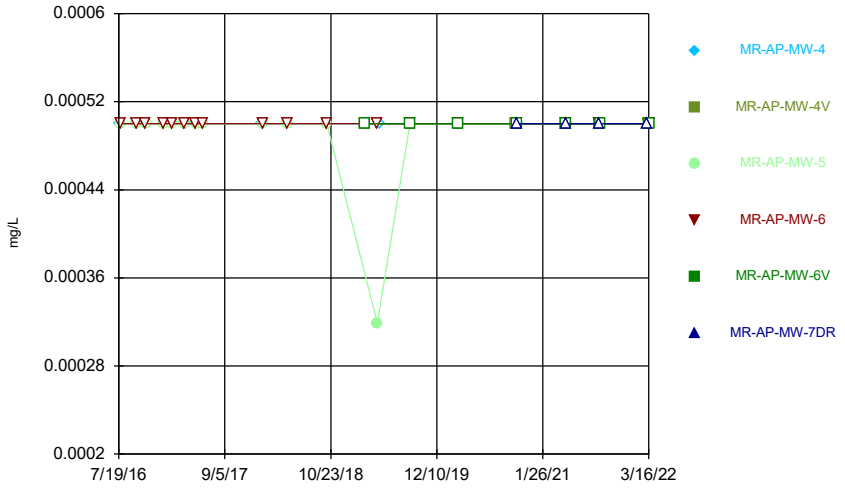
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

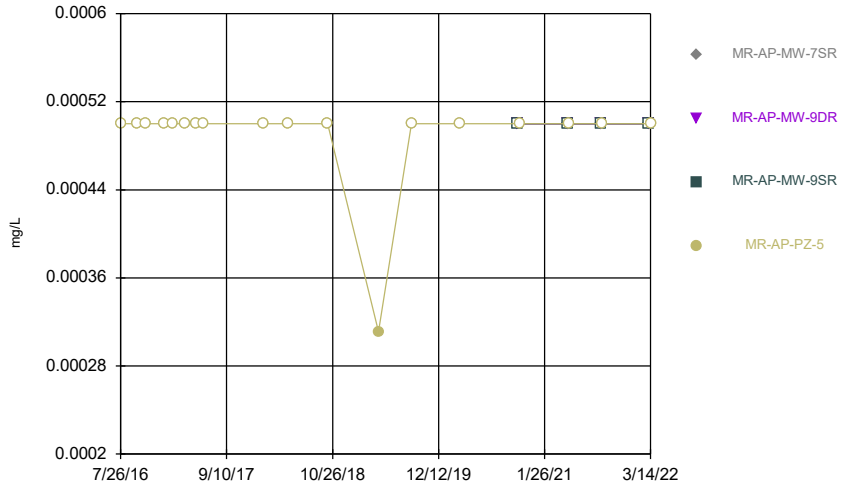
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

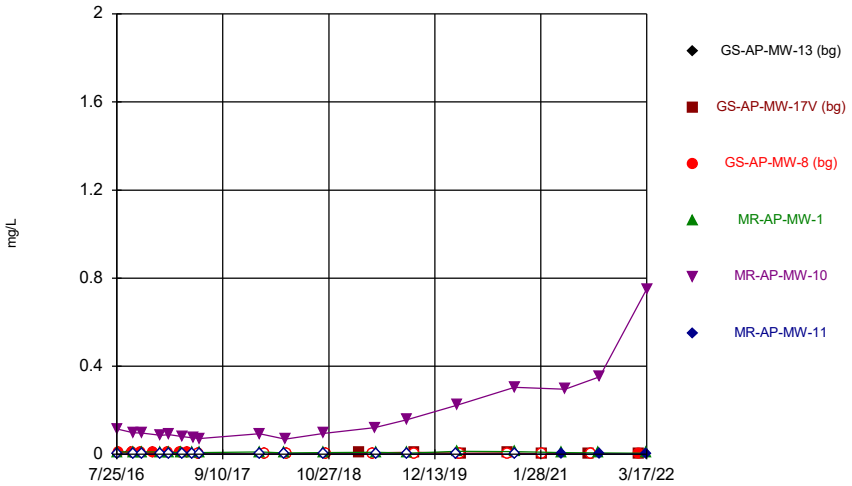
Time Series



Constituent: Mercury Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

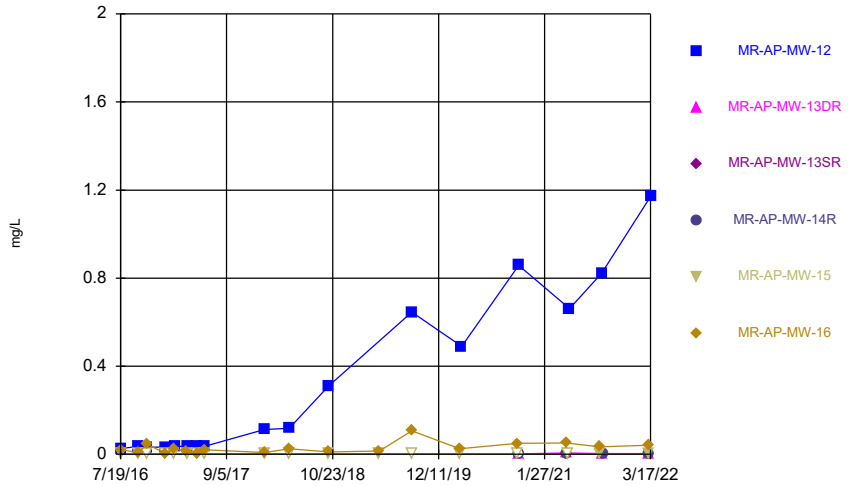
Time Series



Constituent: Molybdenum Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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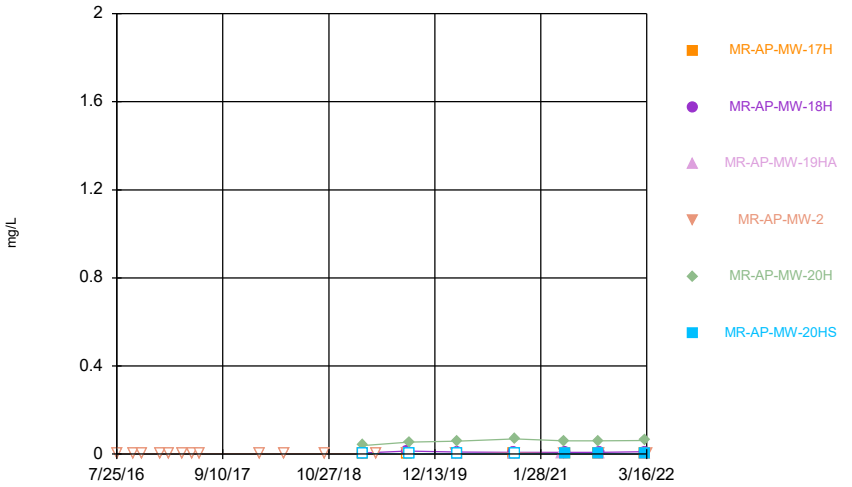
Time Series



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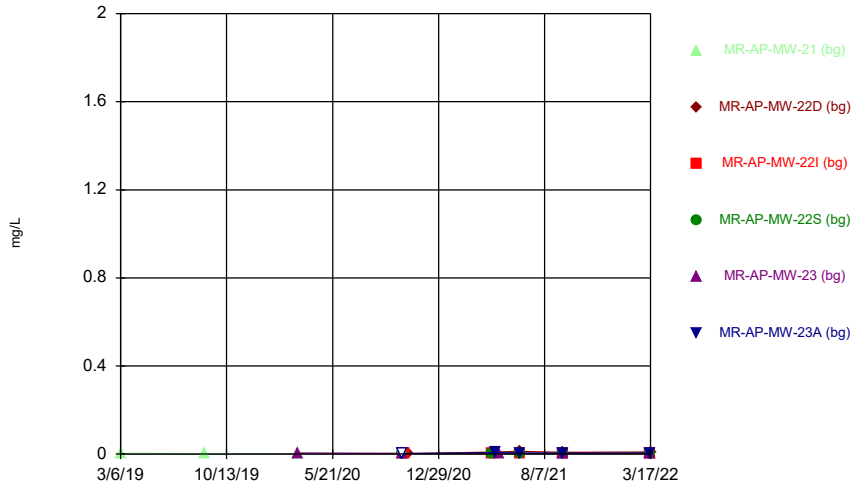
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



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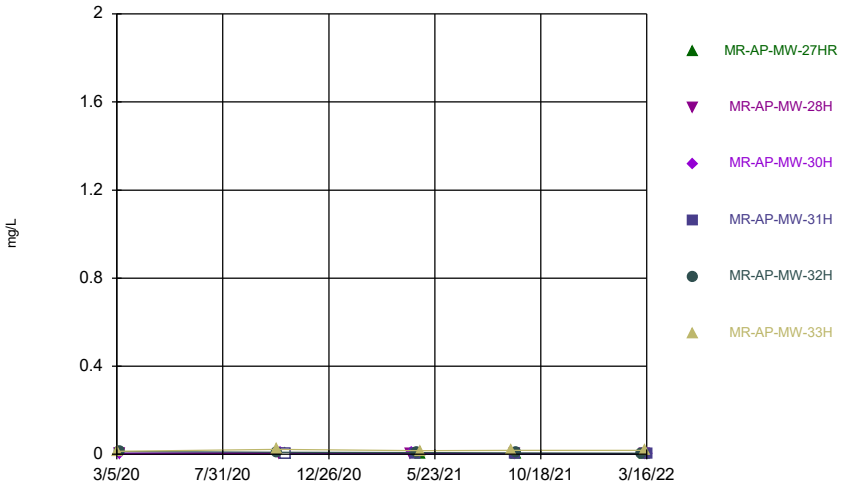
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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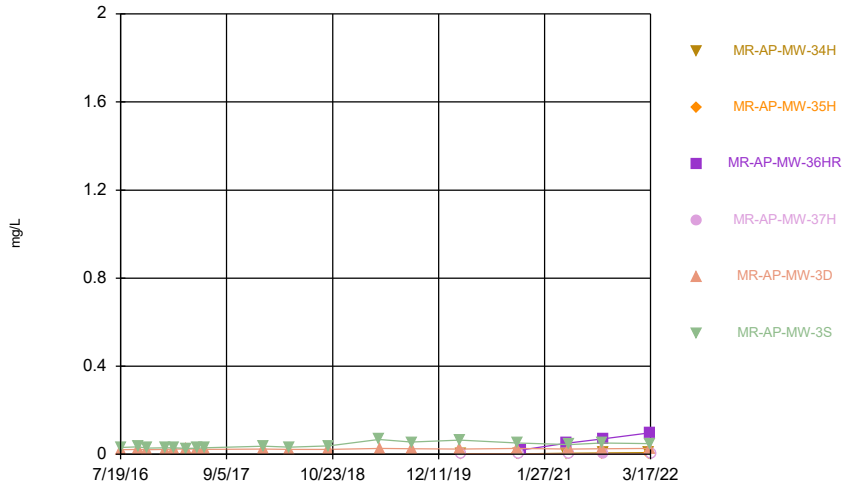
Time Series



Constituent: Molybdenum Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
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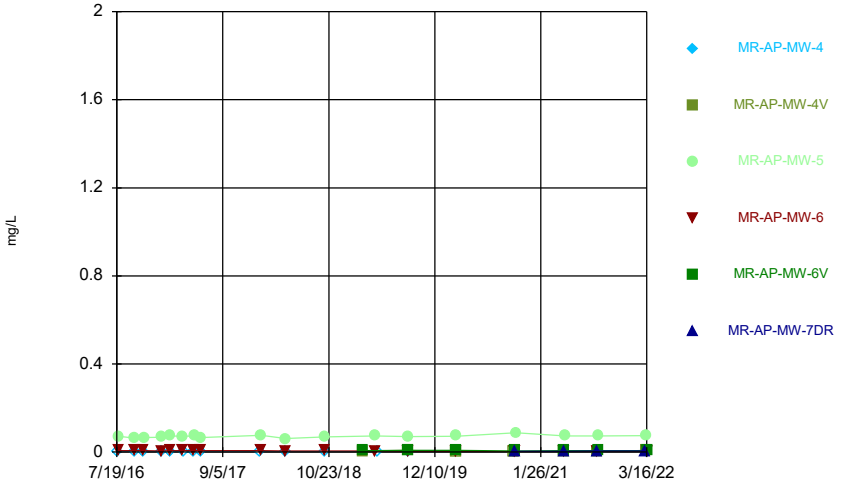
Time Series



Constituent: Molybdenum Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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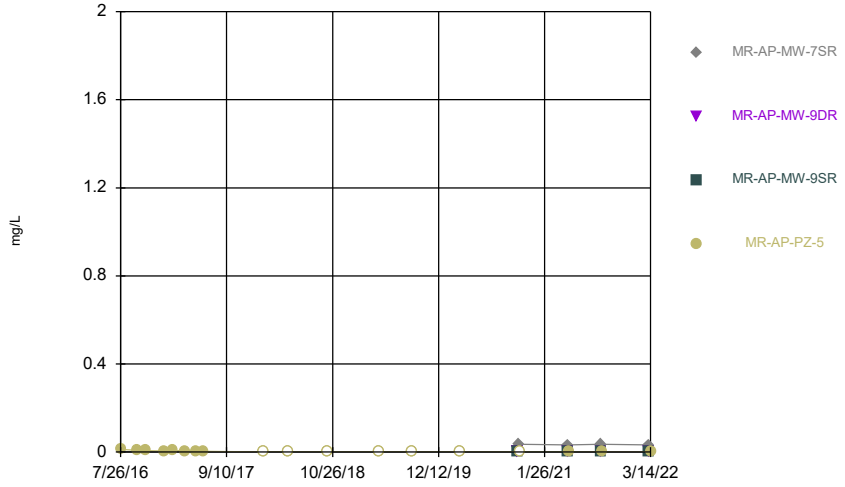
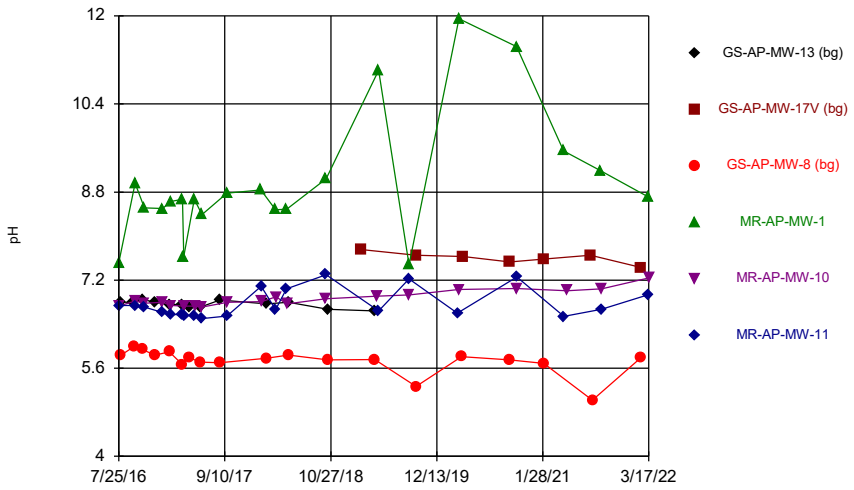
Time Series



Constituent: Molybdenum Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

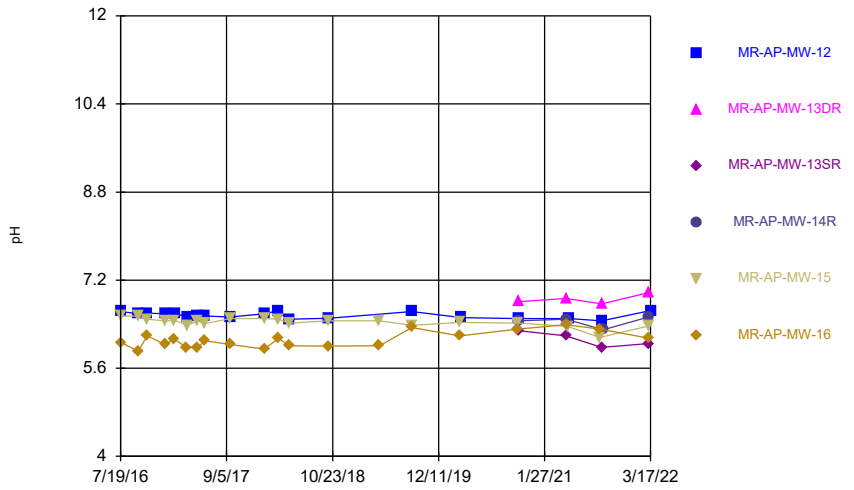
Time Series



Constituent: pH, Field Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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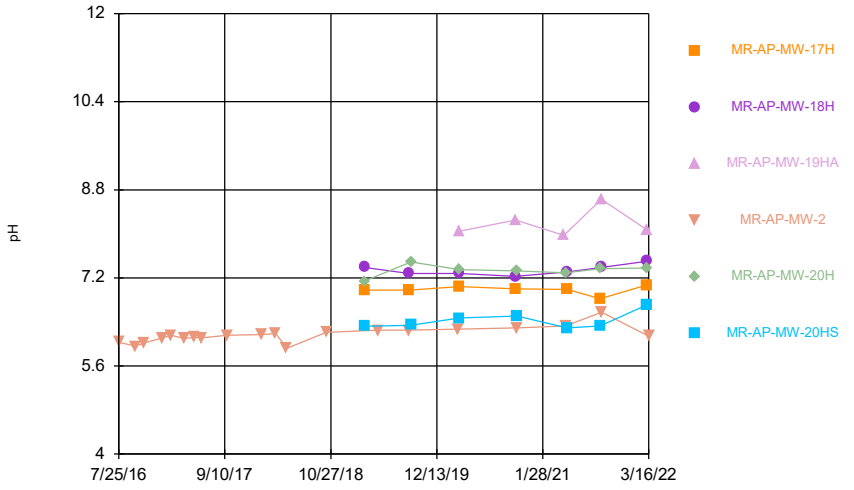
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

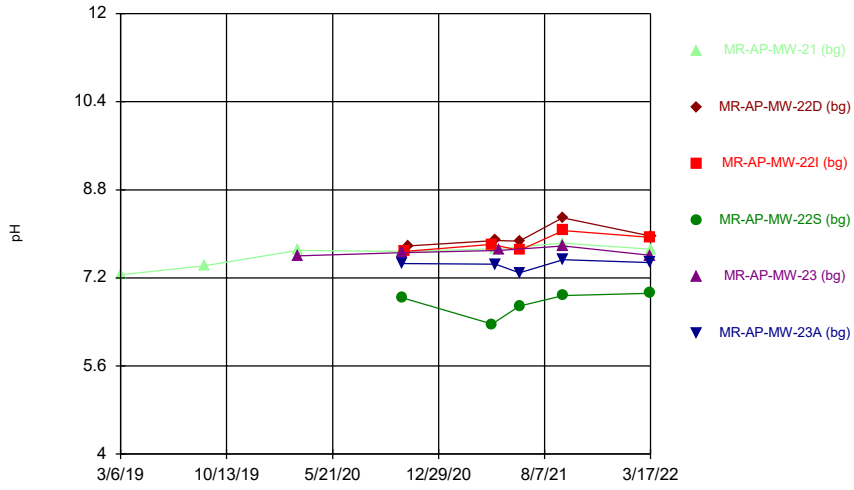
Time Series



Constituent: pH, Field Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



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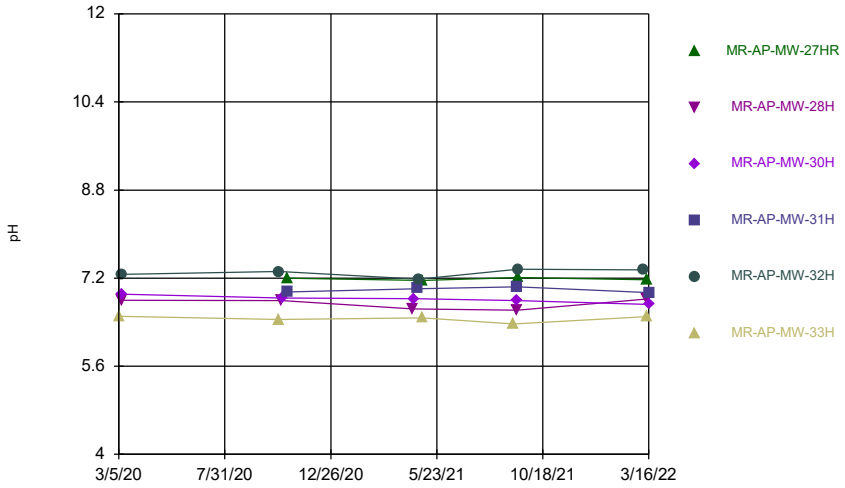

Constituent: pH, Field Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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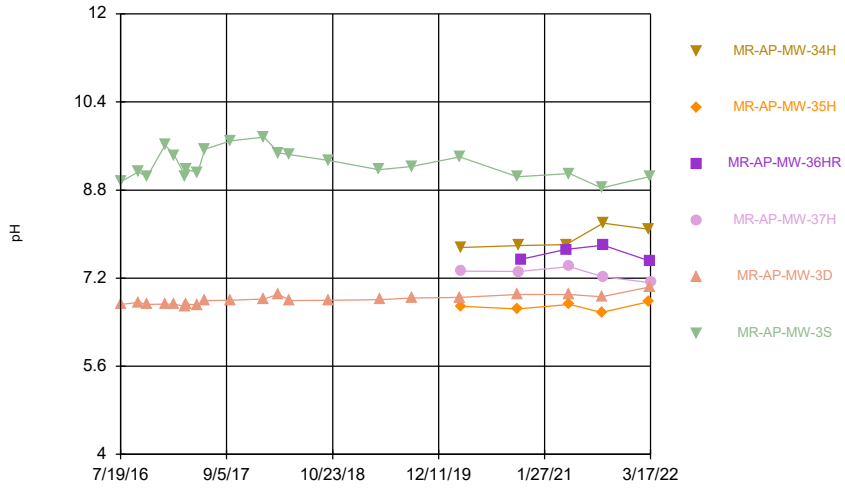
Time Series



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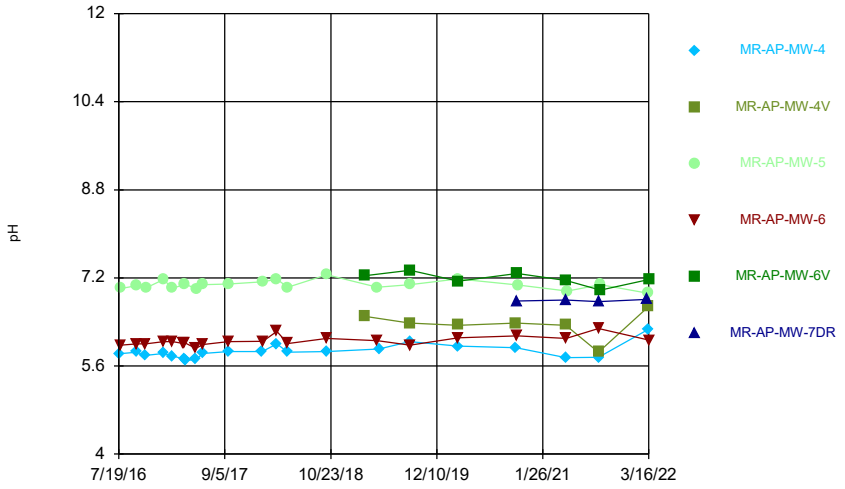

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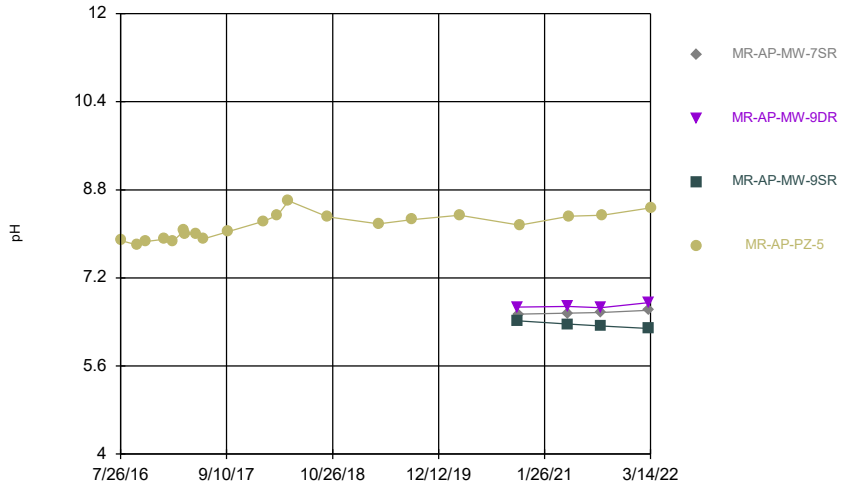
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

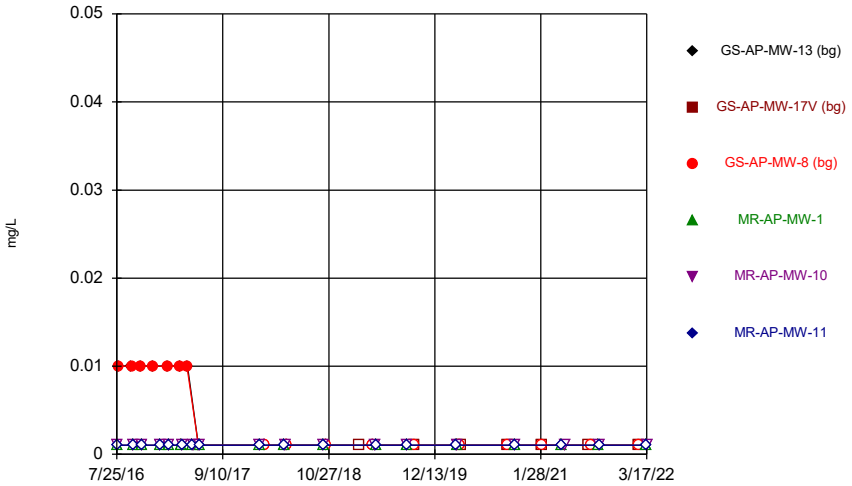
Time Series



Constituent: pH, Field Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
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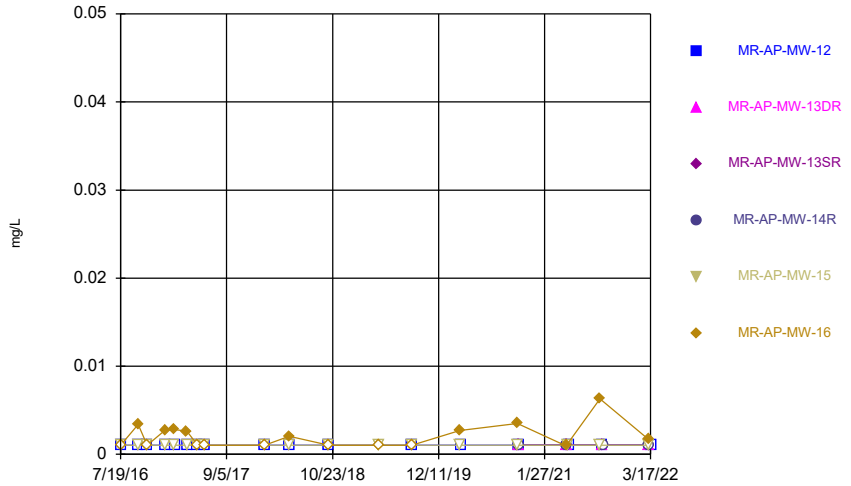
Time Series



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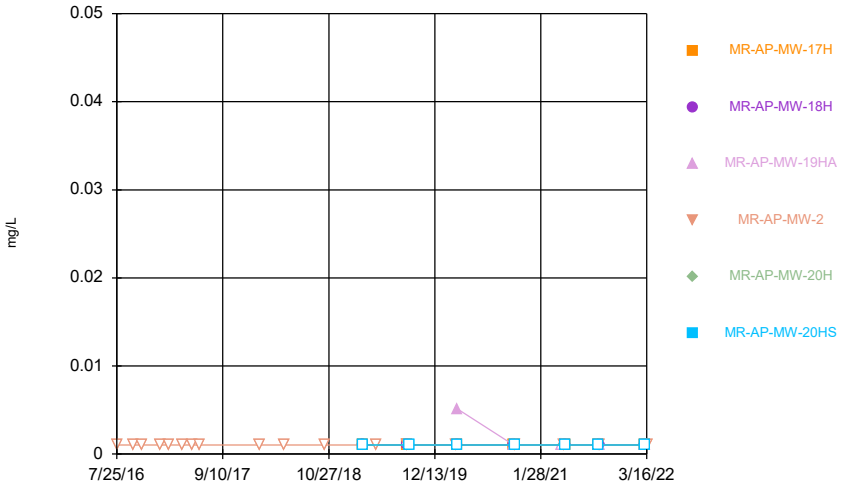

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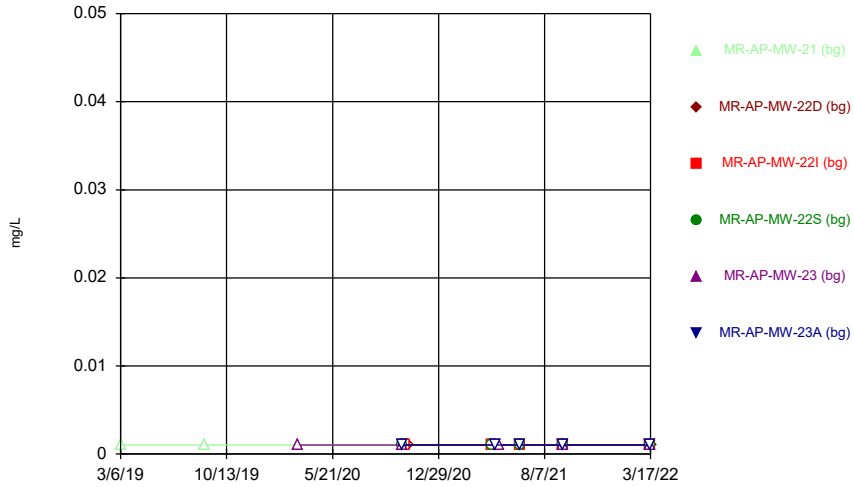
Time Series



Constituent: Selenium Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
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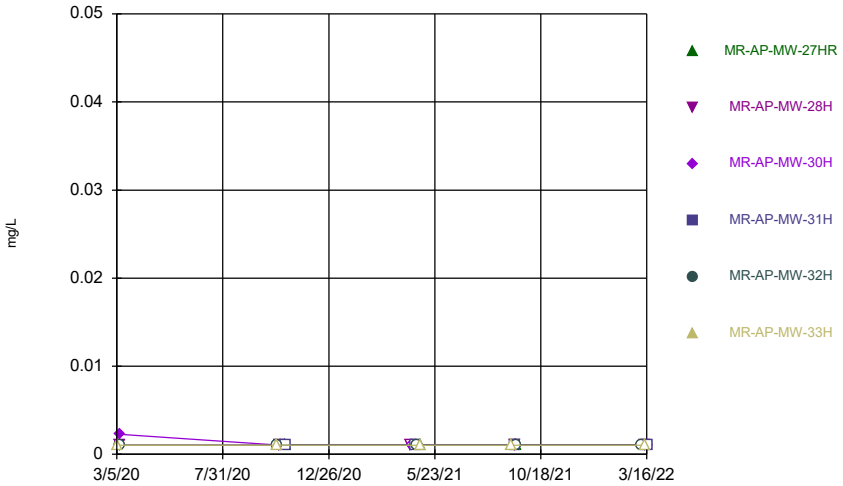
Time Series



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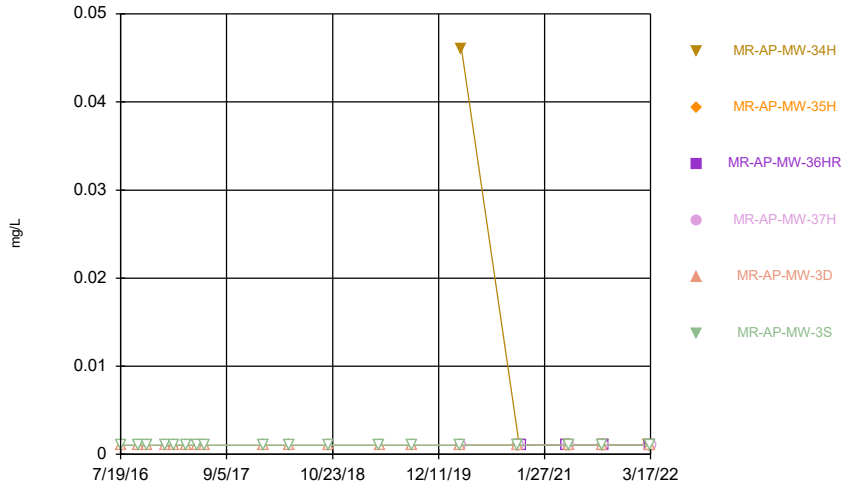

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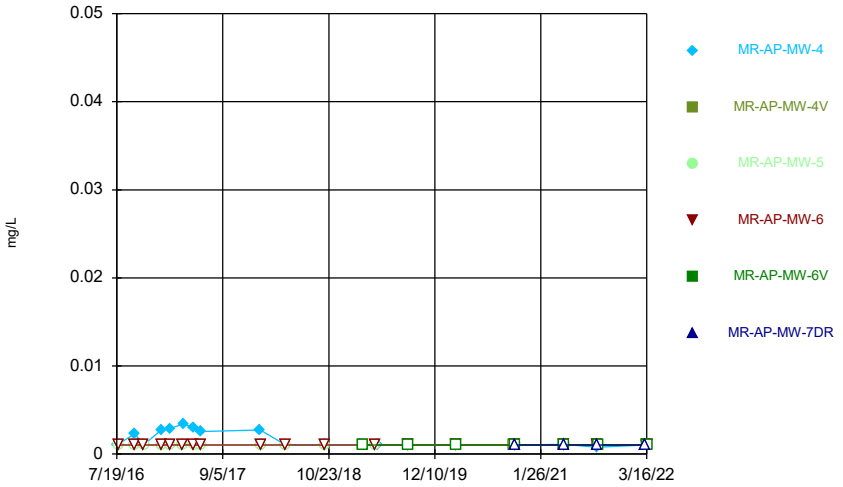
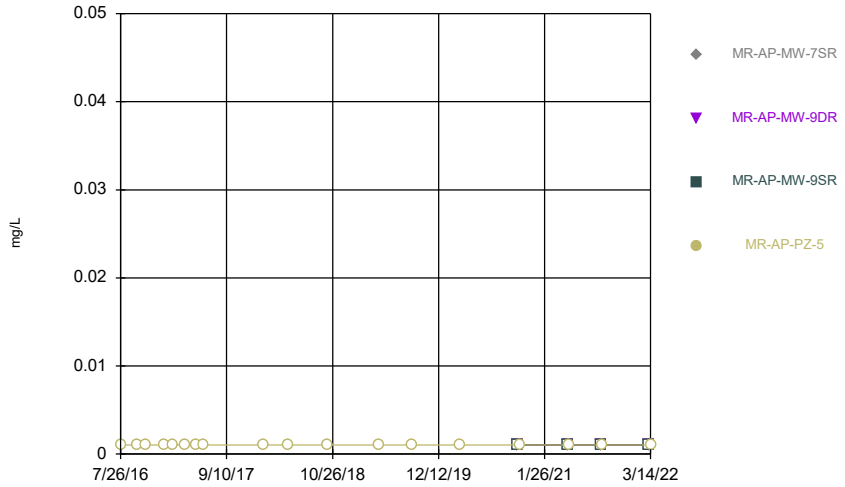
Time Series



Constituent: Selenium Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

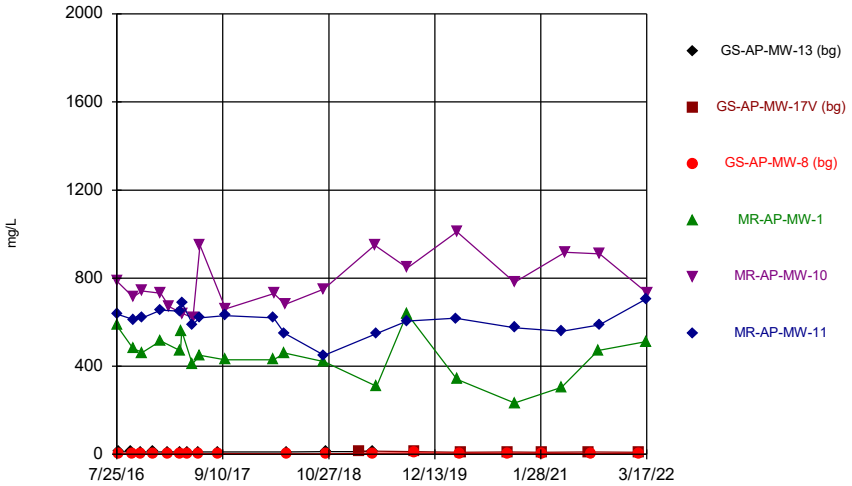
Time Series



Constituent: Selenium Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

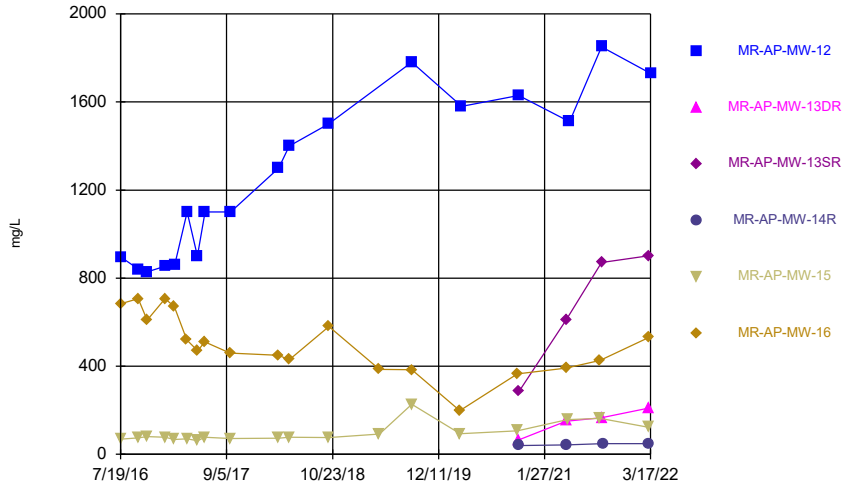
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:10 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

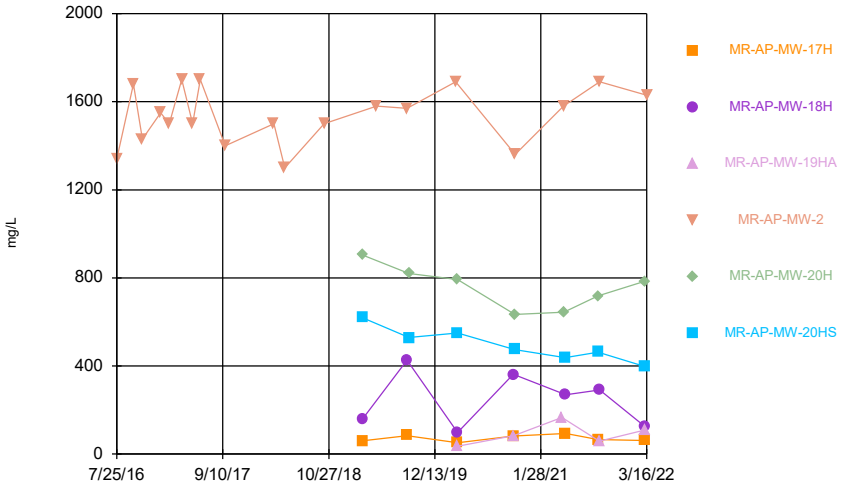
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

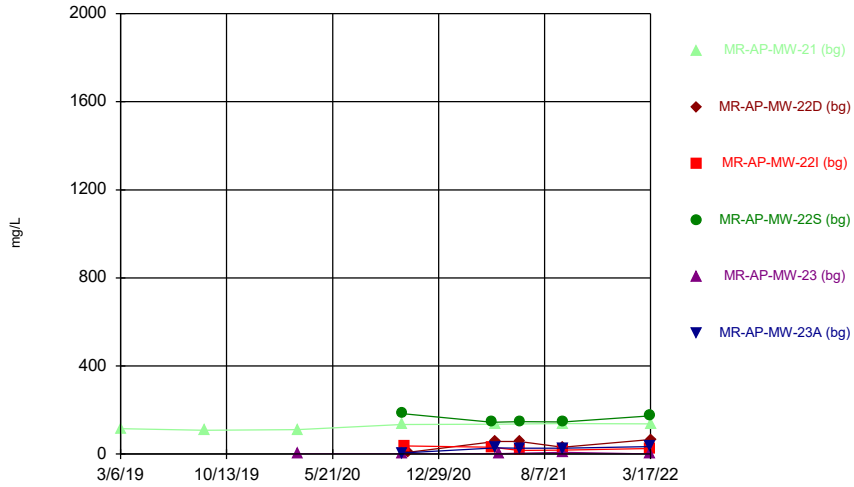
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

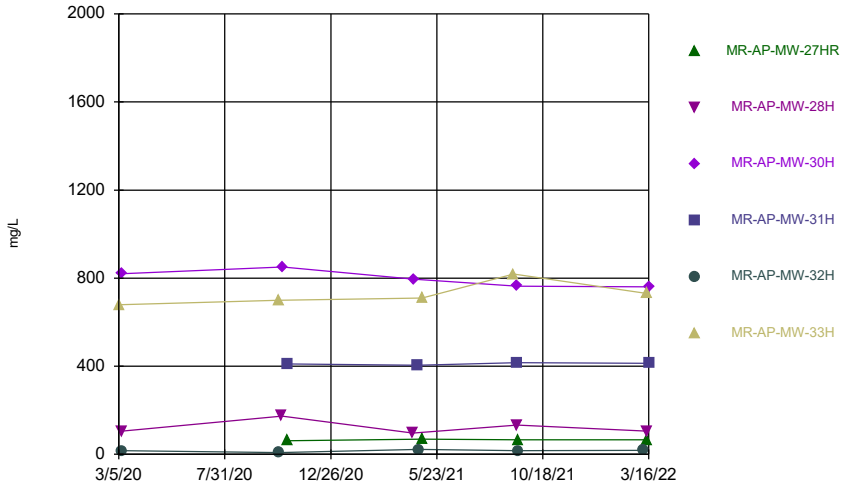
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

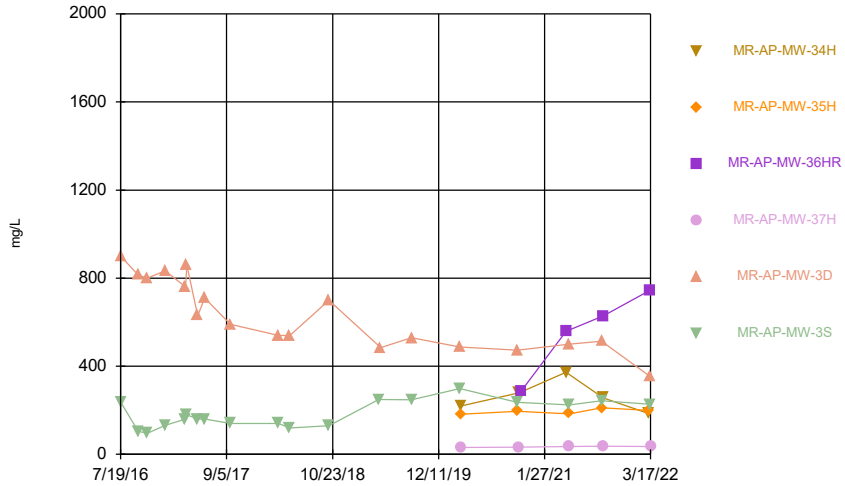
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

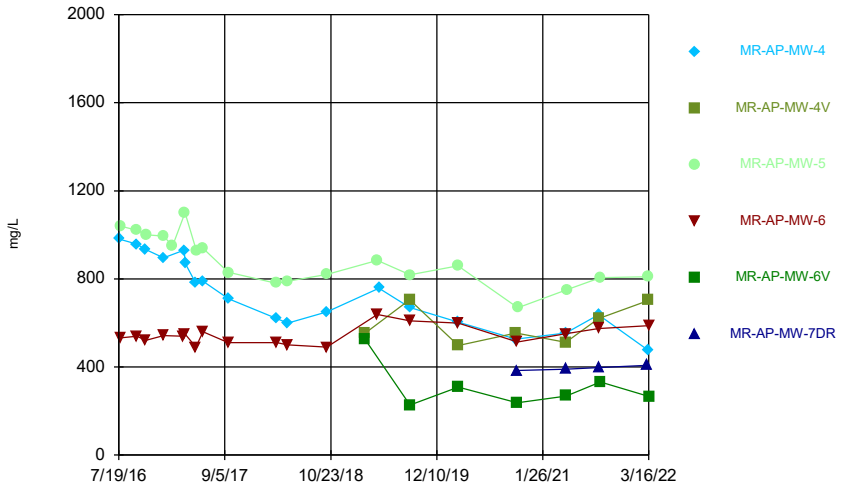
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

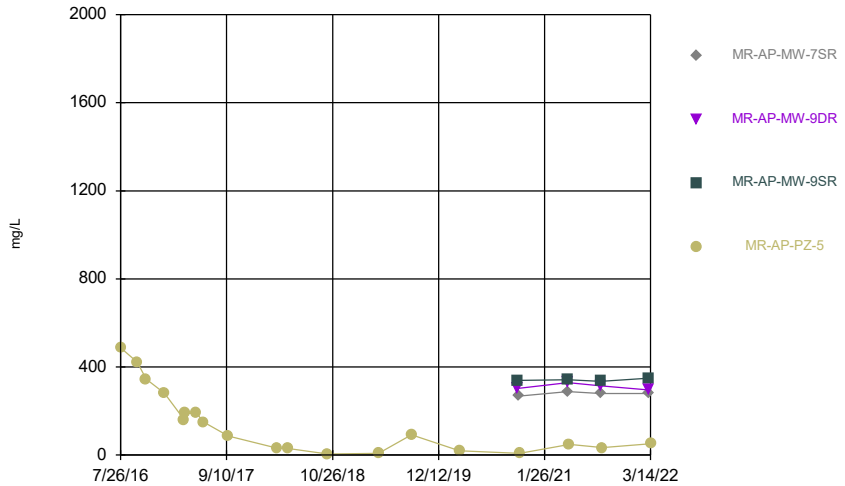
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

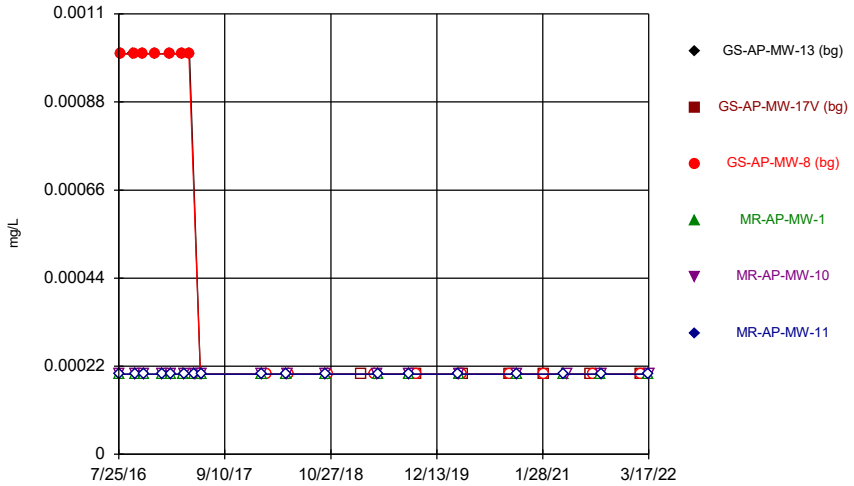
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

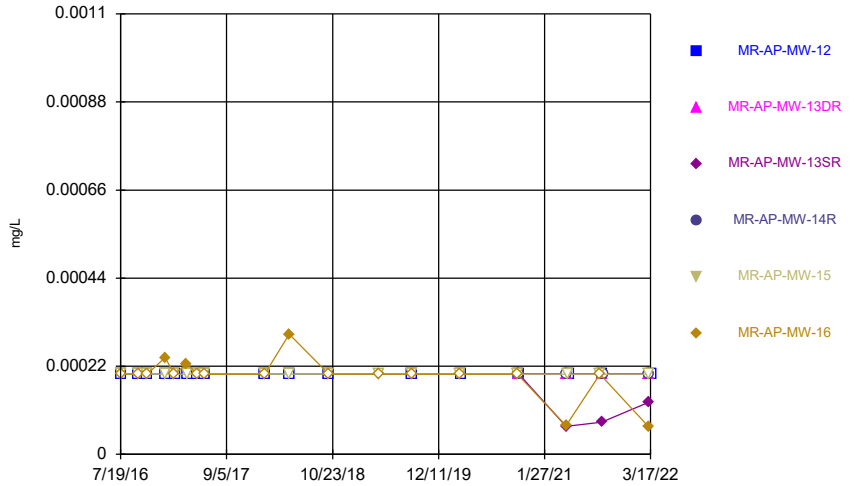
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

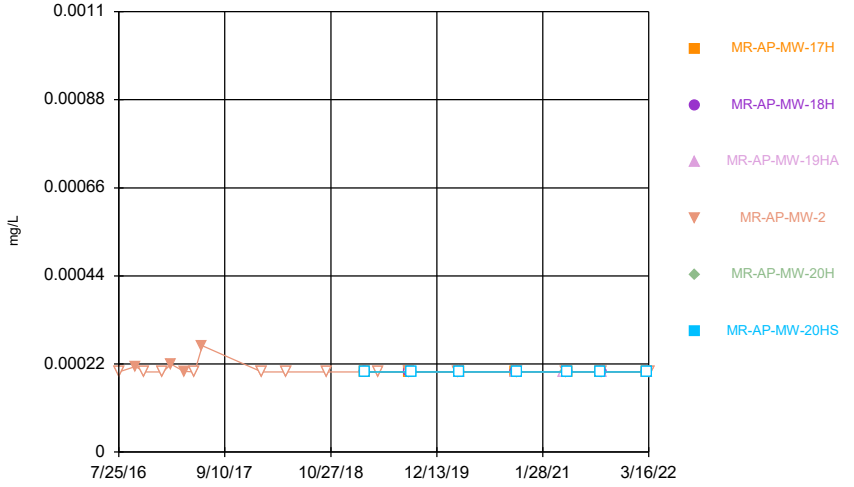
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

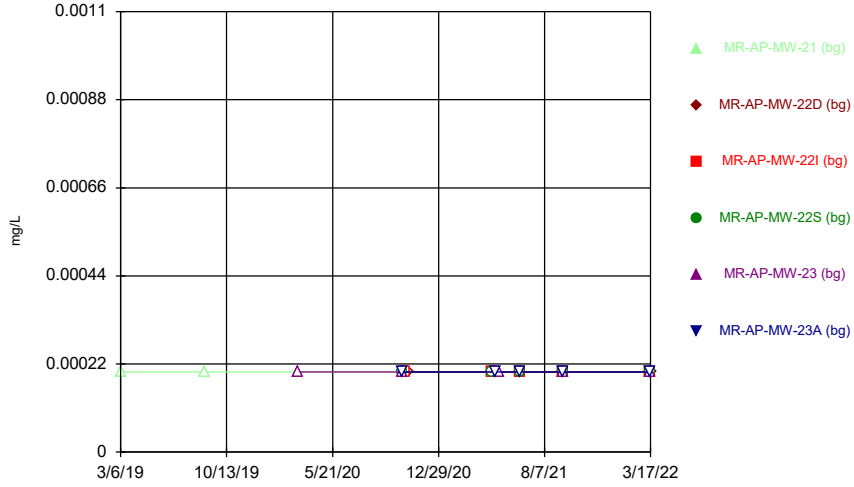
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

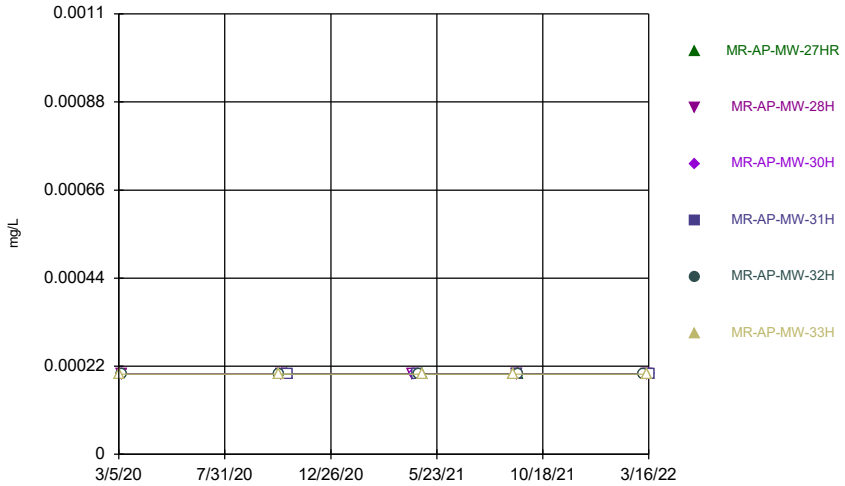
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

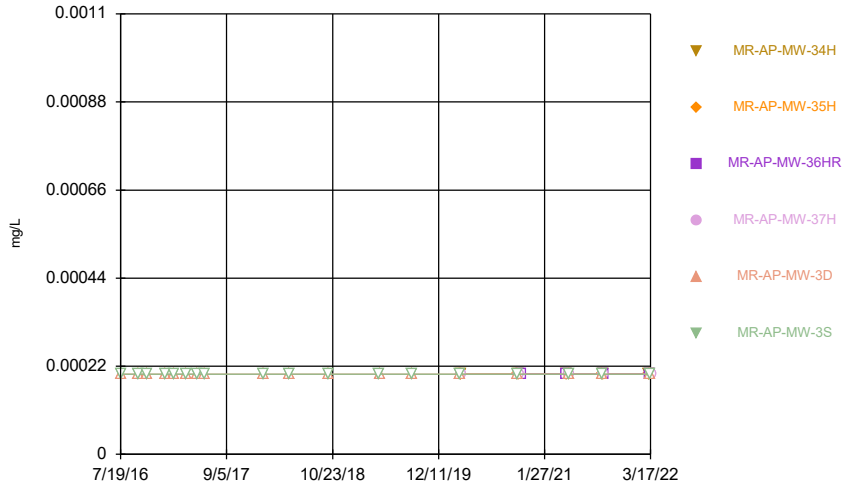
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

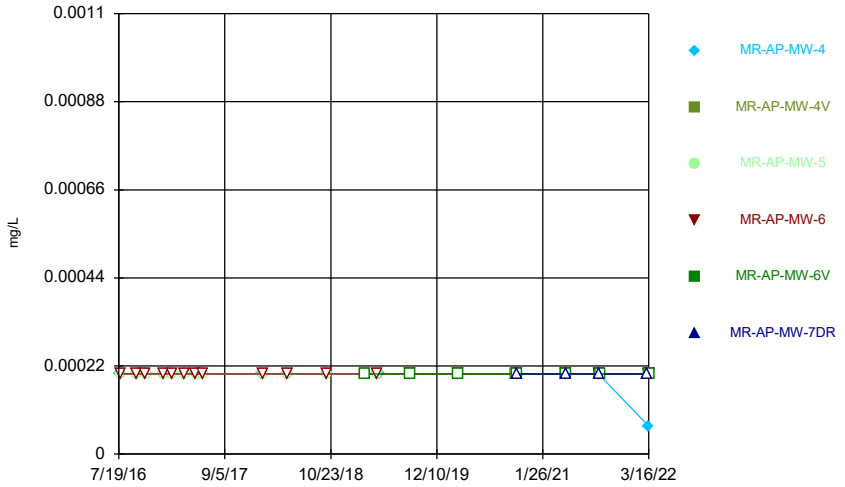
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

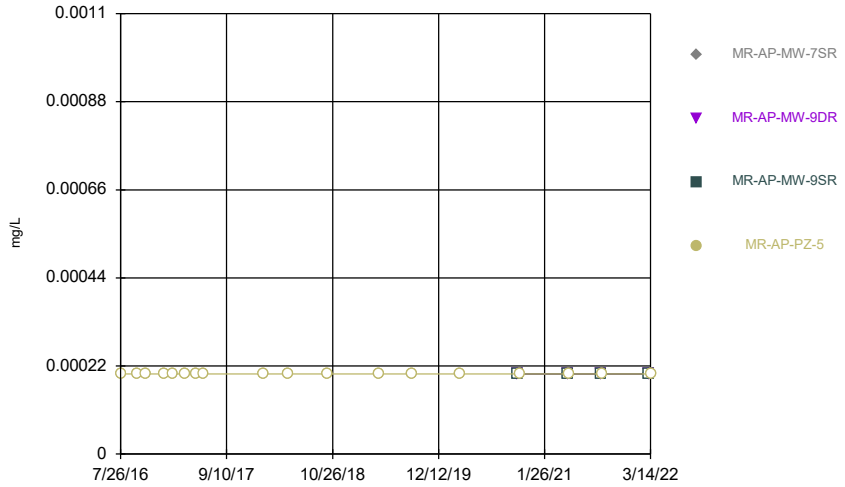
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

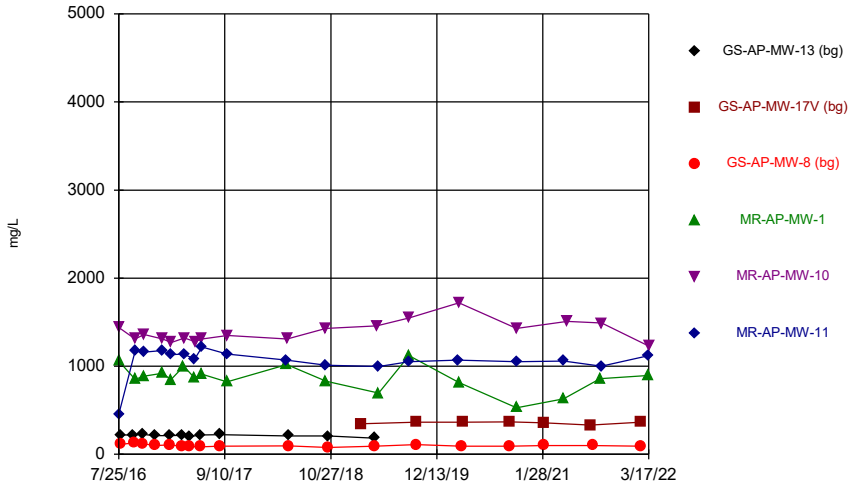
Time Series



Constituent: Thallium Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

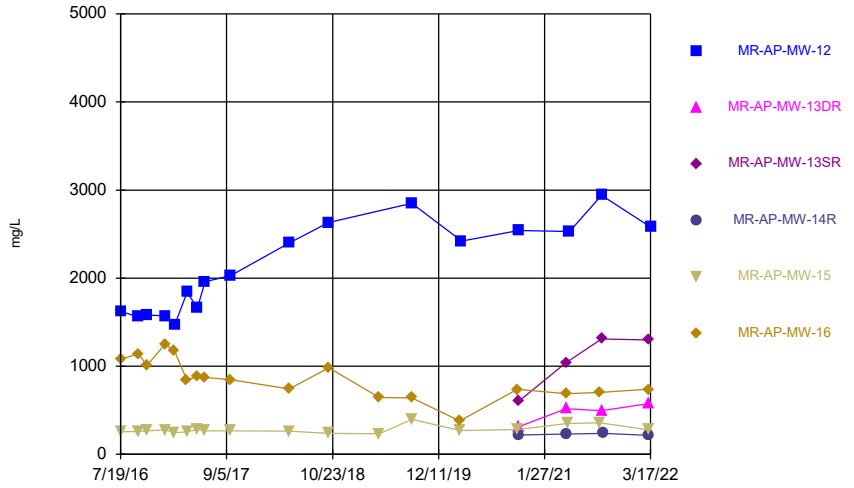
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

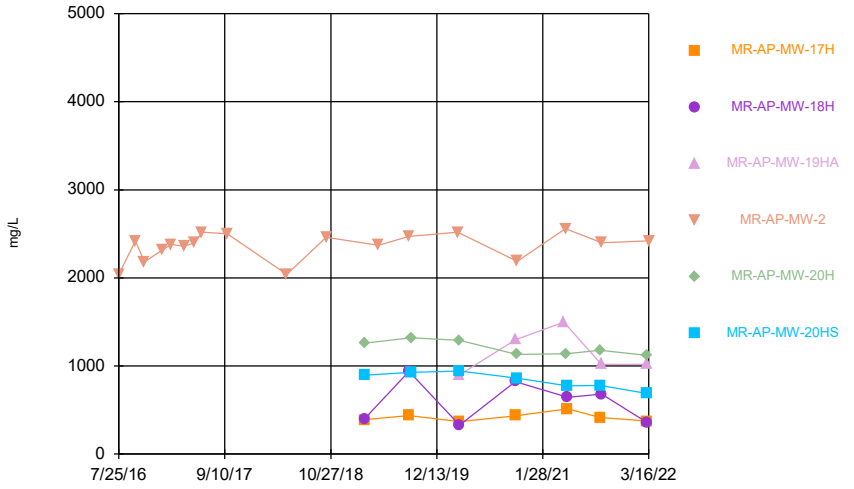
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

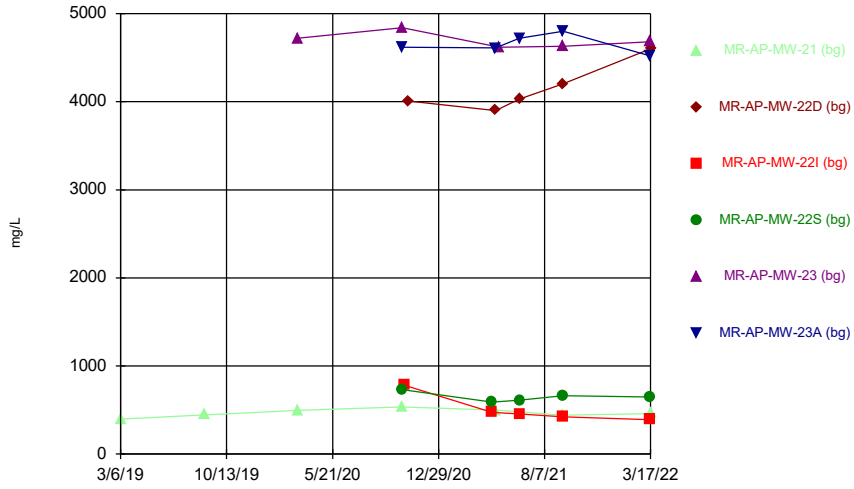
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

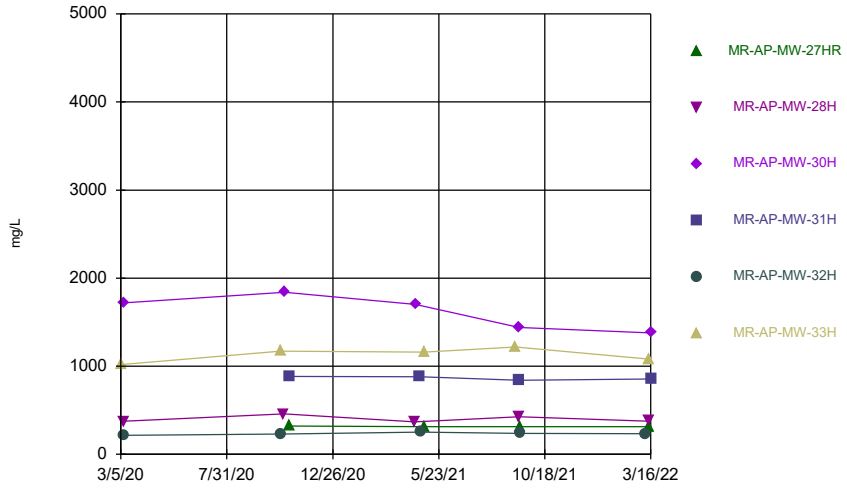
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

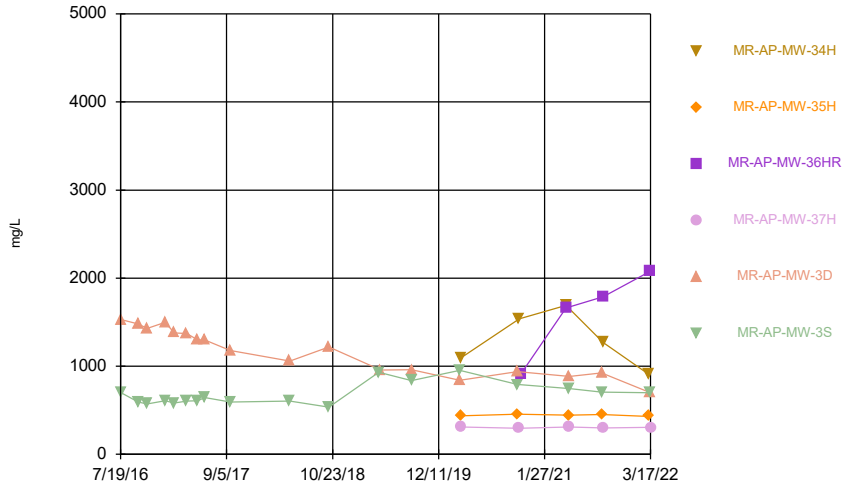
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

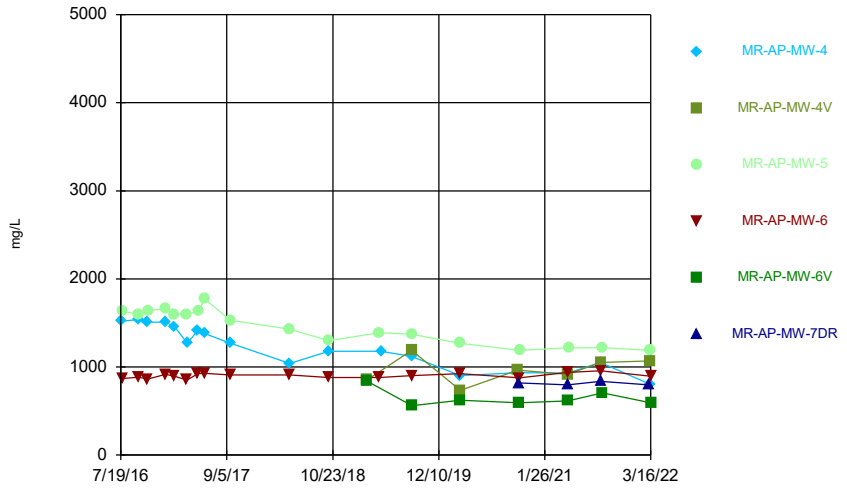
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

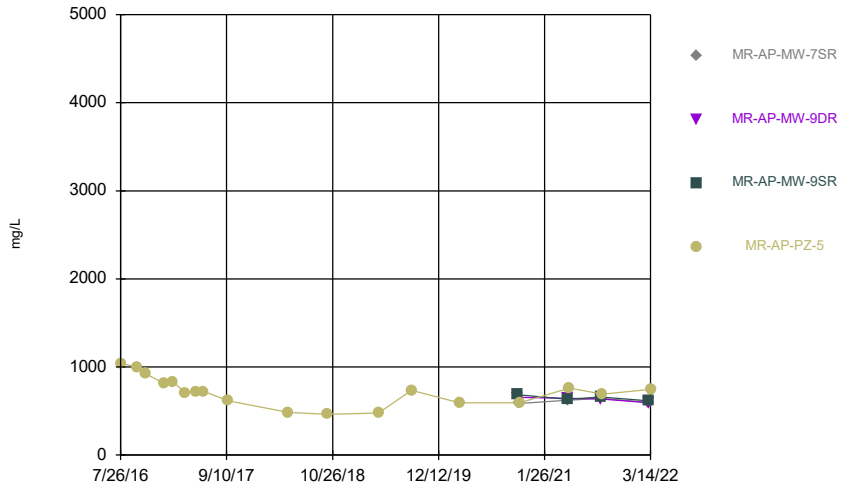
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:11 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.00102	<0.00102	<0.00102
8/2/2016	0.003					
8/3/2016			0.003			
9/20/2016	0.003					
9/21/2016			0.003			
9/26/2016				<0.00102		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.003		0.003			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				<0.00102		
12/13/2016	0.003		0.00067 (J)			
1/11/2017				<0.00102	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.003			
2/8/2017	0.003					
2/13/2017				<0.00102		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.003			
3/29/2017	0.003					
4/3/2017				<0.00102		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.003			
4/26/2017	0.003					
5/15/2017				<0.00102		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		<0.00102			
6/13/2017					<0.00102	
6/14/2017				<0.00102		<0.00102
1/31/2018					<0.00102	
2/1/2018				<0.00102		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				<0.00102		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		0.00115 (J)				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				<0.00102		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		<0.00102	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.00102	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				<0.00102	<0.00102	
10/20/2020						<0.00102
2/2/2021		<0.00102	<0.00102			
4/20/2021				<0.00102		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		<0.00102				
8/10/2021			<0.00102			
9/8/2021				<0.00102		
9/14/2021						<0.00102
9/15/2021					<0.00102	
2/14/2022		<0.00102				
2/16/2022			<0.00102			
3/15/2022				<0.00102		
3/16/2022						<0.00102
3/17/2022					<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	0.00069 (J)					
9/26/2016					<0.00102	<0.00102
9/27/2016	0.000757 (J)					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	<0.00102
1/11/2017	<0.00102					
2/14/2017					<0.00102	0.000801 (J)
2/15/2017	<0.00102					
4/3/2017						<0.00102
4/4/2017	0.000652 (J)				<0.00102	
5/15/2017	0.000849 (J)					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	<0.00102
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	0.00107 (J)
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						<0.00102
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	<0.00102
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		<0.00102	<0.00102	<0.00102		0.000768 (J)
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					<0.00102	<0.00102
9/7/2021	0.00056 (J)	<0.00102	<0.00102			
9/13/2021				<0.00102		
3/8/2022						<0.00102
3/9/2022		<0.00102	<0.00102	<0.00102	<0.00102	
3/17/2022	0.00058 (J)					

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			<0.00102			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021						<0.00102
5/5/2021	<0.00102	<0.00102				
9/7/2021	<0.00102					
9/8/2021					<0.00102	<0.00102
9/13/2021			<0.00102			
9/14/2021		<0.00102		<0.00102		
3/8/2022	<0.00102	<0.00102				
3/9/2022			<0.00102		<0.00102	<0.00102
3/16/2022				<0.00102		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		<0.00102				0.000758 (J)
4/28/2021	<0.00102					
5/5/2021					<0.00102	
6/16/2021		<0.00102	<0.00102	<0.00102		<0.00102
9/14/2021	<0.00102	0.00072 (J)				
9/15/2021			<0.00102	<0.00102	0.00056 (J)	0.00057 (J)
3/15/2022					0.0009 (J)	
3/16/2022			<0.00102	<0.00102		0.00109
3/17/2022	<0.00102	0.00114				

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			<0.00102		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021	<0.00102					<0.00102
9/8/2021						<0.00102
9/13/2021		<0.00102	<0.00102	<0.00102		
9/14/2021	<0.00102				<0.00102	
3/9/2022					<0.00102	
3/14/2022	<0.00102	<0.00102				<0.00102
3/16/2022			<0.00102	<0.00102		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.000725 (J)	0.000787 (J)
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						0.00126 (J)
4/29/2019					0.00118 (J)	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	<0.00102			0.00201 (J)		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				0.0015 (J)		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				0.00123		
5/5/2021		<0.00102			<0.00102	<0.00102
9/7/2021		<0.00102			<0.00102	<0.00102
9/13/2021	<0.00102		<0.00102			
9/15/2021				0.00098 (J)		
3/8/2022		<0.00102				
3/9/2022	<0.00102					
3/16/2022			<0.00102		<0.00102	<0.00102
3/17/2022				0.00105		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	<0.00102					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	<0.00102			<0.00102		
1/10/2017			<0.00102			
2/13/2017	<0.00102			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	<0.00102					
5/16/2017	<0.00102			<0.00102		
5/17/2017			<0.00102			
6/12/2017	<0.00102		<0.00102	<0.00102		
1/29/2018	<0.00102					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		0.000933 (J)			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	<0.00102	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	<0.00102	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	<0.00102	
5/3/2021			<0.00102			
9/1/2021	<0.00102	<0.00102		<0.00102		<0.00102
9/8/2021			<0.00102		<0.00102	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	<0.00102				
3/16/2022				<0.00102	<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				0.000701 (J)
2/13/2017				0.00166 (J)
4/3/2017				0.0008 (J)
5/17/2017				0.000975 (J)
6/12/2017				0.00107 (J)
2/1/2018				<0.00102
5/9/2018				0.00103 (J)
10/8/2018				<0.00102
4/23/2019				0.0009 (J)
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	<0.00102	<0.00102	<0.00102	
5/3/2021				<0.00102
9/1/2021	<0.00102	<0.00102	<0.00102	
9/8/2021				<0.00102
3/8/2022	<0.00102	<0.00102	<0.00102	
3/14/2022				<0.00102

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0046 (J)	0.00272 (J)	<0.0002
8/2/2016	0.005					
8/3/2016			0.00214 (J)			
9/20/2016	0.005					
9/21/2016			0.00112 (J)			
9/26/2016				0.00317 (J)		
9/27/2016					0.00246 (J)	<0.0002
10/25/2016	0.005		0.005			
10/31/2016					0.00261 (J)	
11/1/2016						<0.0002
11/2/2016				0.00321 (J)		
12/13/2016	0.005		0.005			
1/11/2017				0.00286 (J)	0.00291 (J)	
1/12/2017						<0.0002
2/6/2017			0.00111 (J)			
2/8/2017	0.005					
2/13/2017				0.0024 (J)		<0.0002
2/14/2017					0.00272 (J)	
3/28/2017			0.00109 (J)			
3/29/2017	0.005					
4/3/2017				0.00232 (J)		
4/4/2017						<0.0002
4/6/2017					0.00235 (J)	
4/24/2017			0.005			
4/26/2017	0.005					
5/15/2017				0.00183 (J)		
5/16/2017						<0.0002
5/17/2017					0.00213 (J)	
6/7/2017	<0.0002		<0.0002			
6/13/2017					0.00218 (J)	
6/14/2017				0.00151 (J)		<0.0002
1/31/2018					0.00229 (J)	
2/1/2018				0.00284 (J)		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				0.00109 (J)		
5/10/2018					0.00215 (J)	
5/15/2018	<0.0002		<0.0002			
10/8/2018					0.00184 (J)	
10/9/2018				0.00174 (J)		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		0.0011 (J)				
4/16/2019	<0.0002		<0.0002			
4/24/2019					0.00193 (J)	
5/1/2019				0.00229 (J)		<0.0002
8/27/2019				0.00211 (J)		
8/28/2019						<0.0002
8/29/2019					0.00177 (J)	
9/24/2019		0.00149 (J)	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0058	0.0018 (J)	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				0.00351 (J)	0.00186 (J)	
10/20/2020						<0.0002
2/2/2021		0.000243	0.000228			
4/20/2021				0.00225		
4/21/2021						8.14E-05 (J)
5/3/2021					0.00142	
8/2/2021		0.00013 (J)				
8/10/2021			0.00039			
9/8/2021				0.00219		
9/14/2021						8E-05 (J)
9/15/2021					0.0016	
2/14/2022		0.00047				
2/16/2022			0.00028			
3/15/2022				0.0021		
3/16/2022						0.00012 (J)
3/17/2022					0.061	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.00159 (J)
7/20/2016	0.00169 (J)					
9/26/2016					<0.0002	<0.0002
9/27/2016	0.00187 (J)					
10/31/2016					<0.0002	<0.0002
11/1/2016	0.00203 (J)					
1/9/2017					<0.0002	<0.0002
1/11/2017	0.00196 (J)					
2/14/2017					<0.0002	<0.0002
2/15/2017	0.00189 (J)					
4/3/2017						<0.0002
4/4/2017	0.00186 (J)				<0.0002	
5/15/2017	0.00167 (J)					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	0.00161 (J)					
1/30/2018	0.00189 (J)					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	0.00222 (J)					
10/8/2018	0.0024 (J)					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	0.00297 (J)				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	0.00353 (J)					
10/13/2020					<0.0002	<0.0002
10/19/2020	0.00463 (J)					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		0.000396	0.00109	0.000288		0.000891
4/26/2021					0.000665	
5/5/2021	0.00514					
9/1/2021					0.00083	0.0009
9/7/2021	0.00507	0.00041	0.0013			
9/13/2021				0.00023		
3/8/2022						0.00073
3/9/2022		0.00066	0.00155	0.00019 (J)	0.00042	
3/17/2022	0.0078					

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.00267 (J)		
9/28/2016				0.00163 (J)		
11/1/2016				0.00197 (J)		
1/11/2017				0.00168 (J)		
2/14/2017				0.00175 (J)		
4/4/2017				0.00148 (J)		
5/16/2017				0.00156 (J)		
6/14/2017				0.00154 (J)		
2/1/2018				0.0013 (J)		
5/9/2018				0.00121 (J)		
10/9/2018				0.00156 (J)		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				0.0039 (J)		
8/27/2019	<0.0002	<0.0002		0.00194 (J)		
9/3/2019					0.00104 (J)	<0.0002
3/3/2020				0.00238 (J)		
3/9/2020			0.00384 (J)			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			0.00247 (J)			
10/19/2020					0.00105 (J)	<0.0002
10/21/2020				0.00346 (J)		
4/20/2021			0.000986			
4/26/2021				0.00346		
4/28/2021					0.00106	
5/3/2021						0.00022
5/5/2021	0.00115	0.000269				
9/7/2021	0.00011 (J)					
9/8/2021					0.00094	0.00027
9/13/2021			0.00042			
9/14/2021		0.00024		0.0043		
3/8/2022	<0.0002	0.00028				
3/9/2022			0.00061		0.00087	0.0003
3/16/2022				0.00394		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.00106 (J)					
8/28/2019	0.00129 (J)					
3/9/2020	0.00472 (J)				<0.0002	
10/13/2020	0.00366 (J)					
10/14/2020				0.00129 (J)	<0.0002	0.0014 (J)
10/20/2020			0.00319 (J)			
10/26/2020		0.00188 (J)				
4/20/2021			0.00111	0.000373		
4/27/2021		0.00645				0.00164
4/28/2021	0.00292					
5/5/2021					0.000426	
6/16/2021		0.0047	0.00055	0.00068		0.0019
9/14/2021	0.001	0.00273				
9/15/2021			0.00047	0.00038	0.00052	0.00416
3/15/2022					0.00038	
3/16/2022			0.00026	0.00037		0.00449
3/17/2022	0.00137	0.00354				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.00362 (J)
3/9/2020		0.00423 (J)				
3/10/2020			0.00737		0.00312 (J)	
10/14/2020						0.0047 (J)
10/15/2020					0.00527	
10/19/2020		0.00281 (J)				
10/20/2020			0.00242 (J)			
10/26/2020	<0.0002					
10/27/2020				0.00133 (J)		
4/20/2021		0.00173				
4/21/2021			0.000974			
4/27/2021				0.000721		
4/28/2021					0.000881	
5/3/2021	0.00031					0.00436
9/8/2021						0.00429
9/13/2021		0.00164	0.00049	0.00048		
9/14/2021	0.00027				0.00092	
3/9/2022					0.0008	
3/14/2022	0.00027	0.00135				0.00358
3/16/2022			0.0011	0.0004		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.0105	0.00172 (J)
9/26/2016					0.0106	0.00246 (J)
10/31/2016					0.0111	0.00224 (J)
1/9/2017					0.0119	0.00251 (J)
2/13/2017					0.0122	0.00179 (J)
4/3/2017					0.0115	0.00128 (J)
5/16/2017					0.0103	0.00124 (J)
6/12/2017					0.0108	0.0018 (J)
1/29/2018					0.0119	0.00264 (J)
5/10/2018					0.0111	0.00262 (J)
10/9/2018					0.01	0.00206 (J)
4/22/2019						0.00275 (J)
4/29/2019					0.0108	
8/27/2019					0.0111	0.00222 (J)
3/3/2020					0.0118	0.00199 (J)
3/9/2020	0.00719			0.0113		
3/10/2020		0.0139				
10/13/2020		0.0146			0.015	<0.0002
10/19/2020				0.00192 (J)		
10/21/2020	<0.0002					
10/27/2020			0.00333 (J)			
4/21/2021	0.0013		0.00666			
5/3/2021				0.00127		
5/5/2021		0.0117			0.0116	0.000735
9/7/2021		0.0129			0.011	0.00088
9/13/2021	0.00087		0.00601			
9/15/2021				0.00127		
3/8/2022		0.0118				
3/9/2022	0.00067					
3/16/2022			0.00633		0.0107	0.00074
3/17/2022				0.00148		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			0.0112	<0.0002		
9/27/2016	<0.0002					
9/28/2016			0.00955	<0.0002		
11/1/2016	<0.0002			<0.0002		
11/2/2016			0.0129			
1/9/2017	<0.0002			<0.0002		
1/10/2017			0.0135			
2/13/2017	<0.0002			<0.0002		
2/14/2017			0.0141			
4/3/2017			0.0141	<0.0002		
4/4/2017	<0.0002					
5/16/2017	<0.0002			<0.0002		
5/17/2017			0.0138			
6/12/2017	<0.0002		0.0118	<0.0002		
1/29/2018	<0.0002					
2/1/2018			0.0142	<0.0002		
5/9/2018	<0.0002		0.0114	<0.0002		
10/8/2018	<0.0002		0.0109	<0.0002		
3/5/2019		0.00167 (J)			0.00146 (J)	
4/23/2019			0.0122	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	0.00149 (J)				
8/28/2019			0.0107	<0.0002	0.0151	
3/2/2020			0.0122			
3/3/2020				<0.0002	0.0236	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					0.00307 (J)	
10/20/2020				<0.0002		0.00547
10/21/2020			0.0145			
4/26/2021	0.000368	0.000554				
4/27/2021						0.00188
4/28/2021				0.000104 (J)	0.00239	
5/3/2021			0.0111			
9/1/2021	0.0004	0.00081		<0.0002		0.00098
9/8/2021			0.0112		0.0016	
3/8/2022						0.00061
3/14/2022			0.00987			
3/15/2022	0.0002 (J)	0.00165				
3/16/2022				0.00012 (J)	0.00161	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.00314 (J)
9/28/2016				0.00629
11/2/2016				0.00438 (J)
1/12/2017				0.0039 (J)
2/13/2017				0.00443 (J)
4/3/2017				0.00206 (J)
5/17/2017				0.00306 (J)
6/12/2017				0.00203 (J)
2/1/2018				0.00181 (J)
5/9/2018				0.00291 (J)
10/8/2018				0.00166 (J)
4/23/2019				<0.0002
8/29/2019				0.00123 (J)
3/2/2020				0.0013 (J)
10/15/2020		<0.0002	0.0016 (J)	
10/20/2020	0.00251 (J)			
10/21/2020				0.00137 (J)
4/27/2021	0.00254	0.000587	0.00112	
5/3/2021				0.000109 (J)
9/1/2021	0.0022	0.00056	0.0009	
9/8/2021				0.00021
3/8/2022	0.00177	0.00086	0.00079	
3/14/2022				9E-05 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0656	0.0185	0.052
8/2/2016	0.184					
8/3/2016			0.0274			
9/20/2016	0.153					
9/21/2016			0.0811			
9/26/2016				0.041		
9/27/2016					0.0131	0.0398
10/25/2016	0.176		0.0576			
10/31/2016					0.0124	
11/1/2016						0.0375
11/2/2016				0.0578		
12/13/2016	0.184		0.0241			
1/11/2017				0.0603	0.0122	
1/12/2017						0.0291
2/6/2017			0.0747			
2/8/2017	0.189					
2/13/2017				0.0946		0.0329
2/14/2017					0.0151	
3/28/2017			0.0183			
3/29/2017	0.184					
4/3/2017				0.0996		
4/4/2017						0.0292
4/6/2017					0.0116	
4/24/2017			0.04			
4/26/2017	0.177					
5/15/2017				0.0753		
5/16/2017						0.0247
5/17/2017					0.0132	
6/7/2017	0.164		0.00769 (J)			
6/13/2017					0.0131	
6/14/2017				0.0821		0.0263
1/31/2018					0.0138	
2/1/2018				0.0814		0.0366
2/19/2018			0.00762 (J)			
2/20/2018	0.165					
5/8/2018						0.0347
5/9/2018				0.116		
5/10/2018					0.0142	
5/15/2018	0.172		0.00701 (J)			
10/8/2018					0.0126	
10/9/2018				0.0933		0.0322
10/16/2018			0.0094 (J)			
10/17/2018	0.165					
2/20/2019		0.191				
4/16/2019	0.16		0.00459 (J)			
4/24/2019					0.0154	
5/1/2019				0.0672		0.04
8/27/2019				0.0555		
8/28/2019						0.0387
8/29/2019					0.0185	
9/24/2019		0.208	0.0434			
3/3/2020						0.029

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0285	0.0175	
3/18/2020			0.00507 (J)			
3/25/2020		0.314				
9/21/2020			0.026			
9/23/2020		0.299				
10/19/2020				0.0295	0.0168	
10/20/2020						0.0414
2/2/2021		0.308	0.0068			
4/20/2021				0.0454		
4/21/2021						0.0401
5/3/2021					0.0147	
8/2/2021		0.353				
8/10/2021			0.00805			
9/8/2021				0.101		
9/14/2021						0.0392
9/15/2021					0.017	
2/14/2022		0.315				
2/16/2022			0.00763			
3/15/2022				0.12		
3/16/2022						0.031
3/17/2022					0.0106	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.125	0.044
7/20/2016	0.0243					
9/26/2016					0.131	0.0367
9/27/2016	0.0273					
10/31/2016					0.101	0.0277
11/1/2016	0.0211					
1/9/2017					0.0952	0.0323
1/11/2017	0.0208					
2/14/2017					0.106	0.0391
2/15/2017	0.0227					
4/3/2017						0.0245
4/4/2017	0.021				0.0962	
5/15/2017	0.0229					
5/16/2017					0.1	0.0276
6/12/2017					0.08	0.0242
6/14/2017	0.0221					
1/30/2018	0.0224					
1/31/2018					0.07	
2/1/2018						0.0289
5/7/2018					0.071	0.0264
5/8/2018	0.0194					
10/8/2018	0.0167					
10/9/2018					0.0588	0.0271
4/24/2019					0.0765	0.0252
8/28/2019	0.0177				0.0424	0.0208
3/3/2020						0.03
3/4/2020					0.0544	
3/10/2020	0.015					
10/13/2020					0.0522	0.0322
10/19/2020	0.0157					
10/20/2020		0.144	0.0466	0.116		
4/21/2021		0.104	0.0286	0.0998		0.02
4/26/2021					0.0308	
5/5/2021	0.0136					
9/1/2021					0.0298	0.0243
9/7/2021	0.0191	0.0749	0.0277			
9/13/2021				0.104		
3/8/2022						0.0206
3/9/2022		0.0618	0.0216	0.101	0.0275	
3/17/2022	0.0149					

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.0266		
9/28/2016				0.0246		
11/1/2016				0.0186		
1/11/2017				0.0157		
2/14/2017				0.0183		
4/4/2017				0.016		
5/16/2017				0.0162		
6/14/2017				0.016		
2/1/2018				0.016		
5/9/2018				0.0143		
10/9/2018				0.0136		
3/6/2019	0.65	0.0293			0.0486	0.0711
5/1/2019				0.0164		
8/27/2019	0.495	0.0361		0.0177		
9/3/2019					0.0361	0.0425
3/3/2020				0.0172		
3/9/2020			0.0752			
3/10/2020	0.425	0.0261			0.0267	0.0292
10/13/2020	0.444	0.0379				
10/14/2020			0.0769			
10/19/2020					0.0276	0.0283
10/21/2020				0.0185		
4/20/2021			0.0976			
4/26/2021				0.0167		
4/28/2021					0.025	
5/3/2021						0.027
5/5/2021	1.68	0.0484				
9/7/2021	0.511					
9/8/2021					0.028	0.0283
9/13/2021			0.0673			
9/14/2021		0.0301		0.0197		
3/8/2022	0.622	0.0258				
3/9/2022			0.0604		0.0245	0.0263
3/16/2022				0.0147		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.0629					
8/28/2019	0.314					
3/9/2020	0.469				11	
10/13/2020	0.381					
10/14/2020				0.122	12.4	9.8 (RA)
10/20/2020			0.198			
10/26/2020		4.33				
4/20/2021			0.0624	0.0638		
4/27/2021		2.59				6.89 (RA)
4/28/2021	0.25					
5/5/2021					11.9	
6/16/2021		2.96	0.0602	0.074		6.51
9/14/2021	0.147	4.49				
9/15/2021			0.0489	0.0635	12.2	6.53
3/15/2022					11.7	
3/16/2022			0.0367	0.053		6.68
3/17/2022	0.142	2.95				

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.0326
3/9/2020		0.0658				
3/10/2020			0.0503		0.367	
10/14/2020						0.0381
10/15/2020					0.584	
10/19/2020		0.0429				
10/20/2020			0.0468			
10/26/2020	0.101					
10/27/2020				0.0585		
4/20/2021		0.0447				
4/21/2021			0.0266			
4/27/2021				0.045		
4/28/2021					0.522	
5/3/2021	0.0893					0.0324
9/8/2021						0.0369
9/13/2021		0.0484	0.0207	0.0443		
9/14/2021	0.091				0.585	
3/9/2022					0.492	
3/14/2022	0.0875	0.0452				0.0317
3/16/2022			0.0214	0.0361		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.032	0.083
9/26/2016					0.0222	0.0616
10/31/2016					0.0235	0.073
1/9/2017					0.0229	0.0791
2/13/2017					0.0259	0.101
4/3/2017					0.0244	0.109
5/16/2017					0.0229	0.108
6/12/2017					0.0246	0.0919
1/29/2018					0.0282	0.118
5/10/2018					0.0243	0.133
10/9/2018					0.0234	0.121
4/22/2019						0.447
4/29/2019					0.0404	
8/27/2019					0.0334	0.395
3/3/2020					0.0304	0.347
3/9/2020	0.088			0.112		
3/10/2020		0.0349				
10/13/2020		0.0315			0.0293	0.22
10/19/2020				0.11		
10/21/2020	0.0952					
10/27/2020			0.0347			
4/21/2021	0.0853		0.0467			
5/3/2021				0.101		
5/5/2021		0.0317			0.0247	0.149
9/7/2021		0.0289			0.0259	0.17
9/13/2021	0.0692		0.0518			
9/15/2021				0.11		
3/8/2022		0.0274				
3/9/2022	0.0615					
3/16/2022			0.0536		0.0247	0.149
3/17/2022				0.103		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.0165					
7/26/2016			0.0158	0.0266		
9/27/2016	0.0139					
9/28/2016			0.0153	0.0261		
11/1/2016	0.0141			0.0265		
11/2/2016			0.0154			
1/9/2017	0.0144			0.0256		
1/10/2017			0.015			
2/13/2017	0.0145			0.0286		
2/14/2017			0.017			
4/3/2017			0.0148	0.0253		
4/4/2017	0.013					
5/16/2017	0.0121			0.0268		
5/17/2017			0.0149			
6/12/2017	0.0133		0.0154	0.026		
1/29/2018	0.0137					
2/1/2018			0.0162	0.0264		
5/9/2018	0.0142		0.0144	0.0242		
10/8/2018	0.0119		0.0149	0.023		
3/5/2019		0.0219			0.0355	
4/23/2019			0.0163	0.0256		
4/29/2019	0.0146					
8/27/2019	0.014	0.0187				
8/28/2019			0.0158	0.0269	0.0614	
3/2/2020			0.0155			
3/3/2020				0.0257	0.0275	
3/4/2020	0.0137	0.019				
10/14/2020	0.0127	0.0179				
10/19/2020					0.0597	
10/20/2020				0.0252		0.0331
10/21/2020			0.0173			
4/26/2021	0.0115	0.0182				
4/27/2021						0.0262
4/28/2021				0.0241	0.0259	
5/3/2021			0.015			
9/1/2021	0.0129	0.0177		0.0251		0.028
9/8/2021			0.0175		0.0331	
3/8/2022						0.0261
3/14/2022			0.0162			
3/15/2022	0.0137	0.0183				
3/16/2022				0.0228	0.0281	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.11
9/28/2016				0.0644
11/2/2016				0.0781
1/12/2017				0.0582
2/13/2017				0.0612
4/3/2017				0.166
5/17/2017				0.11
6/12/2017				0.127
2/1/2018				0.144
5/9/2018				0.131
10/8/2018				0.111
4/23/2019				0.176
8/29/2019				0.25
3/2/2020				0.165
10/15/2020		0.0408	0.0274	
10/20/2020	0.0466			
10/21/2020				0.166
4/27/2021	0.0421	0.0368	0.0184	
5/3/2021				0.248
9/1/2021	0.043	0.0394	0.0172	
9/8/2021				0.236
3/8/2022	0.0403	0.0393	0.0169	
3/14/2022				0.267

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.00102	<0.00102	<0.00102
8/2/2016	0.003					
8/3/2016			0.003			
9/20/2016	0.003					
9/21/2016			0.003			
9/26/2016				<0.00102		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.003		0.003			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				<0.00102		
12/13/2016	0.003		0.003			
1/11/2017				<0.00102	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.003			
2/8/2017	0.003					
2/13/2017				<0.00102		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.003			
3/29/2017	0.003					
4/3/2017				<0.00102		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.003			
4/26/2017	0.003					
5/15/2017				<0.00102		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		<0.00102			
6/13/2017					<0.00102	
6/14/2017				<0.00102		<0.00102
1/31/2018					<0.00102	
2/1/2018				<0.00102		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				<0.00102		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		<0.00102				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				<0.00102		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		<0.00102	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.00102	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				<0.00102	<0.00102	
10/20/2020						<0.00102
2/2/2021		<0.00102	<0.00102			
4/20/2021				<0.00102		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		<0.00102				
8/10/2021			<0.00102			
9/8/2021				<0.00102		
9/14/2021						<0.00102
9/15/2021					<0.00102	
2/14/2022		<0.00102				
2/16/2022			<0.00102			
3/15/2022				<0.00102		
3/16/2022						<0.00102
3/17/2022					<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	<0.00102					
9/26/2016					<0.00102	<0.00102
9/27/2016	<0.00102					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	<0.00102
1/11/2017	<0.00102					
2/14/2017					<0.00102	<0.00102
2/15/2017	<0.00102					
4/3/2017						<0.00102
4/4/2017	<0.00102				<0.00102	
5/15/2017	<0.00102					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	<0.00102
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	<0.00102
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						<0.00102
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	<0.00102
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		<0.00102	<0.00102	<0.00102		<0.00102
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					<0.00102	<0.00102
9/7/2021	<0.00102	<0.00102	0.00166			
9/13/2021				<0.00102		
3/8/2022						<0.00102
3/9/2022		<0.00102	0.00171	<0.00102	<0.00102	
3/17/2022	<0.00102					

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			<0.00102			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021						<0.00102
5/5/2021	0.000633 (J)	<0.00102				
9/7/2021	<0.00102					
9/8/2021					<0.00102	<0.00102
9/13/2021			<0.00102			
9/14/2021		<0.00102		<0.00102		
3/8/2022	<0.00102	<0.00102				
3/9/2022			<0.00102		<0.00102	<0.00102
3/16/2022				<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		<0.00102				<0.00102
4/28/2021	<0.00102					
5/5/2021					<0.00102	
6/16/2021		<0.00102	<0.00102	<0.00102		<0.00102
9/14/2021	<0.00102	<0.00102				
9/15/2021			<0.00102	<0.00102	<0.00102	<0.00102
3/15/2022					<0.00102	
3/16/2022			<0.00102	<0.00102		<0.00102
3/17/2022	<0.00102	<0.00102				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			<0.00102		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021	<0.00102					<0.00102
9/8/2021						<0.00102
9/13/2021		<0.00102	<0.00102	<0.00102		
9/14/2021	<0.00102				<0.00102	
3/9/2022					<0.00102	
3/14/2022	<0.00102	<0.00102				<0.00102
3/16/2022			<0.00102	<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.00102	<0.00102
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						<0.00102
4/29/2019					<0.00102	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	<0.00102			<0.00102		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				<0.00102		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				<0.00102		
5/5/2021		<0.00102			<0.00102	<0.00102
9/7/2021		<0.00102			<0.00102	<0.00102
9/13/2021	<0.00102		<0.00102			
9/15/2021				<0.00102		
3/8/2022		<0.00102				
3/9/2022	<0.00102					
3/16/2022			<0.00102		<0.00102	<0.00102
3/17/2022				<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	<0.00102					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	<0.00102			<0.00102		
1/10/2017			<0.00102			
2/13/2017	<0.00102			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	<0.00102					
5/16/2017	<0.00102			<0.00102		
5/17/2017			<0.00102			
6/12/2017	<0.00102		<0.00102	<0.00102		
1/29/2018	<0.00102					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		<0.00102			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	<0.00102	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	<0.00102	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	<0.00102	
5/3/2021			<0.00102			
9/1/2021	<0.00102	<0.00102		<0.00102		<0.00102
9/8/2021			<0.00102		<0.00102	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	<0.00102				
3/16/2022				<0.00102	<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				<0.00102
2/13/2017				<0.00102
4/3/2017				<0.00102
5/17/2017				<0.00102
6/12/2017				<0.00102
2/1/2018				<0.00102
5/9/2018				<0.00102
10/8/2018				<0.00102
4/23/2019				<0.00102
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	<0.00102	<0.00102	<0.00102	
5/3/2021				<0.00102
9/1/2021	<0.00102	<0.00102	<0.00102	
9/8/2021				<0.00102
3/8/2022	<0.00102	<0.00102	<0.00102	
3/14/2022				<0.00102

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0978 (J)	3.36	0.0282 (J)
8/2/2016	0.1					
8/3/2016			0.0239 (J)			
9/20/2016	0.1					
9/21/2016			0.1			
9/26/2016				0.0625 (J)		
9/27/2016					3.18	0.0253 (J)
10/25/2016	0.1		0.1			
10/31/2016					3.32	
11/1/2016						0.0266 (J)
11/2/2016				0.067 (J)		
12/13/2016	0.1		0.1			
1/11/2017				0.0588 (J)	3.05	
1/12/2017						0.0268 (J)
2/6/2017			0.1			
2/8/2017	0.1					
2/13/2017				0.0561 (J)		0.0263 (J)
2/14/2017					2.87	
3/28/2017			0.1			
3/29/2017	0.1					
4/3/2017				0.0631 (J)		
4/4/2017						0.0252 (J)
4/6/2017					2.87	
4/24/2017			0.1			
4/26/2017	0.1					
5/15/2017				0.0636 (J)		
5/16/2017						0.0319 (J)
5/17/2017					2.71	
6/7/2017	<0.1015		<0.1015			
6/13/2017					2.67	
6/14/2017				0.0603 (J)		0.026 (J)
8/21/2017			<0.1015			
8/22/2017	<0.1015					
9/19/2017				0.0559 (J)		0.0253 (J)
9/21/2017					3.08	
5/8/2018						<0.1015
5/9/2018				0.0437 (J)		
5/10/2018					3.04	
5/15/2018	<0.1015		<0.1015			
10/8/2018					3.46	
10/9/2018				0.0559 (J)		0.0262 (J)
10/16/2018			<0.1015			
10/17/2018	<0.1015					
2/20/2019		0.0337 (J)				
4/16/2019	<0.1015		<0.1015			
4/24/2019					3.61	
5/1/2019				<0.1015		<0.1015
8/27/2019				0.0869 (J)		
8/28/2019						<0.1015
8/29/2019					4.1	
9/24/2019		0.0532 (J)	<0.1015			
3/3/2020						0.0308 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0747 (J)	4.7	
3/18/2020			<0.1015			
3/25/2020		0.0482 (J)				
9/21/2020			<0.1015			
9/23/2020		0.0478 (J)				
10/19/2020				0.0512 (J)	4.44	
10/20/2020						0.0357 (J)
2/2/2021		0.0396 (J)	<0.1015			
4/20/2021				0.0653 (J)		
4/21/2021						<0.1015
5/3/2021					4.45	
8/2/2021		0.0368 (J)				
8/10/2021			<0.1015			
9/8/2021				0.0505 (J)		
9/14/2021						<0.1015
9/15/2021					4.8	
2/14/2022		0.0386 (J)				
2/16/2022			<0.1015			
3/15/2022				0.0528 (J)		
3/16/2022						0.0357 (J)
3/17/2022					5.81	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.15	2.86
7/20/2016	2.36					
9/26/2016					0.175	2.86
9/27/2016	2.14					
10/31/2016					0.204	3.25
11/1/2016	2.21					
1/9/2017					0.192	2.71
1/11/2017	2.04					
2/14/2017					0.161	2.39
2/15/2017	2.12					
4/3/2017						1.86
4/4/2017	2.51				0.147	
5/15/2017	2.54					
5/16/2017					0.168	2.67
6/12/2017					0.18	2.81
6/14/2017	2.83					
9/19/2017					0.192	3
9/21/2017	3.76					
5/7/2018					0.258	2.83
5/8/2018	5.61					
10/8/2018	6.35					
10/9/2018					0.237	2.85
4/24/2019					0.243	2.41
8/28/2019	7.06				0.863	3.18
3/3/2020						1.29
3/4/2020					0.285	
3/10/2020	7.52					
10/13/2020					0.375	2.62
10/19/2020	7.42					
10/20/2020		0.0304 (J)	0.0541 (J)	0.0773 (J)		
4/21/2021		0.0561 (J)	0.0404 (J)	0.101 (J)		2.63
4/26/2021					0.651	
5/5/2021	8.01					
9/1/2021					0.705	2.16
9/7/2021	7.19	0.0476 (J)	0.0429 (J)			
9/13/2021				0.0837 (J)		
3/8/2022						2.13
3/9/2022		0.0558 (J)	0.0421 (J)	0.081 (J)	0.445	
3/17/2022	7.07					

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.0922 (J)		
9/28/2016				0.126		
11/1/2016				0.0959 (J)		
1/11/2017				0.0976 (J)		
2/14/2017				0.147		
4/4/2017				0.121		
5/16/2017				0.167		
6/14/2017				0.159		
9/20/2017				0.148		
5/9/2018				0.145		
10/9/2018				0.15		
3/6/2019	0.0571 (J)	0.178			0.699	0.641
5/1/2019				0.24		
8/27/2019	0.0898 (J)	0.299		0.192		
9/3/2019					0.751	0.61
3/3/2020				0.167		
3/9/2020			0.132			
3/10/2020	0.0538 (J)	0.151			0.759	0.633
10/13/2020	0.0857 (J)	0.302				
10/14/2020			0.167			
10/19/2020					0.724	0.615
10/21/2020				0.316		
4/20/2021			0.193			
4/26/2021				0.173		
4/28/2021					0.735	
5/3/2021						0.562
5/5/2021	0.145	0.237				
9/7/2021	0.0842 (J)					
9/8/2021					0.741	0.557
9/13/2021			0.159			
9/14/2021		0.289		0.188		
3/8/2022	0.0797 (J)	0.194				
3/9/2022			0.158		0.759	0.491
3/16/2022				0.165		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.0619 (J)					
8/28/2019	0.0879 (J)					
3/9/2020	0.101				0.756	
10/13/2020	0.0973 (J)					
10/14/2020				0.134	0.762	0.706
10/20/2020			0.173			
10/26/2020		0.149				
4/20/2021			0.135	0.0628 (J)		
4/27/2021		0.17				0.694
4/28/2021	0.0976 (J)					
5/5/2021					0.765	
6/16/2021		0.171	0.134	0.0677 (J)		0.697
9/14/2021	0.0892 (J)	0.153				
9/15/2021			0.122	0.062 (J)	0.736	0.673
3/15/2022					0.709	
3/16/2022			0.121	0.0672 (J)		0.668
3/17/2022	0.089 (J)	0.153				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.608
3/9/2020		0.119				
3/10/2020			0.0912 (J)		<0.1015	
10/14/2020						0.738
10/15/2020					<0.1015	
10/19/2020		0.608				
10/20/2020			0.0673 (J)			
10/26/2020	<0.1015					
10/27/2020				0.0341 (J)		
4/20/2021		0.212				
4/21/2021			0.0481 (J)			
4/27/2021				0.0315 (J)		
4/28/2021					<0.1015	
5/3/2021	<0.1015					0.695
9/8/2021						0.776
9/13/2021		0.289	0.0312 (J)	0.0315 (J)		
9/14/2021	<0.1015				<0.1015	
3/9/2022					<0.1015	
3/14/2022	<0.1015	0.292				0.715
3/16/2022			0.0394 (J)	0.0311 (J)		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.527	0.195
9/26/2016					0.54	0.179
10/31/2016					0.586	0.19
1/9/2017					0.584	0.196
2/13/2017					0.567	0.187
4/3/2017					0.527	0.192
5/16/2017					0.477	0.178
6/12/2017					0.491	0.181
9/20/2017					0.505	0.188
5/10/2018					0.425	0.183
10/9/2018					0.471	0.202
4/22/2019						0.183 (J)
4/29/2019					0.407	
8/27/2019					0.443	0.209
3/3/2020					0.422	0.217
3/9/2020	0.148			0.0385 (J)		
3/10/2020		<0.1015				
10/13/2020		<0.1015			0.492	0.271
10/19/2020				<0.1015		
10/21/2020	0.16					
10/27/2020			0.0966 (J)			
4/21/2021	0.178		0.115			
5/3/2021				<0.1015		
5/5/2021		<0.1015			0.451	0.281
9/7/2021		<0.1015			0.499	0.276
9/13/2021	0.144		0.122			
9/15/2021				<0.1015		
3/8/2022		<0.1015				
3/9/2022	0.107					
3/16/2022			0.132		0.428	0.276
3/17/2022				<0.1015		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.496					
7/26/2016			0.873	0.835		
9/27/2016	0.514					
9/28/2016			0.857	0.807		
11/1/2016	0.571			0.838		
11/2/2016			0.909			
1/9/2017	0.572			0.848		
1/10/2017			0.915			
2/13/2017	0.565			0.869		
2/14/2017			0.932			
4/3/2017			0.932	0.881		
4/4/2017	0.536					
5/16/2017	0.482			0.81		
5/17/2017			0.953			
6/12/2017	0.478		0.854	0.832		
9/18/2017			0.921	0.864		
9/20/2017	0.506					
5/9/2018	0.433		0.851	0.878		
10/8/2018	0.503		0.833	0.905		
3/5/2019		0.357			0.753	
4/23/2019			0.849	0.862		
4/29/2019	0.444					
8/27/2019	0.495	0.51				
8/28/2019			0.852	0.906	0.379	
3/2/2020			0.851			
3/3/2020				0.895	0.431	
3/4/2020	0.431	0.303				
10/14/2020	0.46	0.483				
10/19/2020					0.437	
10/20/2020				0.947		0.745
10/21/2020			0.847			
4/26/2021	0.412	0.382				
4/27/2021						0.758
4/28/2021				0.923	0.472	
5/3/2021			0.864			
9/1/2021	0.46	0.452		0.918		0.768
9/8/2021			0.843		0.561	
3/8/2022						0.759
3/14/2022			0.864			
3/15/2022	0.423	0.642				
3/16/2022				0.887	0.499	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.434
9/28/2016				0.454
11/2/2016				0.46
1/12/2017				0.471
2/13/2017				0.473
4/3/2017				0.424
5/17/2017				0.462
6/12/2017				0.418
9/18/2017				0.428
5/9/2018				0.406
10/8/2018				0.42
4/23/2019				0.372
8/29/2019				0.319
3/2/2020				0.328
10/15/2020		<0.1015	0.11	
10/20/2020	0.726			
10/21/2020				0.328
4/27/2021	0.708	<0.1015	0.138	
5/3/2021				0.271
9/1/2021	0.72	<0.1015	0.144	
9/8/2021				0.271
3/8/2022	0.711	<0.1015	0.117	
3/14/2022				0.245

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	<0.0002	<0.0002
8/2/2016	0.001					
8/3/2016			0.001			
9/20/2016	0.001					
9/21/2016			0.001			
9/26/2016				<0.0002		
9/27/2016					<0.0002	<0.0002
10/25/2016	0.001		0.001			
10/31/2016					<0.0002	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	0.001		0.001			
1/11/2017				<0.0002	<0.0002	
1/12/2017						<0.0002
2/6/2017			0.001			
2/8/2017	0.001					
2/13/2017				<0.0002		<0.0002
2/14/2017					<0.0002	
3/28/2017			0.001			
3/29/2017	0.001					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					<0.0002	
4/24/2017			0.001			
4/26/2017	0.001					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					<0.0002	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				0.000372 (J)		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		<0.0002				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	<0.0002			
4/20/2021				<0.0002		
4/21/2021						<0.0002
5/3/2021					<0.0002	
8/2/2021		<0.0002				
8/10/2021			<0.0002			
9/8/2021				<0.0002		
9/14/2021						<0.0002
9/15/2021					<0.0002	
2/14/2022		<0.0002				
2/16/2022			<0.0002			
3/15/2022				<0.0002		
3/16/2022						<0.0002
3/17/2022					9E-05 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.000222 (J)
7/20/2016	<0.0002					
9/26/2016					<0.0002	0.000208 (J)
9/27/2016	<0.0002					
10/31/2016					<0.0002	<0.0002
11/1/2016	<0.0002					
1/9/2017					<0.0002	<0.0002
1/11/2017	<0.0002					
2/14/2017					<0.0002	<0.0002
2/15/2017	<0.0002					
4/3/2017						<0.0002
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	<0.0002					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	<0.0002
10/19/2020	<0.0002					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		<0.0002	<0.0002	<0.0002		<0.0002
4/26/2021					<0.0002	
5/5/2021	9.27E-05 (J)					
9/1/2021					<0.0002	<0.0002
9/7/2021	0.00012 (J)	<0.0002	<0.0002			
9/13/2021				<0.0002		
3/8/2022						<0.0002
3/9/2022		<0.0002	0.0001 (J)	<0.0002	<0.0002	
3/17/2022	0.00016 (J)					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				0.000219 (J)		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				<0.0002		
4/4/2017				<0.0002		
5/16/2017				<0.0002		
6/14/2017				<0.0002		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	<0.0002		<0.0002		
9/3/2019					<0.0002	<0.0002
3/3/2020				<0.0002		
3/9/2020			<0.0002			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				<0.0002		
4/20/2021			<0.0002			
4/26/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021						<0.0002
5/5/2021	<0.0002	<0.0002				
9/7/2021	<0.0002					
9/8/2021					<0.0002	<0.0002
9/13/2021			<0.0002			
9/14/2021		<0.0002		<0.0002		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		<0.0002	<0.0002
3/16/2022				<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				<0.0002
4/28/2021	<0.0002					
5/5/2021					<0.0002	
6/16/2021		<0.0002	<0.0002	<0.0002		<0.0002
9/14/2021	<0.0002	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	<0.0002
3/15/2022					<0.0002	
3/16/2022			<0.0002	<0.0002		<0.0002
3/17/2022	<0.0002	<0.0002				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0002
3/9/2020		<0.0002				
3/10/2020			<0.0002		<0.0002	
10/14/2020						<0.0002
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		<0.0002				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021	<0.0002					<0.0002
9/8/2021						<0.0002
9/13/2021		<0.0002	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					<0.0002	
3/14/2022	<0.0002	<0.0002				<0.0002
3/16/2022			<0.0002	<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0002	<0.0002
9/26/2016					<0.0002	<0.0002
10/31/2016					<0.0002	<0.0002
1/9/2017					<0.0002	<0.0002
2/13/2017					<0.0002	<0.0002
4/3/2017					<0.0002	<0.0002
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
1/29/2018					<0.0002	<0.0002
5/10/2018					<0.0002	<0.0002
10/9/2018					<0.0002	<0.0002
4/22/2019						<0.0002
4/29/2019					<0.0002	
8/27/2019					<0.0002	<0.0002
3/3/2020					<0.0002	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			<0.0002	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		<0.0002			
5/3/2021				<0.0002		
5/5/2021		<0.0002			<0.0002	<0.0002
9/7/2021		<0.0002			<0.0002	<0.0002
9/13/2021	<0.0002		<0.0002			
9/15/2021				<0.0002		
3/8/2022		<0.0002				
3/9/2022	<0.0002					
3/16/2022			<0.0002		<0.0002	<0.0002
3/17/2022				<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.000302 (J)					
7/26/2016			<0.0002	<0.0002		
9/27/2016	0.00021 (J)					
9/28/2016			<0.0002	<0.0002		
11/1/2016	0.000239 (J)			<0.0002		
11/2/2016			<0.0002			
1/9/2017	0.000248 (J)			<0.0002		
1/10/2017			<0.0002			
2/13/2017	0.00031 (J)			<0.0002		
2/14/2017			<0.0002			
4/3/2017			<0.0002	<0.0002		
4/4/2017	0.000241 (J)					
5/16/2017	0.000266 (J)			<0.0002		
5/17/2017			<0.0002			
6/12/2017	0.000272 (J)		<0.0002	<0.0002		
1/29/2018	<0.0002					
2/1/2018			<0.0002	<0.0002		
5/9/2018	<0.0002		<0.0002	<0.0002		
10/8/2018	<0.0002		<0.0002	<0.0002		
3/5/2019		<0.0002			<0.0002	
4/23/2019			<0.0002	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	<0.0002				
8/28/2019			<0.0002	<0.0002	<0.0002	
3/2/2020			<0.0002			
3/3/2020				<0.0002	<0.0002	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					<0.0002	
10/20/2020				<0.0002		<0.0002
10/21/2020			<0.0002			
4/26/2021	7.3E-05 (J)	<0.0002				
4/27/2021						<0.0002
4/28/2021				<0.0002	<0.0002	
5/3/2021			<0.0002			
9/1/2021	8E-05 (J)	<0.0002		<0.0002		<0.0002
9/8/2021			<0.0002		<0.0002	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	<0.0002	<0.0002				
3/16/2022				<0.0002	<0.0002	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	<0.0002	<0.0002	<0.0002	
5/3/2021				<0.0002
9/1/2021	<0.0002	<0.0002	<0.0002	
9/8/2021				<0.0002
3/8/2022	<0.0002	<0.0002	<0.0002	
3/14/2022				<0.0002

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				153	132	164
8/2/2016	47.2					
8/3/2016			6.85			
9/20/2016	46.3					
9/21/2016			11.7			
9/26/2016				122		
9/27/2016					127	164
10/25/2016	46.6		10.8			
10/31/2016					122	
11/1/2016						158
11/2/2016				114		
12/13/2016	43.1		5.86			
1/11/2017				112	124	
1/12/2017						163
2/6/2017			9.76			
2/8/2017	47.5					
2/13/2017				132		166
2/14/2017					125	
3/28/2017			5.28			
3/29/2017	46.8					
4/3/2017				168		
4/4/2017						166
4/6/2017					125	
4/24/2017			6.89			
4/26/2017	48.1					
5/15/2017				104		
5/16/2017						160
5/17/2017					124	
6/7/2017	44.4		3.58			
6/13/2017					129	
6/14/2017				122		166
8/21/2017			3.38			
8/22/2017	42.9					
9/19/2017				98.6		165
9/21/2017					133	
3/27/2018				105		166
3/28/2018					143	
5/8/2018						132
5/9/2018				141		
5/10/2018					132	
5/15/2018	44.3		4.25			
10/8/2018					164	
10/9/2018				94.1		121
10/16/2018			3.21			
10/17/2018	41.8					
2/20/2019		30.6				
4/16/2019	38.6		4.43			
4/24/2019					201	
5/1/2019				47.9		136
8/27/2019				165		
8/28/2019						138
8/29/2019					178	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/24/2019		29.7	7.24			
3/3/2020						179
3/9/2020				126	222	
3/18/2020			4.51			
3/25/2020		31.1				
9/21/2020			5.19			
9/23/2020		29.3				
10/19/2020				32.6	149	
10/20/2020						151
2/2/2021		31.8	4.35			
4/20/2021				36.2		
4/21/2021						148
5/3/2021					165	
8/2/2021		33				
8/10/2021			4.47			
9/8/2021				78.8		
9/14/2021						147
9/15/2021					152	
2/14/2022		30.1				
2/16/2022			4.42			
3/15/2022				98.1		
3/16/2022						173
3/17/2022					76.4	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					37	185
7/20/2016	178					
9/26/2016					37.5	189
9/27/2016	165					
10/31/2016					38.4	163
11/1/2016	160					
1/9/2017					37.8	214
1/11/2017	170					
2/14/2017					39.2	237
2/15/2017	173					
4/3/2017						159
4/4/2017	167				37.5	
5/15/2017	169					
5/16/2017					40.4	154
6/12/2017					38.4	146
6/14/2017	177					
9/19/2017					37.8	136
9/21/2017	171					
3/28/2018	177				37.7	136
5/7/2018					38.4	129
5/8/2018	173					
10/8/2018	174					
10/9/2018					38.2	211
4/24/2019					39	139
8/28/2019	152				53.8	99.5
3/3/2020						66.8
3/4/2020					39.3	
3/10/2020	138					
10/13/2020					41.4	96.9
10/19/2020	115					
10/20/2020		46.7	35.9	36.4		
4/21/2021		63.9	98.6	35.7		99.3
4/26/2021					48.3 (RA)	
5/5/2021	107 (RA)					
9/1/2021					47.8	130
9/7/2021	128	64.9	105			
9/13/2021				38		
3/8/2022						154
3/9/2022		73	96.8	36.6	39.1	
3/17/2022	102					

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				209		
9/28/2016				240		
11/1/2016				213		
1/11/2017				218		
2/14/2017				244		
4/4/2017				234		
5/16/2017				241		
6/14/2017				241		
9/20/2017				235		
3/27/2018				250		
5/9/2018				246		
10/9/2018				272		
3/6/2019	47	4.86			266	179
5/1/2019				272		
8/27/2019	48.3	16		251		
9/3/2019					240	161
3/3/2020				278		
3/9/2020			5.28			
3/10/2020	50.6	2.15			226	157
10/13/2020	44.6	17.7				
10/14/2020			8			
10/19/2020					201	145
10/21/2020				212		
4/20/2021			10.1			
4/26/2021				252		
4/28/2021					191	
5/3/2021						133
5/5/2021	43.7	12.5				
9/7/2021	43.2					
9/8/2021					207	130
9/13/2021			6			
9/14/2021		15.1		226		
3/8/2022	41.7	3.72				
3/9/2022			8.95		191	115
3/16/2022				239		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	60.1					
8/28/2019	63.5					
3/9/2020	52.4				128	
10/13/2020	51.7					
10/14/2020				46.6	123	118
10/20/2020			8.61			
10/26/2020		49.7				
4/20/2021			3.66	79		
4/27/2021		58.1				125
4/28/2021	55.5					
5/5/2021					134	
6/16/2021		64.5	3.4	97.6		138
9/14/2021	56.7	64.2				
9/15/2021			2.74	97.9	128	129
3/15/2022					117	
3/16/2022			2.66	97.5		128
3/17/2022	54.6	71.2				

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						214
3/9/2020		56.9				
3/10/2020			207		51.1	
10/14/2020						244
10/15/2020					49.5	
10/19/2020		63.6				
10/20/2020			228			
10/26/2020	47.2					
10/27/2020				130		
4/20/2021		49.8				
4/21/2021			229			
4/27/2021				131		
4/28/2021					58.5	
5/3/2021	48.8					248
9/8/2021						258
9/13/2021		58.3	223	130		
9/14/2021	47.2				58.7	
3/9/2022					53.6	
3/14/2022	44.5	50.6				225
3/16/2022			198	129		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					296	5.63
9/26/2016					269	4.28
10/31/2016					266	4.04
1/9/2017					282	4.15
2/13/2017					268	4.38
4/3/2017					282	4.45
5/16/2017					234	4.23
6/12/2017					232	4.14
9/20/2017					211	3.88
3/27/2018					191	3.4
5/10/2018					219	3.79
10/9/2018					242	3.78
4/22/2019						16.8
4/29/2019					186	
8/27/2019					189	9.68
3/3/2020					170	9.94
3/9/2020	21.1			41.7		
3/10/2020		57.5				
10/13/2020		64.9			162	6.81
10/19/2020				38.9 (RA)		
10/21/2020	24.6					
10/27/2020			10.9			
4/21/2021	28.1		23.8			
5/3/2021				40.1		
5/5/2021		61.5			153	7.04
9/7/2021		63.3			158	6.69
9/13/2021	20.2		31.2			
9/15/2021				39.6		
3/8/2022		61.6				
3/9/2022	12.9					
3/16/2022			32.6		116	5.38
3/17/2022				38.2		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	333					
7/26/2016			315	135		
9/27/2016	320					
9/28/2016			324	141		
11/1/2016	305			137		
11/2/2016			305			
1/9/2017	329			140		
1/10/2017			319			
2/13/2017	291			141		
2/14/2017			341			
4/3/2017			329	141		
4/4/2017	287					
5/16/2017	279			145		
5/17/2017			296			
6/12/2017	258		263	144		
9/18/2017			292	144		
9/20/2017	249					
3/27/2018	226		267	154		
5/9/2018	212		265	150		
10/8/2018	245		290	150		
3/5/2019		229			181	
4/23/2019			330	167		
4/29/2019	271					
8/27/2019	252	252				
8/28/2019			279	148	89.2	
3/2/2020			267			
3/3/2020				155	103	
3/4/2020	210	146				
10/14/2020	194	193				
10/19/2020					96.4	
10/20/2020				148		121
10/21/2020			242			
4/26/2021	193	178				
4/27/2021						125
4/28/2021				172	97.3	
5/3/2021			249			
9/1/2021	213	205		160		126
9/8/2021			239		110	
3/8/2022						124
3/14/2022			228			
3/15/2022	159	226				
3/16/2022				160	99.9	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				52.8
9/28/2016				246.4
11/2/2016				61.3
1/12/2017				47.7
2/13/2017				54
4/3/2017				28.7
5/17/2017				26.7
6/12/2017				26.3
9/18/2017				20.2
3/27/2018				13.9
5/9/2018				13.8
10/8/2018				11.1
4/23/2019				11.9
8/29/2019				14.2
3/2/2020				10.3
10/15/2020		98.7	99.8	
10/20/2020	92.8			
10/21/2020				7.36
4/27/2021	89.7	97.8	96.5	
5/3/2021				9.36
9/1/2021	92.1	95.5	96.8	
9/8/2021				7.63
3/8/2022	91.2	86.5	99.1	
3/14/2022				6.95

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				14.1	6.41	8.3
8/2/2016	2.91					
8/3/2016			3.21			
9/20/2016	2.94					
9/21/2016			2.95			
9/26/2016				13.3		
9/27/2016					6.3	7.94
10/25/2016	2.94		3.03			
10/31/2016					6.36	
11/1/2016						7.32
11/2/2016				12.1		
12/13/2016	2.93		3.21			
1/11/2017				11.6	6.65	
1/12/2017						6.29
2/6/2017			3			
2/8/2017	2.85					
2/13/2017				14		9.1
2/14/2017					9.2	
3/28/2017			3.3 (D)			
3/29/2017	3.4 (D)					
4/3/2017				11		
4/4/2017						7
4/6/2017					8	
4/24/2017			3.8 (D)			
4/26/2017	3.7 (D)					
5/15/2017				13		
5/16/2017						7.1
5/17/2017					8.1	
6/7/2017	3.3		3.5			
6/13/2017					8.1	
6/14/2017				13		7.9
8/21/2017			3.6			
8/22/2017	3.4					
9/19/2017				13		6.8
9/21/2017					7.7	
3/27/2018				13		5.7
3/28/2018					7	
5/8/2018						7.3
5/9/2018				11		
5/10/2018					7.4	
5/15/2018	3.2		3.3			
10/8/2018					7.4	
10/9/2018				12		6.5
10/16/2018			3.3			
10/17/2018	2.3					
2/20/2019		3.56				
4/16/2019	3.23		3.69			
4/24/2019					7.66	
5/1/2019				15		6.46
8/27/2019				8.75		
8/28/2019						6.4
8/29/2019					6.65	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/24/2019		3.69	3.21			
3/3/2020						6.2
3/9/2020				19.6	7.47	
3/18/2020			4.35			
3/25/2020		3.72				
9/21/2020			3.22			
9/23/2020		3.74				
10/19/2020				16	6.03	
10/20/2020						6.33
2/2/2021		3.49	3.85			
4/20/2021				12.9		
4/21/2021						5.99
5/3/2021					6.38	
8/2/2021		3.12				
8/10/2021			4.04			
9/8/2021				10.8		
9/14/2021						6.33
9/15/2021					6.39	
2/14/2022		3.26				
2/16/2022			4.42			
3/15/2022				10.4		
3/16/2022						7.08
3/17/2022					4.75	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					16.9	24.9
7/20/2016	8.05					
9/26/2016					17.1	29.2
9/27/2016	8.37					
10/31/2016					17.3	25.9
11/1/2016	8.62					
1/9/2017					17.2	31.7
1/11/2017	8.33					
2/14/2017					20	43
2/15/2017	9.9					
4/3/2017						25
4/4/2017	9.5				19	
5/15/2017	8.1					
5/16/2017					20	21
6/12/2017					21	23
6/14/2017	8					
9/19/2017					19	19
9/21/2017	7.7					
3/28/2018	6.5				19	16
5/7/2018					20	16
5/8/2018	6.8					
10/8/2018	6.9					
10/9/2018					20	24
4/24/2019					18.3	11.9
8/28/2019	7.27				19.3	10.8
3/3/2020						5.33
3/4/2020					18.5	
3/10/2020	7.52					
10/13/2020					17.5	10
10/19/2020	7.33					
10/20/2020		13.8	10.6	7.55		
4/21/2021		40.5	5.3	7.77		10.3
4/26/2021					17.9	
5/5/2021	8.01					
9/1/2021					17.5	6.87
9/7/2021	8.14	40.2	4.94			
9/13/2021				7.9		
3/8/2022						7.81
3/9/2022		45.8	4.71	7.96	17.6	
3/17/2022	8.05					

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				5.13		
9/28/2016				4		
11/1/2016				4.99		
1/11/2017				6.72		
2/14/2017				7.4		
4/4/2017				8.3		
5/16/2017				6.6		
6/14/2017				6		
9/20/2017				8.3		
3/27/2018				8.7		
5/9/2018				8.7		
10/9/2018				8		
3/6/2019	6.27	8.61			44.5	38.1
5/1/2019				5.04		
8/27/2019	6.42	58.9		7.95		
9/3/2019					43.8	36.8
3/3/2020				8.59		
3/9/2020			26.3			
3/10/2020	4.72	5.53			44.2	38.9
10/13/2020	6.09	22.7				
10/14/2020			120			
10/19/2020					38.6	35.4
10/21/2020				9.47		
4/20/2021			250			
4/26/2021				9.31		
4/28/2021					34	
5/3/2021						34.4
5/5/2021	9.16	14.9				
9/7/2021	6.45					
9/8/2021					33.4	35.4
9/13/2021			138			
9/14/2021		14.1		5.88		
3/8/2022	6.06	5.42				
3/9/2022			165		27.6	33.8
3/16/2022				6.88		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	9.18					
8/28/2019	9.75					
3/9/2020	14.6				2430	
10/13/2020	14.4					
10/14/2020				163	2440	2510
10/20/2020			247			
10/26/2020		2140				
4/20/2021			79.8	91.2		
4/27/2021		2190				2510
4/28/2021	14.4					
5/5/2021					2670	
6/16/2021		2390	85.8	128		2740
9/14/2021	6.73	2650				
9/15/2021			62.1	112	2940	2640
3/15/2022					2450	
3/16/2022			47.3	127		2520
3/17/2022	11.1	2660				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						33.9
3/9/2020		5.26				
3/10/2020			117		5.73	
10/14/2020						38.7
10/15/2020					4.47	
10/19/2020		5.22				
10/20/2020			149			
10/26/2020	14.1					
10/27/2020				12.5		
4/20/2021		5.58				
4/21/2021			131			
4/27/2021				11.5		
4/28/2021					7.94	
5/3/2021	16					33.4
9/8/2021						30.3
9/13/2021		6.4	81.7	13.1		
9/14/2021	15.6				7.41	
3/9/2022					8.5	
3/14/2022	15.5	5.91				24.3
3/16/2022			99.5	14.1		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					52.7	25
9/26/2016					50.6	23.6
10/31/2016					52.6	24.4
1/9/2017					51.4	24.3
2/13/2017					56	28
4/3/2017					55	31
5/16/2017					55	31
6/12/2017					57	32
9/20/2017					43	30
3/27/2018					38	33
5/10/2018					37	34
10/9/2018					41	32
4/22/2019						242
4/29/2019					40.7	
8/27/2019					34.7	145
3/3/2020					29.1	177
3/9/2020	159			10.7		
3/10/2020		2.26				
10/13/2020		1.91			25.9	96.3
10/19/2020				10.3		
10/21/2020	199					
10/27/2020			66.6			
4/21/2021	273		274			
5/3/2021				10.7		
5/5/2021		2.57			21	76.5
9/7/2021		2.13			21.2	78.6
9/13/2021	216		406			
9/15/2021				10.6		
3/8/2022		2.2				
3/9/2022	161					
3/16/2022			471		15	79.4
3/17/2022				10.9		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	40.8					
7/26/2016			39.1	24.8		
9/27/2016	47.1					
9/28/2016			40.9	24.9		
11/1/2016	49.7			26		
11/2/2016			44.1			
1/9/2017	48.8			25.1		
1/10/2017			45.2			
2/13/2017	46			28		
2/14/2017			44			
4/3/2017			48	29		
4/4/2017	50					
5/16/2017	50			30		
5/17/2017			53			
6/12/2017	52		53	31		
9/18/2017			45	29		
9/20/2017	45					
3/27/2018	40		45	32		
5/9/2018	39		45	32		
10/8/2018	41		44	33		
3/5/2019		26.7			27.8	
4/23/2019			43.3	33		
4/29/2019	42.4					
8/27/2019	42.3	44.5				
8/28/2019			47.1	32.5	18.9	
3/2/2020			42.1			
3/3/2020				35.3	23.6	
3/4/2020	40.1	24.3				
10/14/2020	30.8	35.2				
10/19/2020					25	
10/20/2020				34		43.2
10/21/2020			35.8			
4/26/2021	24.8	23.6				
4/27/2021						51
4/28/2021				36.7	24.3	
5/3/2021			31.1			
9/1/2021	24.6	24.9		34		54.7
9/8/2021			28.7		34.3	
3/8/2022						54.3
3/14/2022			26.1			
3/15/2022	19	23.7				
3/16/2022				33.2	27.7	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				30.5
9/28/2016				31.1
11/2/2016				30.2
1/12/2017				29.8
2/13/2017				33
4/3/2017				32
5/17/2017				37
6/12/2017				34
9/18/2017				36
3/27/2018				33
5/9/2018				31
10/8/2018				32
4/23/2019				24.9
8/29/2019				28.5
3/2/2020				29.5
10/15/2020		6.21	12.5	
10/20/2020	22.9			
10/21/2020				23.9
4/27/2021	23.1	6.72	9.96	
5/3/2021				17.9
9/1/2021	23.4	6.69	10.9	
9/8/2021				36.7
3/8/2022	24.3	7.08	8.44	
3/14/2022				30.7

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.00711 (J)	0.0112	<0.00102
8/2/2016	0.01					
8/3/2016			0.01			
9/20/2016	0.01					
9/21/2016			0.00266 (J)			
9/26/2016				0.0166		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.01		0.01			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				0.00481 (J)		
12/13/2016	0.01		0.01			
1/11/2017				0.00431 (J)	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.01			
2/8/2017	0.01					
2/13/2017				0.0061 (J)		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.00322 (J)			
3/29/2017	0.01					
4/3/2017				0.00215 (J)		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.01			
4/26/2017	0.01					
5/15/2017				0.0123		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		0.00227 (J)			
6/13/2017					<0.00102	
6/14/2017				0.00558 (J)		<0.00102
1/31/2018					<0.00102	
2/1/2018				0.00287 (J)		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				0.00248 (J)		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		<0.00102				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				0.00336 (J)		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		0.00405 (J)	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0105	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				0.00527 (J)	<0.00102	
10/20/2020						<0.00102
2/2/2021		0.000313 (J)	0.000389 (J)			
4/20/2021				0.00235		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		0.00032 (J)				
8/10/2021			0.00058 (J)			
9/8/2021				0.00143		
9/14/2021						0.00037 (J)
9/15/2021					0.00047 (J)	
2/14/2022		0.00021 (J)				
2/16/2022			0.0004 (J)			
3/15/2022				0.00199		
3/16/2022						0.00027 (J)
3/17/2022					0.00139	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	<0.00102					
9/26/2016					<0.00102	<0.00102
9/27/2016	<0.00102					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	<0.00102
1/11/2017	<0.00102					
2/14/2017					<0.00102	<0.00102
2/15/2017	<0.00102					
4/3/2017						<0.00102
4/4/2017	<0.00102				<0.00102	
5/15/2017	<0.00102					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	<0.00102
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	<0.00102
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						<0.00102
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	<0.00102
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		0.000207 (J)	0.000239 (J)	0.000239 (J)		<0.00102
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					0.00033 (J)	0.00067 (J)
9/7/2021	0.00084 (J)	0.00031 (J)	0.00034 (J)			
9/13/2021				0.00044 (J)		
3/8/2022						<0.00102
3/9/2022		<0.00102	0.00068 (J)	<0.00102	0.00028 (J)	
3/17/2022	0.00048 (J)					

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			<0.00102			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				0.00021 (J)		
4/28/2021					0.000229 (J)	
5/3/2021						<0.00102
5/5/2021	0.00119	0.0003 (J)				
9/7/2021	0.00029 (J)					
9/8/2021					0.00024 (J)	0.00025 (J)
9/13/2021			0.00029 (J)			
9/14/2021		0.00033 (J)		0.00051 (J)		
3/8/2022	<0.00102	0.00023 (J)				
3/9/2022			<0.00102		0.00021 (J)	0.00022 (J)
3/16/2022				<0.00102		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		0.000308 (J)				<0.00102
4/28/2021	0.000708 (J)					
5/5/2021					0.0011	
6/16/2021		0.00068 (J)	0.00022 (J)	0.00028 (J)		0.00065 (J)
9/14/2021	0.00063 (J)	0.00075 (J)				
9/15/2021			0.00027 (J)	0.00021 (J)	0.00052 (J)	0.0004 (J)
3/15/2022					0.00039 (J)	
3/16/2022			0.0003 (J)	0.00023 (J)		0.0003 (J)
3/17/2022	0.00024 (J)	0.00066 (J)				

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			<0.00102		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					0.000309 (J)	
5/3/2021	0.000203 (J)					0.000276 (J)
9/8/2021						0.00025 (J)
9/13/2021		0.00027 (J)	0.00032 (J)	0.00033 (J)		
9/14/2021	0.00039 (J)				0.00037 (J)	
3/9/2022					0.00024 (J)	
3/14/2022	0.00036 (J)	<0.00102				<0.00102
3/16/2022			0.00021 (J)	0.00021 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.00102	<0.00102
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						<0.00102
4/29/2019					<0.00102	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	<0.00102			<0.00102		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				<0.00102		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				0.000234 (J)		
5/5/2021		<0.00102			<0.00102	0.000646 (J)
9/7/2021		0.00033 (J)			0.00027 (J)	0.00042 (J)
9/13/2021	0.00032 (J)		0.00041 (J)			
9/15/2021				0.00025 (J)		
3/8/2022		0.00023 (J)				
3/9/2022	0.00021 (J)					
3/16/2022			<0.00102		0.00033 (J)	0.00034 (J)
3/17/2022				0.0002 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	<0.00102					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	<0.00102			<0.00102		
1/10/2017			<0.00102			
2/13/2017	<0.00102			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	<0.00102					
5/16/2017	<0.00102			<0.00102		
5/17/2017			<0.00102			
6/12/2017	<0.00102		<0.00102	<0.00102		
1/29/2018	<0.00102					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		<0.00102			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	0.00361 (J)	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	<0.00102	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	0.00026 (J)	
5/3/2021			<0.00102			
9/1/2021	0.00029 (J)	0.00027 (J)		0.00025 (J)		0.0003 (J)
9/8/2021			0.00027 (J)		0.00021 (J)	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	0.00032 (J)				
3/16/2022				0.00023 (J)	0.00022 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				<0.00102
2/13/2017				<0.00102
4/3/2017				<0.00102
5/17/2017				<0.00102
6/12/2017				<0.00102
2/1/2018				<0.00102
5/9/2018				<0.00102
10/8/2018				<0.00102
4/23/2019				<0.00102
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	0.000219 (J)	0.000284 (J)	0.000204 (J)	
5/3/2021				<0.00102
9/1/2021	0.00025 (J)	0.0003 (J)	0.00031 (J)	
9/8/2021				0.00021 (J)
3/8/2022	0.00023 (J)	0.00024 (J)	0.0002 (J)	
3/14/2022				0.00024 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	0.00273 (J)	<0.0002
8/2/2016	<0.0002					
8/3/2016			0.0026 (J)			
9/20/2016	<0.0002					
9/21/2016			0.00362 (J)			
9/26/2016				<0.0002		
9/27/2016					0.00263 (J)	<0.0002
10/25/2016	<0.0002		0.00305 (J)			
10/31/2016					0.00289 (J)	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	<0.0002		<0.0002			
1/11/2017				<0.0002	0.00244 (J)	
1/12/2017						0.00316 (J)
2/6/2017			0.00308 (J)			
2/8/2017	<0.0002					
2/13/2017				<0.0002		0.00227 (J)
2/14/2017					0.00209 (J)	
3/28/2017			<0.0002			
3/29/2017	<0.0002					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					0.00226 (J)	
4/24/2017			<0.0002			
4/26/2017	<0.0002					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					0.0021 (J)	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				<0.0002		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		<0.0002				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	0.00234 (J)			
3/3/2020						<0.0002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	0.000384			
4/20/2021				0.000113 (J)		
4/21/2021						<0.0002
5/3/2021					0.0003	
8/2/2021		<0.0002				
8/10/2021			0.00059			
9/8/2021				8E-05 (J)		
9/14/2021						<0.0002
9/15/2021					0.0003	
2/14/2022		<0.0002				
2/16/2022			0.00055			
3/15/2022				0.00038		
3/16/2022						<0.0002
3/17/2022					0.00091	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.0507
7/20/2016	<0.0002					
9/26/2016					<0.0002	0.0389
9/27/2016	<0.0002					
10/31/2016					<0.0002	0.0152
11/1/2016	<0.0002					
1/9/2017					<0.0002	0.00298 (J)
1/11/2017	<0.0002					
2/14/2017					<0.0002	0.00507 (J)
2/15/2017	<0.0002					
4/3/2017						0.00228 (J)
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	0.00418 (J)
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	0.00211 (J)					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				0.0021 (J)	0.00216 (J)
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	0.00352 (J)
10/19/2020	<0.0002					
10/20/2020		<0.0002	0.0112	<0.0002		
4/21/2021		0.00086	0.0523	6.88E-05 (J)		0.00213
4/26/2021					0.000703	
5/5/2021	0.00141					
9/1/2021					0.00066	0.00646
9/7/2021	0.00165	0.00072	0.0816			
9/13/2021				<0.0002		
3/8/2022						0.00413
3/9/2022		0.00066	0.0824	<0.0002	0.00065	
3/17/2022	0.00116					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.103		
9/28/2016				0.108		
11/1/2016				0.0813		
1/11/2017				0.0669		
2/14/2017				0.084		
4/4/2017				0.0829		
5/16/2017				0.0815		
6/14/2017				0.077		
2/1/2018				0.0499		
5/9/2018				0.0534		
10/9/2018				0.0525		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				0.0642		
8/27/2019	<0.0002	<0.0002		0.0498		
9/3/2019					<0.0002	<0.0002
3/3/2020				0.0471		
3/9/2020			<0.0002			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				0.0368		
4/20/2021			<0.0002			
4/26/2021				0.0358		
4/28/2021					0.000658	
5/3/2021						0.00089
5/5/2021	0.00342	<0.0002				
9/7/2021	<0.0002					
9/8/2021					0.00078	0.0008
9/13/2021			<0.0002			
9/14/2021		<0.0002		0.0515		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		0.00081	0.00083
3/16/2022				0.0444		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				0.000718
4/28/2021	0.000291					
5/5/2021					0.000185 (J)	
6/16/2021		<0.0002	<0.0002	<0.0002		0.00068
9/14/2021	0.00017 (J)	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	0.00042
3/15/2022					8E-05 (J)	
3/16/2022			<0.0002	<0.0002		0.00294
3/17/2022	8E-05 (J)	<0.0002				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.00965
3/9/2020		0.00226 (J)				
3/10/2020			<0.0002		<0.0002	
10/14/2020						0.0121
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		0.000397				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					0.000134 (J)	
5/3/2021	<0.0002					0.0112
9/8/2021						0.0123
9/13/2021		0.00027	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					7E-05 (J)	
3/14/2022	<0.0002	0.00025				0.0105
3/16/2022			<0.0002	<0.0002		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.00796 (J)	<0.0002
9/26/2016					0.00839 (J)	<0.0002
10/31/2016					0.00889 (J)	<0.0002
1/9/2017					0.00787 (J)	<0.0002
2/13/2017					0.00873 (J)	<0.0002
4/3/2017					0.00861 (J)	<0.0002
5/16/2017					0.00736 (J)	<0.0002
6/12/2017					0.00684 (J)	<0.0002
1/29/2018					0.00548 (J)	<0.0002
5/10/2018					0.00529 (J)	<0.0002
10/9/2018					0.00683	<0.0002
4/22/2019						<0.0002
4/29/2019					0.00555	
8/27/2019					0.00562	<0.0002
3/3/2020					0.00456 (J)	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			0.00555	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		0.000116 (J)			
5/3/2021				<0.0002		
5/5/2021		<0.0002			0.00451	<0.0002
9/7/2021		<0.0002			0.00455	<0.0002
9/13/2021	<0.0002		9E-05 (J)			
9/15/2021				<0.0002		
3/8/2022		8E-05 (J)				
3/9/2022	<0.0002					
3/16/2022			0.00014 (J)		0.00378	<0.0002
3/17/2022				<0.0002		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.0427					
7/26/2016			<0.0002	0.0648		
9/27/2016	0.0401					
9/28/2016			<0.0002	0.0673		
11/1/2016	0.0374			0.0605		
11/2/2016			<0.0002			
1/9/2017	0.0291			0.0504		
1/10/2017			<0.0002			
2/13/2017	0.0368			0.065		
2/14/2017			<0.0002			
4/3/2017			<0.0002	0.0701		
4/4/2017	0.0348					
5/16/2017	0.0379			0.0725		
5/17/2017			<0.0002			
6/12/2017	0.0376		<0.0002	0.0656		
1/29/2018	0.0171					
2/1/2018			<0.0002	0.0564		
5/9/2018	0.0128		<0.0002	0.0641		
10/8/2018	0.011		<0.0002	0.0616		
3/5/2019		0.00889			<0.0002	
4/23/2019			<0.0002	0.0471		
4/29/2019	0.0206					
8/27/2019	0.0157	0.0104				
8/28/2019			<0.0002	0.0283	<0.0002	
3/2/2020			<0.0002			
3/3/2020				0.0186	<0.0002	
3/4/2020	0.0119	0.00216 (J)				
10/14/2020	0.0117	0.00364 (J)				
10/19/2020					<0.0002	
10/20/2020				0.00675		<0.0002
10/21/2020			<0.0002			
4/26/2021	0.00667	0.00507				
4/27/2021						<0.0002
4/28/2021				0.00574	0.000466	
5/3/2021			<0.0002			
9/1/2021	0.00719	0.00741		0.00456		<0.0002
9/8/2021			<0.0002		0.00022	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	0.0039	0.013				
3/16/2022				0.00531	0.00021	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	0.000826	0.000206	0.000331	
5/3/2021				<0.0002
9/1/2021	0.00078	0.00011 (J)	0.00016 (J)	
9/8/2021				<0.0002
3/8/2022	0.00067	0.00013 (J)	0.00022	
3/14/2022				<0.0002

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016					0.233 (U)	0.604 (U)
8/2/2016	0.0177 (U)					
8/3/2016			0.299 (U)			
9/20/2016	0.725					
9/21/2016			0.835			
9/26/2016				0.499		
9/27/2016					0.82	0.65
10/25/2016	0.494 (U)		0.0629 (U)			
10/31/2016					0.37 (U)	
11/1/2016						0.458 (U)
11/2/2016				0.637 (U)		
12/13/2016	0.39 (U)		0.547			
1/11/2017				0.475 (U)	0.668	
1/12/2017						0.308 (U)
2/6/2017			0.251 (U)			
2/8/2017	0.455 (U)					
2/13/2017				0.0464 (U)		-0.0581 (U)
2/14/2017					0.36 (U)	
3/28/2017			-0.109 (U)			
3/29/2017	0.251 (U)					
4/3/2017				0.335 (U)		
4/4/2017						0.288 (U)
4/6/2017					0.519	
4/24/2017			0.293 (U)			
4/26/2017	0.0762 (U)					
5/15/2017				0.409 (U)		
5/16/2017						0.119 (U)
5/17/2017					-0.497 (U)	
6/7/2017	0.32 (U)		0.529			
6/13/2017					0.147 (U)	
6/14/2017				0.261 (U)		0.129 (U)
1/29/2018				0.693		
1/30/2018						0.31 (U)
1/31/2018					0.82	
2/19/2018			0.497			
2/20/2018	0.465					
5/8/2018						0.0757 (U)
5/9/2018				0.413 (U)		
5/10/2018					0.383 (U)	
5/15/2018	0.0571 (U)		-0.601 (U)			
10/8/2018					0.193 (U)	
10/9/2018				0.338 (U)		0.5
10/16/2018			0.2 (U)			
10/17/2018	0.482					
2/20/2019		0.398 (U)				
4/16/2019	0.506 (U)		0.733			
4/24/2019					0.601	
5/1/2019				0.312 (U)		0.295 (U)
8/27/2019				0.696		
8/28/2019						0.358 (U)
8/29/2019					0.437 (U)	
9/24/2019		0.373 (U)	0.753			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/3/2020						0.227 (U)
3/9/2020				0.726	0.906	
3/18/2020			0.465 (U)			
3/25/2020		0.0656 (U)				
9/21/2020			1.25			
9/23/2020		0.542 (U)				
10/19/2020				0.335 (U)	0.387 (U)	
10/20/2020						0.0474 (U)
2/2/2021		0.448 (U)	0.223 (U)			
4/20/2021				0.44 (U)		
4/21/2021						0.309 (U)
5/3/2021					0.821 (U)	
8/2/2021		0.738 (U)				
8/10/2021			0.77 (U)			
9/8/2021				0.396 (U)		
9/14/2021						0.279 (U)
9/15/2021					1.43 (U)	
2/14/2022		7.76				
2/16/2022			0.561 (U)			
3/15/2022				0.754 (U)		
3/16/2022						0.579 (U)
3/17/2022					0.232 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.191 (U)	0.456 (U)
7/20/2016	0.271 (U)					
9/26/2016					0.663	0.854
9/27/2016	0.858					
10/31/2016					0.608	0.268 (U)
11/1/2016	0.456 (U)					
1/9/2017					-0.0687 (U)	0.118 (U)
1/11/2017	0.624 (U)					
2/14/2017					0.459 (U)	0.264 (U)
2/15/2017	0.821					
4/3/2017						0.00348 (U)
4/4/2017	0.258 (U)				0.327 (U)	
5/15/2017	0.382 (U)					
5/16/2017					0.232 (U)	0.229 (U)
6/12/2017					0.123 (U)	0.226 (U)
6/14/2017	0.746					
1/30/2018	0.366 (U)					1.05
1/31/2018					0.516	
5/7/2018					0.615	0.444 (U)
5/8/2018	0.854 (U)					
10/8/2018	0.717					
10/9/2018					0.825	1.15
4/24/2019					0.373	0.317 (U)
8/28/2019	0.577 (U)				0.00424 (U)	0.372 (U)
3/3/2020						-0.0538 (U)
3/4/2020					0.337 (U)	
3/10/2020	1.57					
10/13/2020					0.232 (U)	0.209 (U)
10/19/2020	0.17 (U)					
10/20/2020		0.357 (U)	0.479 (U)	-0.128 (U)		
4/21/2021		0.748 (U)	1.13	0.164 (U)		0.319 (U)
4/26/2021					0.643 (U)	
5/5/2021	0.446 (U)					
9/1/2021					0.37 (U)	0.231 (U)
9/7/2021	0.521 (U)	0.822 (U)	1.24 (U)			
9/13/2021				0.387 (U)		
3/8/2022						0.455 (U)
3/9/2022		0.284 (U)	1.28	0.417 (U)	0.387 (U)	
3/17/2022	0.656 (U)					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.817		
9/28/2016				0.336 (U)		
11/1/2016				0.00962 (U)		
1/11/2017				0.844		
2/14/2017				0.444 (U)		
4/4/2017				0.379 (U)		
5/16/2017				0.37 (U)		
6/14/2017				0.875		
1/30/2018				1.11		
5/9/2018				0.301 (U)		
10/9/2018				1.04		
3/6/2019	0.732	0.229 (U)			0.995	0.23 (U)
5/1/2019				0.29 (U)		
8/27/2019	0.701	0.344 (U)		0.615		
9/3/2019					0.144 (U)	0.37 (U)
3/3/2020				0.361 (U)		
3/9/2020			0.684			
3/10/2020	1.18	0.95			0.276 (U)	0.374 (U)
10/13/2020	0.298 (U)	0.0821 (U)				
10/14/2020			0.362			
10/19/2020					0.154 (U)	0.0854 (U)
10/21/2020				0.448 (U)		
4/20/2021			0.93 (U)			
4/26/2021				0.378 (U)		
4/28/2021					0.46 (U)	
5/3/2021						0.286 (U)
5/5/2021	2.37	0.183 (U)				
9/7/2021	1.32 (U)					
9/8/2021					0.265 (U)	0.505 (U)
9/13/2021			0.231 (U)			
9/14/2021		0.686 (U)		0.96 (U)		
3/8/2022	0.896 (U)	0.528 (U)				
3/9/2022			0.425 (U)		0.408 (U)	0.327 (U)
3/16/2022				0.589 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.24 (U)					
8/28/2019	0.908					
3/9/2020	0.202 (U)				4.4	
10/13/2020	0.683					
10/14/2020				0.484	4.78	4.46
10/20/2020			0.679			
10/26/2020		2.3				
4/20/2021			0.304 (U)	0.41 (U)		
4/27/2021		1.97				1.21
4/28/2021	0.683 (U)					
5/5/2021					6.25	
6/16/2021		2.99	0.362 (U)	0.73 (U)		3.11
9/14/2021	0.833 (U)	2.3				
9/15/2021			0.716 (U)	0.662 (U)	7.07	2.48
3/15/2022					6.96	
3/16/2022			1.01 (U)	0.26 (U)		1 (U)
3/17/2022	0.7 (U)	1.17				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.636 (U)
3/9/2020		0.641				
3/10/2020			0.829		0.4 (U)	
10/14/2020						0.0343 (U)
10/15/2020					0.826	
10/19/2020		0.155 (U)				
10/20/2020			0.598			
10/26/2020	0.0991 (U)					
10/27/2020				-0.0134 (U)		
4/20/2021		0.0931 (U)				
4/21/2021			1.09			
4/27/2021				0.446 (U)		
4/28/2021					0.352 (U)	
5/3/2021	0.455 (U)					0.5 (U)
9/8/2021						0.711 (U)
9/13/2021		0.173 (U)	0.361 (U)	0.605 (U)		
9/14/2021	0.417 (U)				0.784 (U)	
3/9/2022					0.497 (U)	
3/14/2022	0.336 (U)	0.219 (U)				0.655 (U)
3/16/2022			0.539 (U)	0.701 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.251 (U)	-0.019 (U)
9/26/2016					0.638	0.488 (U)
10/31/2016					0.521 (U)	0.147 (U)
1/9/2017					0.744	0.288 (U)
2/13/2017					-0.0115 (U)	0.226 (U)
4/3/2017					0.0879 (U)	-0.154 (U)
5/16/2017					0.137 (U)	0.303 (U)
6/12/2017					0.589	0.645
1/29/2018					0.634	0.627
5/10/2018					0.147 (U)	-0.0676 (U)
10/9/2018					0.693	0.571
4/22/2019						0.678
4/29/2019					0.0878 (U)	
8/27/2019					0.491 (U)	1.17
3/3/2020					0.258 (U)	0.821
3/9/2020	0.875			0.418 (U)		
3/10/2020		0.943				
10/13/2020		0.0328 (U)			-0.209 (U)	-0.0678 (U)
10/19/2020				-0.0717 (U)		
10/21/2020	0.53					
10/27/2020			0.0202 (U)			
4/21/2021	0.745 (U)		0.74 (U)			
5/3/2021				0.651 (U)		
5/5/2021		0.466 (U)			1.06 (U)	0.195 (U)
9/7/2021		0.878 (U)			0.332 (U)	0.0456 (U)
9/13/2021	0.761 (U)		0.572 (U)			
9/15/2021				0.886 (U)		
3/8/2022		1.37				
3/9/2022	0.822 (U)					
3/16/2022			0.417 (U)		0.257 (U)	0.207 (U)
3/17/2022				0.173 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.621					
7/26/2016			0.205 (U)	0.459 (U)		
9/27/2016	0.529 (U)					
9/28/2016			0.403 (U)	0.0516 (U)		
11/1/2016	0.142 (U)			0.279 (U)		
11/2/2016			0.483 (U)			
1/9/2017	0.54 (U)			0.114 (U)		
1/10/2017			0.687			
2/13/2017	0.764			-0.0383 (U)		
2/14/2017			0.5 (U)			
4/3/2017			0.637	0.429 (U)		
4/4/2017	-0.136 (U)					
5/16/2017	0.247 (U)			0.0754 (U)		
5/17/2017			0.421 (U)			
6/12/2017	0.6		0.353 (U)	0.506		
1/29/2018	0.786					
1/31/2018			0.38 (U)	0.433 (U)		
5/9/2018	-0.00808 (U)		0.515 (U)	0.106 (U)		
10/8/2018	0.311 (U)		0.921	0.612		
3/5/2019		0.244 (U)			0.66	
4/23/2019			1.12	0.356		
4/29/2019	0.039 (U)					
8/27/2019	0.533	0.948				
8/28/2019			0.81	0.268 (U)	0.389 (U)	
3/2/2020			0.407 (U)			
3/3/2020				0.177 (U)	-0.0545 (U)	
3/4/2020	0.31 (U)	0.16 (U)				
10/14/2020	0.434 (U)	0.505				
10/19/2020					0.106 (U)	
10/20/2020				0.321 (U)		0.197 (U)
10/21/2020			-0.12 (U)			
4/26/2021	0.394 (U)	0.233 (U)				
4/27/2021						0.334 (U)
4/28/2021				0.156 (U)	0.0421 (U)	
5/3/2021			0.646 (U)			
9/1/2021	0.238 (U)	0 (U)		0.132 (U)		1.4
9/8/2021			0.745 (U)		0.891 (U)	
3/8/2022						0.263 (U)
3/14/2022			0.571 (U)			
3/15/2022	0.285 (U)	0.496 (U)				
3/16/2022				0.199 (U)	0.493 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.331 (U)
9/28/2016				0.556 (U)
11/2/2016				0.217 (U)
1/12/2017				0.432 (U)
2/13/2017				0.279 (U)
4/3/2017				0.195 (U)
5/17/2017				0.569 (U)
6/12/2017				0.48 (U)
1/31/2018				0.851
5/9/2018				0.171 (U)
10/8/2018				0.44 (U)
4/23/2019				0.267 (U)
8/29/2019				0.355 (U)
3/2/2020				0.213 (U)
10/15/2020		0.897	0.222 (U)	
10/20/2020	0.398 (U)			
10/21/2020				0.0492 (U)
4/27/2021	0.846 (U)	0.699 (U)	0.157 (U)	
5/3/2021				0.328 (U)
9/1/2021	0.627 (U)	0.667 (U)	0.272 (U)	
9/8/2021				1.16 (U)
3/8/2022	0.649 (U)	0.145 (U)	0.447 (U)	
3/14/2022				0.253 (U)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.134 (J)	0.439	0.155 (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				0.061 (J)		
9/27/2016					0.336	0.097 (J)
10/25/2016	0.058 (J)		0.025 (J)			
10/31/2016					0.26 (J)	
11/1/2016						0.038 (J)
11/2/2016				0.024 (J)		
12/13/2016	0.072 (J)		0.045 (J)			
1/11/2017				<0.125	0.21 (J)	
1/12/2017						<0.125
2/6/2017			0.1 (D)			
2/8/2017	0.16 (D)					
2/13/2017				0.13		0.13
2/14/2017					0.34	
3/28/2017			0.08 (JD)			
3/29/2017	0.14 (D)					
4/3/2017				0.15		
4/4/2017						0.14
4/6/2017					0.38	
4/24/2017			0.09 (JD)			
4/26/2017	0.16 (D)					
5/15/2017				0.14		
5/16/2017						0.14
5/17/2017					0.33	
6/7/2017	0.15		0.08 (J)			
6/13/2017					0.34	
6/14/2017				0.15		0.14
8/21/2017			0.08 (J)			
8/22/2017	0.18					
9/19/2017				0.17		0.16
9/21/2017					0.43	
1/31/2018					0.42	
2/1/2018				0.15		0.12
2/19/2018			0.08 (J)			
2/20/2018	0.17					
5/8/2018						0.13
5/9/2018				0.17		
5/10/2018					0.42	
5/15/2018	0.17		0.1			
10/8/2018					0.49	
10/9/2018				0.19		0.15
10/16/2018			0.09 (J)			
10/17/2018	0.19					
2/20/2019		0.239				
4/16/2019	0.197		0.143			
4/24/2019					0.433	
5/1/2019				0.143		0.118
8/27/2019				0.159		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
8/28/2019						0.13
8/29/2019					0.445	
9/24/2019		0.245	0.128			
3/3/2020						0.134
3/9/2020				0.179	0.517	
3/18/2020			0.108			
3/25/2020		0.243				
9/21/2020			0.125			
9/23/2020		0.278				
10/19/2020				0.16	0.608	
10/20/2020						0.126
2/2/2021		0.244	0.114			
4/20/2021				0.165		
4/21/2021						0.111
5/3/2021					0.599	
8/2/2021		0.276				
8/10/2021			0.0924 (J)			
9/8/2021				0.188		
9/14/2021						0.136
9/15/2021					0.727	
2/14/2022		0.237				
2/16/2022			0.0616 (J)			
3/15/2022				0.142		
3/16/2022						0.107 (J)
3/17/2022					1.86	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.111 (J)	0.194 (J)
7/20/2016	0.701					
9/26/2016					0.069 (J)	0.158 (J)
9/27/2016	0.597					
10/31/2016					0.018 (J)	0.068 (J)
11/1/2016	0.502					
1/9/2017					<0.125	<0.125
1/11/2017	0.472					
2/14/2017					0.1	0.14
2/15/2017	0.59					
4/3/2017						0.13
4/4/2017	0.67				0.1	
5/15/2017	0.63					
5/16/2017					0.1	0.13
6/12/2017					0.1	0.14
6/14/2017	0.63					
9/19/2017					0.12	0.16
9/21/2017	0.66					
1/30/2018	0.69					
1/31/2018					0.1	
2/1/2018						0.12
5/7/2018					0.11	0.16
5/8/2018	0.65					
10/8/2018	0.85					
10/9/2018					0.13	0.18
4/24/2019					0.133	0.225
8/28/2019	0.916				0.0974 (J)	0.29
3/3/2020						0.179
3/4/2020					0.111	
3/10/2020	0.929					
10/13/2020					0.125	0.145
10/19/2020	0.978					
10/20/2020		0.146	0.434	0.177		
4/21/2021		0.134	0.402	0.166		0.173
4/26/2021					0.117	
5/5/2021	0.958					
9/1/2021					0.118	0.14
9/7/2021	0.843	0.183	0.532			
9/13/2021				0.171		
3/8/2022						0.155
3/9/2022		0.179	0.573	0.188	0.103 (J)	
3/17/2022	1.21					

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.094 (J)		
9/28/2016				0.035 (J)		
11/1/2016				<0.125		
1/11/2017				<0.125		
2/14/2017				0.05 (J)		
4/4/2017				0.07 (J)		
5/16/2017				0.07 (J)		
6/14/2017				0.06 (J)		
9/20/2017				0.12		
2/1/2018				0.1		
5/9/2018				0.13		
10/9/2018				0.1		
3/6/2019	0.133	0.256			0.234	<0.125
5/1/2019				0.108		
8/27/2019	0.16	0.26		0.19		
9/3/2019					0.279	<0.125
3/3/2020				0.262		
3/9/2020			2.41			
3/10/2020	0.166	0.261			0.297	0.0631 (J)
10/13/2020	0.171	0.272				
10/14/2020			2.32			
10/19/2020					0.311	<0.125
10/21/2020				0.236		
4/20/2021			2.51			
4/26/2021				0.406		
4/28/2021					0.303	
5/3/2021						0.0639 (J)
5/5/2021	0.159	0.242				
9/7/2021	0.213					
9/8/2021					0.347	<0.125
9/13/2021			2.59			
9/14/2021		0.273		0.24		
3/8/2022	0.158	0.294				
3/9/2022			2.4		0.329	<0.125
3/16/2022				0.268		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.169					
8/28/2019	0.212					
3/9/2020	0.285				0.419	
10/13/2020	0.283					
10/14/2020				0.337	0.422	0.429
10/20/2020			0.311			
10/26/2020		0.142				
4/20/2021			0.246	0.158		
4/27/2021		0.205				0.363
4/28/2021	0.217					
5/5/2021					0.409	
6/16/2021		0.255	0.283	0.231		0.412
9/14/2021	0.2	0.156				
9/15/2021			0.28	0.208	0.433	0.436
3/15/2022					0.403	
3/16/2022			0.222	0.145		0.394
3/17/2022	0.127	0.116 (J)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.173
3/9/2020		0.117				
3/10/2020			0.172		0.132	
10/14/2020						0.223
10/15/2020					0.151	
10/19/2020		0.154				
10/20/2020			0.158			
10/26/2020	0.161					
10/27/2020				0.14		
4/20/2021		0.123				
4/21/2021			0.141			
4/27/2021				0.144		
4/28/2021					0.133	
5/3/2021	0.171					0.185
9/8/2021						0.204
9/13/2021		0.145	0.171	0.164		
9/14/2021	0.175				0.275	
3/9/2022					0.138	
3/14/2022	0.116 (J)	0.111 (J)				0.186
3/16/2022			0.142	<0.125		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.268 (J)	0.217 (J)
9/26/2016					0.213 (J)	0.192 (J)
10/31/2016					0.158 (J)	0.157 (J)
1/9/2017					0.109 (J)	0.115 (J)
2/13/2017					0.29	0.27
4/3/2017					0.28	0.25
5/16/2017					0.3	0.24
6/12/2017					0.29	0.26
9/20/2017					0.35	0.26
1/29/2018					0.35	0.31
5/10/2018					0.37	0.31
10/9/2018					0.39	0.33
4/22/2019						0.335
4/29/2019					0.343	
8/27/2019					0.361	0.294
3/3/2020					0.397	0.286
3/9/2020	0.361			0.173		
3/10/2020		0.16				
10/13/2020		0.16			0.362	0.311
10/19/2020				0.178		
10/21/2020	0.429					
10/27/2020			0.272			
4/21/2021	0.4		0.412			
5/3/2021				0.167		
5/5/2021		0.139			0.351	0.291
9/7/2021		0.155			0.433	0.361
9/13/2021	0.42		0.49			
9/15/2021				0.201		
3/8/2022		0.129				
3/9/2022	0.302					
3/16/2022			0.4		0.388	0.309
3/17/2022				0.132		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.252 (J)					
7/26/2016			0.296 (J)	0.108 (J)		
9/27/2016	0.209 (J)					
9/28/2016			0.224 (J)	0.054 (J)		
11/1/2016	0.163 (J)			<0.125		
11/2/2016			0.164 (J)			
1/9/2017	0.13 (J)			<0.125		
1/10/2017			0.114 (J)			
2/13/2017	0.28			0.08 (J)		
2/14/2017			0.31			
4/3/2017			0.3	0.07 (J)		
4/4/2017	0.27					
5/16/2017	0.28			0.09 (J)		
5/17/2017			0.29			
6/12/2017	0.27		0.29	0.1		
9/18/2017			0.37	0.11		
9/20/2017	0.31					
1/29/2018	0.28					
2/1/2018			0.35	0.1		
5/9/2018	0.28		0.36	0.09 (J)		
10/8/2018	0.32		0.43	0.13		
3/5/2019		0.144			0.14	
4/23/2019			0.407	0.167		
4/29/2019	0.226					
8/27/2019	0.237	0.181				
8/28/2019			0.385	0.105	0.155	
3/2/2020			0.382			
3/3/2020				0.121	0.141	
3/4/2020	0.221	0.0996 (J)				
10/14/2020	0.251	0.125				
10/19/2020					0.16	
10/20/2020				0.109		0.122
10/21/2020			0.427			
4/26/2021	0.204	0.106				
4/27/2021						0.126
4/28/2021				0.183	0.142	
5/3/2021			0.388			
9/1/2021	0.281	0.143		0.118		0.16
9/8/2021			0.433		0.178	
3/8/2022						<0.125
3/14/2022			0.405			
3/15/2022	0.154	0.244				
3/16/2022				0.155	0.145	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				1.05
9/28/2016				0.799
11/2/2016				0.627
1/12/2017				0.609
2/13/2017				0.88
4/3/2017				1.1
5/17/2017				1
6/12/2017				1.1
9/18/2017				1.1
2/1/2018				1
5/9/2018				1.1
10/8/2018				1.3
4/23/2019				1.33
8/29/2019				2.07
3/2/2020				1.9
10/15/2020		0.129	0.114	
10/20/2020	0.222			
10/21/2020				1.89
4/27/2021	0.242	0.149	0.125	
5/3/2021				2.38
9/1/2021	0.245	0.197	0.162	
9/8/2021				2.27
3/8/2022	0.223	0.11 (J)	0.125	
3/14/2022				2.28

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	<0.0002	<0.0002
8/2/2016	<0.0002					
8/3/2016			<0.0002			
9/20/2016	<0.0002					
9/21/2016			<0.0002			
9/26/2016				<0.0002		
9/27/2016					<0.0002	<0.0002
10/25/2016	<0.0002		<0.0002			
10/31/2016					<0.0002	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	<0.0002		<0.0002			
1/11/2017				<0.0002	<0.0002	
1/12/2017						<0.0002
2/6/2017			<0.0002			
2/8/2017	<0.0002					
2/13/2017				<0.0002		<0.0002
2/14/2017					<0.0002	
3/28/2017			<0.0002			
3/29/2017	<0.0002					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					<0.0002	
4/24/2017			<0.0002			
4/26/2017	<0.0002					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					<0.0002	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				<0.0002		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		0.00189 (J)				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	8.09E-05 (J)			
4/20/2021				<0.0002		
4/21/2021						<0.0002
5/3/2021					<0.0002	
8/2/2021		<0.0002				
8/10/2021			0.00015 (J)			
9/8/2021				<0.0002		
9/14/2021						<0.0002
9/15/2021					<0.0002	
2/14/2022		<0.0002				
2/16/2022			<0.0002			
3/15/2022				<0.0002		
3/16/2022						<0.0002
3/17/2022					<0.0002	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	<0.0002
7/20/2016	<0.0002					
9/26/2016					<0.0002	<0.0002
9/27/2016	<0.0002					
10/31/2016					<0.0002	<0.0002
11/1/2016	<0.0002					
1/9/2017					<0.0002	<0.0002
1/11/2017	<0.0002					
2/14/2017					<0.0002	<0.0002
2/15/2017	<0.0002					
4/3/2017						<0.0002
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	<0.0002					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	<0.0002
10/19/2020	<0.0002					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		0.000121 (J)	<0.0002	<0.0002		<0.0002
4/26/2021					<0.0002	
5/5/2021	<0.0002					
9/1/2021					<0.0002	<0.0002
9/7/2021	<0.0002	<0.0002	<0.0002			
9/13/2021				<0.0002		
3/8/2022						<0.0002
3/9/2022		<0.0002	0.00011 (J)	<0.0002	<0.0002	
3/17/2022	<0.0002					

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				<0.0002		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				<0.0002		
4/4/2017				<0.0002		
5/16/2017				<0.0002		
6/14/2017				<0.0002		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	<0.0002		<0.0002		
9/3/2019					<0.0002	<0.0002
3/3/2020				<0.0002		
3/9/2020			0.0023 (J)			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				<0.0002		
4/20/2021			<0.0002			
4/26/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021						<0.0002
5/5/2021	0.00116	<0.0002				
9/7/2021	<0.0002					
9/8/2021					<0.0002	<0.0002
9/13/2021			<0.0002			
9/14/2021		<0.0002		<0.0002		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		<0.0002	<0.0002
3/16/2022				<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				<0.0002
4/28/2021	0.000323					
5/5/2021					0.00019 (J)	
6/16/2021		7E-05 (J)	<0.0002	<0.0002		<0.0002
9/14/2021	0.0002 (J)	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	<0.0002
3/15/2022					<0.0002	
3/16/2022			<0.0002	<0.0002		<0.0002
3/17/2022	<0.0002	<0.0002				

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0002
3/9/2020		<0.0002				
3/10/2020			<0.0002		<0.0002	
10/14/2020						<0.0002
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		<0.0002				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021	0.000258					6.88E-05 (J)
9/8/2021						0.0001 (J)
9/13/2021		<0.0002	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					<0.0002	
3/14/2022	0.0001 (J)	<0.0002				<0.0002
3/16/2022			<0.0002	<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0002	<0.0002
9/26/2016					<0.0002	<0.0002
10/31/2016					<0.0002	<0.0002
1/9/2017					<0.0002	<0.0002
2/13/2017					<0.0002	<0.0002
4/3/2017					<0.0002	<0.0002
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
1/29/2018					<0.0002	<0.0002
5/10/2018					<0.0002	<0.0002
10/9/2018					<0.0002	<0.0002
4/22/2019						<0.0002
4/29/2019					<0.0002	
8/27/2019					<0.0002	<0.0002
3/3/2020					<0.0002	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			<0.0002	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		<0.0002			
5/3/2021				<0.0002		
5/5/2021		<0.0002			8.4E-05 (J)	<0.0002
9/7/2021		<0.0002			<0.0002	<0.0002
9/13/2021	<0.0002		<0.0002			
9/15/2021				<0.0002		
3/8/2022		<0.0002				
3/9/2022	<0.0002					
3/16/2022			<0.0002		<0.0002	<0.0002
3/17/2022				<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			<0.0002	<0.0002		
9/27/2016	<0.0002					
9/28/2016			<0.0002	<0.0002		
11/1/2016	<0.0002			<0.0002		
11/2/2016			<0.0002			
1/9/2017	<0.0002			<0.0002		
1/10/2017			<0.0002			
2/13/2017	<0.0002			<0.0002		
2/14/2017			<0.0002			
4/3/2017			<0.0002	<0.0002		
4/4/2017	<0.0002					
5/16/2017	<0.0002			<0.0002		
5/17/2017			<0.0002			
6/12/2017	<0.0002		<0.0002	<0.0002		
1/29/2018	<0.0002					
2/1/2018			<0.0002	<0.0002		
5/9/2018	<0.0002		<0.0002	<0.0002		
10/8/2018	<0.0002		<0.0002	<0.0002		
3/5/2019		<0.0002			<0.0002	
4/23/2019			<0.0002	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	<0.0002				
8/28/2019			<0.0002	<0.0002	<0.0002	
3/2/2020			<0.0002			
3/3/2020				<0.0002	<0.0002	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					<0.0002	
10/20/2020				<0.0002		<0.0002
10/21/2020			<0.0002			
4/26/2021	<0.0002	<0.0002				
4/27/2021						<0.0002
4/28/2021				<0.0002	<0.0002	
5/3/2021			<0.0002			
9/1/2021	<0.0002	<0.0002		<0.0002		<0.0002
9/8/2021			<0.0002		<0.0002	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	<0.0002	<0.0002				
3/16/2022				<0.0002	<0.0002	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	<0.0002	<0.0002	<0.0002	
5/3/2021				<0.0002
9/1/2021	<0.0002	<0.0002	<0.0002	
9/8/2021				<0.0002
3/8/2022	<0.0002	<0.0002	<0.0002	
3/14/2022				<0.0002

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.187	0.189	0.119
8/2/2016	0.0121 (J)					
8/3/2016			0.05			
9/20/2016	0.0116 (J)					
9/21/2016			0.05			
9/26/2016				0.134		
9/27/2016					0.171	0.108
10/25/2016	0.0114 (J)		0.05			
10/31/2016					0.181	
11/1/2016						0.116
11/2/2016				0.137		
12/13/2016	0.0116 (J)		0.05			
1/11/2017				0.137	0.172	
1/12/2017						0.12
2/6/2017			0.05			
2/8/2017	0.0118 (J)					
2/13/2017				0.187		0.149
2/14/2017					0.209	
3/28/2017			0.05			
3/29/2017	0.0118 (J)					
4/3/2017				0.225		
4/4/2017						0.154
4/6/2017					0.203	
4/24/2017			0.05			
4/26/2017	0.05					
5/15/2017				0.15		
5/16/2017						0.128
5/17/2017					0.163	
6/7/2017	<0.02		<0.02			
6/13/2017					0.155	
6/14/2017				0.165		0.118
1/31/2018					0.163	
2/1/2018				0.124		0.229
2/19/2018			<0.02			
2/20/2018	<0.02					
5/8/2018						0.246
5/9/2018				0.166		
5/10/2018					0.178	
5/15/2018	0.0101 (J)		<0.02			
10/8/2018					0.184	
10/9/2018				0.136		0.307
10/16/2018			<0.02			
10/17/2018	<0.02					
2/20/2019		0.0671				
4/16/2019	0.0101 (J)		<0.02			
4/24/2019					0.186	
5/1/2019				0.104		0.327
8/27/2019				0.264		
8/28/2019						0.318
8/29/2019					0.197	
9/24/2019		0.0809	<0.02			
3/3/2020						0.255

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.123	0.225	
3/18/2020			<0.02			
3/25/2020		0.0646				
9/21/2020			<0.02			
9/23/2020		0.0574				
10/19/2020				0.09	0.166	
10/20/2020						0.297
2/2/2021		0.0585	0.00796 (J)			
4/20/2021				0.154		
4/21/2021						0.421
5/3/2021					0.19	
8/2/2021		0.056				
8/10/2021			0.00832 (J)			
9/8/2021				0.179		
9/14/2021						0.374
9/15/2021					0.187	
2/14/2022		0.0499				
2/16/2022			0.00826 (J)			
3/15/2022				0.156		
3/16/2022						0.172
3/17/2022					0.174	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.0199 (J)	0.0816
7/20/2016	0.229					
9/26/2016					0.0206 (J)	0.0636
9/27/2016	0.198					
10/31/2016					0.021 (J)	0.0759
11/1/2016	0.204					
1/9/2017					0.0201 (J)	0.0254 (J)
1/11/2017	0.205					
2/14/2017					0.022 (J)	0.0859
2/15/2017	0.274					
4/3/2017						0.0487 (J)
4/4/2017	0.279				0.0216 (J)	
5/15/2017	0.206					
5/16/2017					0.021 (J)	0.0297 (J)
6/12/2017					0.0181 (J)	0.0429 (J)
6/14/2017	0.205					
1/30/2018	0.178					
1/31/2018					0.0169 (J)	
2/1/2018						0.026 (J)
5/7/2018					0.0187 (J)	0.0538
5/8/2018	0.199					
10/8/2018	0.19					
10/9/2018					0.019 (J)	0.0285
4/24/2019					<0.02	0.0295 (J)
8/28/2019	0.158				0.0199 (J)	0.0555
3/3/2020						0.0278
3/4/2020					0.0195 (J)	
3/10/2020	0.146					
10/13/2020					0.0195 (J)	0.132
10/19/2020	0.12					
10/20/2020		0.0343	0.0475	0.0207		
4/21/2021		0.0356	0.0237	0.0211		0.128
4/26/2021					0.0194 (J)	
5/5/2021	0.124 (R)					
9/1/2021					0.0196 (J)	0.104
9/7/2021	0.176	0.0357	0.0258			
9/13/2021				0.0212		
3/8/2022						0.0901
3/9/2022		0.031	0.0215	0.0196 (J)	0.0177 (J)	
3/17/2022	0.104					

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.163		
9/28/2016				0.197		
11/1/2016				0.172		
1/11/2017				0.19		
2/14/2017				0.292		
4/4/2017				0.292		
5/16/2017				0.25		
6/14/2017				0.237		
2/1/2018				0.222		
5/9/2018				0.237		
10/9/2018				0.25		
3/6/2019	0.0597	0.1			0.235	0.0987
5/1/2019				0.228		
8/27/2019	0.0831	0.23		0.257		
9/3/2019					0.278	0.0973
3/3/2020				0.269		
3/9/2020			0.138			
3/10/2020	0.0566	0.0875			0.277	0.094
10/13/2020	0.0845	0.215				
10/14/2020			0.173			
10/19/2020					0.245	0.0797
10/21/2020				0.217		
4/20/2021			0.183			
4/26/2021				0.268		
4/28/2021					0.267	
5/3/2021						0.0783
5/5/2021	0.116	0.167				
9/7/2021	0.0826					
9/8/2021					0.269	0.0783
9/13/2021			0.169			
9/14/2021		0.188		0.27		
3/8/2022	0.0644	0.0926				
3/9/2022			0.124		0.217	0.0594
3/16/2022				0.211		

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.0484					
8/28/2019	0.0493					
3/9/2020	0.0252				1.18	
10/13/2020	0.0379					
10/14/2020				0.172	1.2	1.17
10/20/2020			0.141			
10/26/2020		0.344				
4/20/2021			0.0728	0.0694		
4/27/2021		0.406				1.05
4/28/2021	0.045					
5/5/2021					1.13	
6/16/2021		0.342	0.0738	0.0722		0.873
9/14/2021	0.0657	0.46				
9/15/2021			0.0621	0.071	1.16	1.04
3/15/2022					0.911	
3/16/2022			0.0469	0.0626		0.815
3/17/2022	0.054	0.369				

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.145
3/9/2020		0.0593				
3/10/2020			0.0821		<0.02	
10/14/2020						0.155
10/15/2020					<0.02	
10/19/2020		0.058				
10/20/2020			0.0918			
10/26/2020	0.0427					
10/27/2020				0.135		
4/20/2021		0.0576				
4/21/2021			0.108			
4/27/2021				0.145		
4/28/2021					<0.02	
5/3/2021	0.0441					0.153
9/8/2021						0.175
9/13/2021		0.0606	0.0967	0.147		
9/14/2021	0.0441				<0.02	
3/9/2022					<0.02	
3/14/2022	0.0415	0.0531				0.132
3/16/2022			0.088	0.117		

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.128	0.186
9/26/2016					0.12	0.149
10/31/2016					0.128	0.161
1/9/2017					0.124	0.156
2/13/2017					0.167	0.244
4/3/2017					0.163	0.25
5/16/2017					0.12	0.199
6/12/2017					0.119	0.188
1/29/2018					0.11	0.164
5/10/2018					0.112	0.183
10/9/2018					0.123	0.175
4/22/2019						0.243
4/29/2019					0.104	
8/27/2019					0.115	0.246
3/3/2020					0.11	0.294
3/9/2020	0.164			0.0662		
3/10/2020		0.0306				
10/13/2020		0.0305			0.121	0.347
10/19/2020				0.0635		
10/21/2020	0.156					
10/27/2020			0.161			
4/21/2021	0.218		0.247			
5/3/2021				0.0663		
5/5/2021		0.0298			0.116	0.358
9/7/2021		0.0298			0.12	0.347
9/13/2021	0.188		0.297			
9/15/2021				0.066		
3/8/2022		0.0264				
3/9/2022	0.13					
3/16/2022			0.294		0.0914	0.271
3/17/2022				0.0588		

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.105					
7/26/2016			0.249	0.0874		
9/27/2016	0.0988					
9/28/2016			0.223	0.0812		
11/1/2016	0.104			0.0841		
11/2/2016			0.229			
1/9/2017	0.102			0.0842		
1/10/2017			0.227			
2/13/2017	0.136			0.101		
2/14/2017			0.315			
4/3/2017			0.307	0.102		
4/4/2017	0.134					
5/16/2017	0.1			0.0778		
5/17/2017			0.247			
6/12/2017	0.0992		0.237	0.0784		
1/29/2018	0.0852					
2/1/2018			0.221	0.0732		
5/9/2018	0.0926		0.238	0.079		
10/8/2018	0.0877		0.232	0.077		
3/5/2019		0.0578			0.145	
4/23/2019			0.229	0.0822		
4/29/2019	0.0729					
8/27/2019	0.0741	0.0788				
8/28/2019			0.237	0.0853	0.1	
3/2/2020			0.237			
3/3/2020				0.0877	0.104	
3/4/2020	0.0851	0.0341				
10/14/2020	0.0651	0.0601				
10/19/2020					0.0971	
10/20/2020				0.0785		0.12
10/21/2020			0.193			
4/26/2021	0.0758	0.0371				
4/27/2021						0.13
4/28/2021				0.0865	0.109	
5/3/2021			0.228			
9/1/2021	0.0716	0.0507		0.0856		0.13
9/8/2021			0.229		0.121	
3/8/2022						0.105
3/14/2022			0.189			
3/15/2022	0.0575	0.12				
3/16/2022				0.0731	0.097	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.228
9/28/2016				0.158
11/2/2016				0.179
1/12/2017				0.166
2/13/2017				0.243
4/3/2017				0.216
5/17/2017				0.177
6/12/2017				0.161
2/1/2018				0.133
5/9/2018				0.139
10/8/2018				0.137
4/23/2019				0.134
8/29/2019				0.164
3/2/2020				0.147
10/15/2020		0.0815	0.0413	
10/20/2020	0.143			
10/21/2020				0.127
4/27/2021	0.156	0.0818	0.045	
5/3/2021				0.177
9/1/2021	0.16	0.0827	0.0464	
9/8/2021				0.17
3/8/2022	0.139	0.0682	0.04	
3/14/2022				0.143

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0005	<0.0005	<0.0005
8/2/2016	0.0005					
8/3/2016			0.0005			
9/20/2016	0.0005					
9/21/2016			0.0005			
9/26/2016				<0.0005		
9/27/2016					<0.0005	<0.0005
10/25/2016	0.0005		0.0005			
10/31/2016					<0.0005	
11/1/2016						<0.0005
11/2/2016				<0.0005		
12/13/2016	0.0005		0.0005			
1/11/2017				<0.0005	<0.0005	
1/12/2017						<0.0005
2/6/2017			0.0005			
2/8/2017	0.0005					
2/13/2017				<0.0005		<0.0005
2/14/2017					<0.0005	
3/28/2017			0.0005			
3/29/2017	0.0005					
4/3/2017				<0.0005		
4/4/2017						<0.0005
4/6/2017					<0.0005	
4/24/2017			0.0005			
4/26/2017	0.0005					
5/15/2017				<0.0005		
5/16/2017						<0.0005
5/17/2017					<0.0005	
6/7/2017	<0.0005		<0.0005			
6/13/2017					<0.0005	
6/14/2017				<0.0005		<0.0005
1/31/2018					<0.0005	
2/1/2018				<0.0005		<0.0005
2/19/2018			<0.0005			
2/20/2018	<0.0005					
5/8/2018						<0.0005
5/9/2018				<0.0005		
5/10/2018					<0.0005	
5/15/2018	<0.0005		<0.0005			
10/8/2018					<0.0005	
10/9/2018				<0.0005		<0.0005
10/16/2018			<0.0005			
10/17/2018	<0.0005					
2/20/2019		<0.0005				
4/16/2019	<0.0005		<0.0005			
4/24/2019					<0.0005	
5/1/2019				<0.0005		<0.0005
8/27/2019				<0.0005		
8/28/2019						<0.0005
8/29/2019					<0.0005	
9/24/2019		<0.0005	<0.0005			
3/3/2020						<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0005	<0.0005	
3/18/2020			<0.0005			
3/25/2020		<0.0005				
9/21/2020			<0.0005			
9/23/2020		<0.0005				
10/19/2020				<0.0005	<0.0005	
10/20/2020						<0.0005
2/2/2021		<0.0005	<0.0005			
4/20/2021				<0.0005		
4/21/2021						<0.0005
5/3/2021					<0.0005	
8/2/2021		<0.0005				
8/10/2021			<0.0005			
9/8/2021				<0.0005		
9/14/2021						<0.0005
9/15/2021					<0.0005	
2/14/2022		<0.0005				
2/16/2022			<0.0005			
3/15/2022				<0.0005		
3/16/2022						<0.0005
3/17/2022					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0005	<0.0005
7/20/2016	<0.0005					
9/26/2016					<0.0005	<0.0005
9/27/2016	<0.0005					
10/31/2016					<0.0005	<0.0005
11/1/2016	<0.0005					
1/9/2017					<0.0005	<0.0005
1/11/2017	<0.0005					
2/14/2017					<0.0005	<0.0005
2/15/2017	<0.0005					
4/3/2017						<0.0005
4/4/2017	<0.0005				<0.0005	
5/15/2017	<0.0005					
5/16/2017					<0.0005	<0.0005
6/12/2017					<0.0005	<0.0005
6/14/2017	<0.0005					
1/30/2018	<0.0005					
1/31/2018					<0.0005	
2/1/2018						<0.0005
5/7/2018					<0.0005	<0.0005
5/8/2018	<0.0005					
10/8/2018	<0.0005					
10/9/2018					<0.0005	<0.0005
4/24/2019					0.000316 (J)	<0.0005
8/28/2019	<0.0005				<0.0005	<0.0005
3/3/2020						<0.0005
3/4/2020					<0.0005	
3/10/2020	<0.0005					
10/13/2020					<0.0005	<0.0005
10/19/2020	<0.0005					
10/20/2020		<0.0005	<0.0005	<0.0005		
4/21/2021		<0.0005	<0.0005	<0.0005		<0.0005
4/26/2021					<0.0005	
5/5/2021	<0.0005					
9/1/2021					<0.0005	<0.0005
9/7/2021	<0.0005	<0.0005	<0.0005			
9/13/2021				<0.0005		
3/8/2022						<0.0005
3/9/2022		<0.0005	<0.0005	<0.0005	<0.0005	
3/17/2022	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0005		
9/28/2016				<0.0005		
11/1/2016				<0.0005		
1/11/2017				<0.0005		
2/14/2017				<0.0005		
4/4/2017				<0.0005		
5/16/2017				<0.0005		
6/14/2017				<0.0005		
2/1/2018				<0.0005		
5/9/2018				<0.0005		
10/9/2018				<0.0005		
3/6/2019	<0.0005	<0.0005			<0.0005	<0.0005
5/1/2019				<0.0005		
8/27/2019	<0.0005	<0.0005		<0.0005		
9/3/2019					<0.0005	<0.0005
3/3/2020				<0.0005		
3/9/2020			<0.0005			
3/10/2020	<0.0005	<0.0005			<0.0005	<0.0005
10/13/2020	<0.0005	<0.0005				
10/14/2020			<0.0005			
10/19/2020					<0.0005	<0.0005
10/21/2020				<0.0005		
4/20/2021			<0.0005			
4/26/2021				<0.0005		
4/28/2021					<0.0005	
5/3/2021						<0.0005
5/5/2021	<0.0005	<0.0005				
9/7/2021	<0.0005					
9/8/2021					<0.0005	<0.0005
9/13/2021			<0.0005			
9/14/2021		<0.0005		<0.0005		
3/8/2022	<0.0005	<0.0005				
3/9/2022			<0.0005		<0.0005	<0.0005
3/16/2022				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0005					
8/28/2019	<0.0005					
3/9/2020	<0.0005				<0.0005	
10/13/2020	<0.0005					
10/14/2020				<0.0005	<0.0005	<0.0005
10/20/2020			<0.0005			
10/26/2020		<0.0005				
4/20/2021			<0.0005	<0.0005		
4/27/2021		<0.0005				<0.0005
4/28/2021	<0.0005					
5/5/2021					<0.0005	
6/16/2021		<0.0005	<0.0005	<0.0005		<0.0005
9/14/2021	<0.0005	<0.0005				
9/15/2021			<0.0005	<0.0005	<0.0005	<0.0005
3/15/2022					<0.0005	
3/16/2022			<0.0005	<0.0005		<0.0005
3/17/2022	<0.0005	<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0005
3/9/2020		<0.0005				
3/10/2020			<0.0005		<0.0005	
10/14/2020						<0.0005
10/15/2020					<0.0005	
10/19/2020		<0.0005				
10/20/2020			<0.0005			
10/26/2020	<0.0005					
10/27/2020				<0.0005		
4/20/2021		<0.0005				
4/21/2021			<0.0005			
4/27/2021				<0.0005		
4/28/2021					<0.0005	
5/3/2021	<0.0005					<0.0005
9/8/2021						<0.0005
9/13/2021		<0.0005	<0.0005	<0.0005		
9/14/2021	<0.0005				<0.0005	
3/9/2022					<0.0005	
3/14/2022	<0.0005	<0.0005				<0.0005
3/16/2022			<0.0005	<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0005	<0.0005
9/26/2016					<0.0005	<0.0005
10/31/2016					<0.0005	<0.0005
1/9/2017					<0.0005	<0.0005
2/13/2017					<0.0005	<0.0005
4/3/2017					<0.0005	<0.0005
5/16/2017					<0.0005	<0.0005
6/12/2017					<0.0005	<0.0005
1/29/2018					<0.0005	<0.0005
5/10/2018					<0.0005	<0.0005
10/9/2018					<0.0005	<0.0005
4/22/2019						0.000318 (J)
4/29/2019					<0.0005	
8/27/2019					<0.0005	<0.0005
3/3/2020					<0.0005	<0.0005
3/9/2020	<0.0005			<0.0005		
3/10/2020		<0.0005				
10/13/2020		<0.0005			<0.0005	<0.0005
10/19/2020				<0.0005		
10/21/2020	<0.0005					
10/27/2020			<0.0005			
4/21/2021	<0.0005		<0.0005			
5/3/2021				<0.0005		
5/5/2021		<0.0005			<0.0005	<0.0005
9/7/2021		<0.0005			<0.0005	<0.0005
9/13/2021	<0.0005		<0.0005			
9/15/2021				<0.0005		
3/8/2022		<0.0005				
3/9/2022	<0.0005					
3/16/2022			<0.0005		<0.0005	<0.0005
3/17/2022				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0005					
7/26/2016			<0.0005	<0.0005		
9/27/2016	<0.0005					
9/28/2016			<0.0005	<0.0005		
11/1/2016	<0.0005			<0.0005		
11/2/2016			<0.0005			
1/9/2017	<0.0005			<0.0005		
1/10/2017			<0.0005			
2/13/2017	<0.0005			<0.0005		
2/14/2017			<0.0005			
4/3/2017			<0.0005	<0.0005		
4/4/2017	<0.0005					
5/16/2017	<0.0005			<0.0005		
5/17/2017			<0.0005			
6/12/2017	<0.0005		<0.0005	<0.0005		
1/29/2018	<0.0005					
2/1/2018			<0.0005	<0.0005		
5/9/2018	<0.0005		<0.0005	<0.0005		
10/8/2018	<0.0005		<0.0005	<0.0005		
3/5/2019		<0.0005			<0.0005	
4/23/2019			0.000319 (J)	<0.0005		
4/29/2019	<0.0005					
8/27/2019	<0.0005	<0.0005				
8/28/2019			<0.0005	<0.0005	<0.0005	
3/2/2020			<0.0005			
3/3/2020				<0.0005	<0.0005	
3/4/2020	<0.0005	<0.0005				
10/14/2020	<0.0005	<0.0005				
10/19/2020					<0.0005	
10/20/2020				<0.0005		<0.0005
10/21/2020			<0.0005			
4/26/2021	<0.0005	<0.0005				
4/27/2021						<0.0005
4/28/2021				<0.0005	<0.0005	
5/3/2021			<0.0005			
9/1/2021	<0.0005	<0.0005		<0.0005		<0.0005
9/8/2021			<0.0005		<0.0005	
3/8/2022						<0.0005
3/14/2022			<0.0005			
3/15/2022	<0.0005	<0.0005				
3/16/2022				<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0005
9/28/2016				<0.0005
11/2/2016				<0.0005
1/12/2017				<0.0005
2/13/2017				<0.0005
4/3/2017				<0.0005
5/17/2017				<0.0005
6/12/2017				<0.0005
2/1/2018				<0.0005
5/9/2018				<0.0005
10/8/2018				<0.0005
4/23/2019				0.000311 (J)
8/29/2019				<0.0005
3/2/2020				<0.0005
10/15/2020		<0.0005	<0.0005	
10/20/2020	<0.0005			
10/21/2020				<0.0005
4/27/2021	<0.0005	<0.0005	<0.0005	
5/3/2021				<0.0005
9/1/2021	<0.0005	<0.0005	<0.0005	
9/8/2021				<0.0005
3/8/2022	<0.0005	<0.0005	<0.0005	
3/14/2022				<0.0005

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0108	0.115	<0.0002
8/2/2016	0.01					
8/3/2016			0.01			
9/20/2016	0.01					
9/21/2016			0.01			
9/26/2016				0.0105		
9/27/2016					0.0985	<0.0002
10/25/2016	0.01		0.01			
10/31/2016					0.0971	
11/1/2016						<0.0002
11/2/2016				0.0107		
12/13/2016	0.01		0.01			
1/11/2017				0.0101	0.0866	
1/12/2017						<0.0002
2/6/2017			0.01			
2/8/2017	0.01					
2/13/2017				0.00994 (J)		<0.0002
2/14/2017					0.0895	
3/28/2017			0.01			
3/29/2017	0.01					
4/3/2017				0.00788 (J)		
4/4/2017						<0.0002
4/6/2017					0.0812	
4/24/2017			0.01			
4/26/2017	0.01					
5/15/2017				0.00866 (J)		
5/16/2017						<0.0002
5/17/2017					0.0741	
6/7/2017	<0.0002		<0.0002			
6/13/2017					0.0719	
6/14/2017				0.00779 (J)		<0.0002
1/31/2018					0.0943	
2/1/2018				0.0109		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				0.00618 (J)		
5/10/2018					0.069	
5/15/2018	<0.0002		<0.0002			
10/8/2018					0.0951	
10/9/2018				0.00745 (J)		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		0.00577 (J)				
4/16/2019	<0.0002		<0.0002			
4/24/2019					0.121	
5/1/2019				0.00932 (J)		<0.0002
8/27/2019				0.00563 (J)		
8/28/2019						<0.0002
8/29/2019					0.158	
9/24/2019		0.00906 (J)	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0142	0.223	
3/18/2020			<0.0002			
3/25/2020		0.00508 (J)				
9/21/2020			<0.0002			
9/23/2020		0.00664 (J)				
10/19/2020				0.0116	0.305	
10/20/2020						<0.0002
2/2/2021		0.00252	<0.0002			
4/20/2021				0.0072		
4/21/2021						0.000741
5/3/2021					0.296	
8/2/2021		0.00206				
8/10/2021			<0.0002			
9/8/2021				0.00649		
9/14/2021						0.00075
9/15/2021					0.352	
2/14/2022		0.00276				
2/16/2022			0.00012 (J)			
3/15/2022				0.00568		
3/16/2022						0.00039
3/17/2022					0.751	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.0204
7/20/2016	0.0267					
9/26/2016					<0.0002	0.00799 (J)
9/27/2016	0.0362					
10/31/2016					<0.0002	0.0458
11/1/2016	0.0329					
1/9/2017					<0.0002	0.00431 (J)
1/11/2017	0.0322					
2/14/2017					<0.0002	0.0255
2/15/2017	0.0374					
4/3/2017						0.0119
4/4/2017	0.036				<0.0002	
5/15/2017	0.0365					
5/16/2017					<0.0002	0.00405 (J)
6/12/2017					<0.0002	0.0216
6/14/2017	0.0368					
1/30/2018	0.113					
1/31/2018					<0.0002	
2/1/2018						0.00829 (J)
5/7/2018					<0.0002	0.0256
5/8/2018	0.119					
10/8/2018	0.31					
10/9/2018					<0.0002	0.0114
4/24/2019					<0.0002	0.0148
8/28/2019	0.646				<0.0002	0.107
3/3/2020						0.025
3/4/2020					<0.0002	
3/10/2020	0.49					
10/13/2020					<0.0002	0.0494
10/19/2020	0.858					
10/20/2020		0.00206 (J)	0.00311 (J)	<0.0002		
4/21/2021		0.00592	0.00029	0.000157 (J)		0.0515
4/26/2021					<0.0002	
5/5/2021	0.662					
9/1/2021					8E-05 (J)	0.0336
9/7/2021	0.821	0.00355	0.00017 (J)			
9/13/2021				9E-05 (J)		
3/8/2022						0.0418
3/9/2022		0.00325	0.00014 (J)	0.00012 (J)	0.00011 (J)	
3/17/2022	1.17					

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				<0.0002		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				<0.0002		
4/4/2017				<0.0002		
5/16/2017				<0.0002		
6/14/2017				<0.0002		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	0.00498 (J)			0.0391	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	0.0131		<0.0002		
9/3/2019					0.055	<0.0002
3/3/2020				<0.0002		
3/9/2020			<0.0002			
3/10/2020	<0.0002	0.00972 (J)			0.0593	<0.0002
10/13/2020	<0.0002	0.00832 (J)				
10/14/2020			<0.0002			
10/19/2020					0.0683	<0.0002
10/21/2020				0.00458 (J)		
4/20/2021			0.000945			
4/26/2021				0.0018		
4/28/2021					0.0606	
5/3/2021						0.000249
5/5/2021	0.000351	0.00733				
9/7/2021	<0.0002					
9/8/2021					0.0609	0.00039
9/13/2021			0.00058			
9/14/2021		0.00851		0.0021		
3/8/2022	<0.0002	0.0104				
3/9/2022			0.00363		0.0621	0.00037
3/16/2022				0.00207		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.00411 (J)					
8/28/2019	0.00208 (J)					
3/9/2020	<0.0002				0.005 (J)	
10/13/2020	<0.0002					
10/14/2020				<0.0002	0.00351 (J)	<0.0002
10/20/2020			0.00251 (J)			
10/26/2020		0.00248 (J)				
4/20/2021			0.00172	0.000515		
4/27/2021		0.009				0.00575
4/28/2021	0.00251					
5/5/2021					0.00321	
6/16/2021		0.0127	0.00089	0.00089		0.00481
9/14/2021	0.00116	0.00811				
9/15/2021			0.00102	0.0004	0.00282	0.00349
3/15/2022					0.00221	
3/16/2022			0.00135	0.00032		0.00535
3/17/2022	0.0005	0.00897				

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.0139
3/9/2020		<0.0002				
3/10/2020			0.00436 (J)		0.0129	
10/14/2020						0.0223
10/15/2020					0.00939 (J)	
10/19/2020		0.00517 (J)				
10/20/2020			0.00856 (J)			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		0.0017				
4/21/2021			0.00576			
4/27/2021				0.00057		
4/28/2021					0.00777	
5/3/2021	0.00103					0.0166
9/8/2021						0.0184
9/13/2021		0.00156	0.00103	0.00036		
9/14/2021	0.00081				0.00617	
3/9/2022					0.00541	
3/14/2022	0.0007	0.00203				0.0186
3/16/2022			0.00234	0.00032		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.0216	0.0307
9/26/2016					0.0226	0.0341
10/31/2016					0.0209	0.028
1/9/2017					0.0219	0.0303
2/13/2017					0.0235	0.0295
4/3/2017					0.0238	0.0261
5/16/2017					0.0232	0.0281
6/12/2017					0.0226	0.0298
1/29/2018					0.0236	0.037
5/10/2018					0.0219	0.0331
10/9/2018					0.0228	0.0377
4/22/2019						0.068
4/29/2019					0.0265	
8/27/2019					0.026	0.0557
3/3/2020					0.024	0.0648
3/9/2020	0.00255 (J)			<0.0002		
3/10/2020		0.00217 (J)				
10/13/2020		<0.0002			0.0265	0.0517
10/19/2020				<0.0002		
10/21/2020	0.00201 (J)					
10/27/2020			0.0195			
4/21/2021	0.00534		0.0505			
5/3/2021				<0.0002		
5/5/2021		0.0017			0.0243	0.0449
9/7/2021		0.00096			0.0254	0.0511
9/13/2021	0.00634		0.0711			
9/15/2021				0.0001 (J)		
3/8/2022		0.00121				
3/9/2022	0.00765					
3/16/2022			0.0981		0.0266	0.0488
3/17/2022				<0.0002		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			0.0718	0.00707 (J)		
9/27/2016	<0.0002					
9/28/2016			0.0638	0.00623 (J)		
11/1/2016	<0.0002			0.0059 (J)		
11/2/2016			0.0665			
1/9/2017	<0.0002			0.00476 (J)		
1/10/2017			0.067			
2/13/2017	<0.0002			0.00615 (J)		
2/14/2017			0.0735			
4/3/2017			0.0719	0.00623 (J)		
4/4/2017	<0.0002					
5/16/2017	<0.0002			0.00662 (J)		
5/17/2017			0.0733			
6/12/2017	<0.0002		0.0655	0.00613 (J)		
1/29/2018	<0.0002					
2/1/2018			0.076	0.00656 (J)		
5/9/2018	<0.0002		0.061	0.00525 (J)		
10/8/2018	<0.0002		0.0686	0.00565 (J)		
3/5/2019		0.00512 (J)			0.0065 (J)	
4/23/2019			0.0731	0.00479 (J)		
4/29/2019	<0.0002					
8/27/2019	<0.0002	0.00763 (J)				
8/28/2019			0.0709	0.00285 (J)	0.00782 (J)	
3/2/2020			0.0725			
3/3/2020				0.00282 (J)	0.00777 (J)	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					0.00562 (J)	
10/20/2020				<0.0002		0.00424 (J)
10/21/2020			0.0877			
4/26/2021	8.18E-05 (J)	0.00109				
4/27/2021						0.00393
4/28/2021				0.00135	0.00578	
5/3/2021			0.0726			
9/1/2021	7E-05 (J)	0.00134		0.00174		0.00458
9/8/2021			0.0733		0.0061	
3/8/2022						0.00515
3/14/2022			0.0753			
3/15/2022	0.00011 (J)	0.00749				
3/16/2022				0.00145	0.00644	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.0122
9/28/2016				0.00843 (J)
11/2/2016				0.00605 (J)
1/12/2017				0.0049 (J)
2/13/2017				0.00784 (J)
4/3/2017				0.00474 (J)
5/17/2017				0.00447 (J)
6/12/2017				0.003 (J)
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	0.00213 (J)	
10/20/2020	0.0356			
10/21/2020				<0.0002
4/27/2021	0.0324	0.00031	0.0015	
5/3/2021				0.000438
9/1/2021	0.0351	0.00035	0.00047	
9/8/2021				0.00029
3/8/2022	0.0333	0.00121	0.00027	
3/14/2022				0.00033

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				7.52	6.73	6.74
8/2/2016	6.8					
8/3/2016			5.84			
9/20/2016	6.8					
9/21/2016			5.99			
9/26/2016				8.96		
9/27/2016					6.82	6.74
10/25/2016	6.85		5.94			
10/31/2016					6.78	
11/1/2016						6.71
11/2/2016				8.51		
12/13/2016	6.8		5.84			
1/11/2017				8.5	6.8	
1/12/2017						6.61
2/6/2017			5.9			
2/8/2017	6.76					
2/13/2017				8.63		6.58
2/14/2017					6.74	
3/28/2017			5.67			
3/29/2017	6.76					
3/30/2017				8.67		6.57
4/3/2017				7.63		
4/4/2017						6.56
4/6/2017					6.73	
4/24/2017			5.79			
4/26/2017	6.71					
5/15/2017				8.67		
5/16/2017						6.56
5/17/2017					6.73	
6/7/2017	6.71		5.71			
6/13/2017					6.71	
6/14/2017				8.39		6.5
8/21/2017			5.7			
8/22/2017	6.84					
9/19/2017				8.78		6.55
9/21/2017					6.8	
1/29/2018				8.84		
1/30/2018						7.09
1/31/2018					6.81	
2/19/2018			5.78			
2/20/2018	6.77					
3/27/2018				8.48 (D)		6.665 (D)
3/28/2018					6.895 (D)	
5/8/2018						7.04
5/9/2018				8.49		
5/10/2018					6.77	
5/15/2018	6.8		5.84			
10/8/2018					6.86	
10/9/2018				9.04		7.3
10/16/2018			5.75 (D)			
10/17/2018	6.67 (D)					
2/20/2019		7.76				

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
4/16/2019	6.64		5.76			
4/24/2019					6.91	
5/1/2019				11.01		6.64
8/27/2019				7.48		
8/28/2019						7.22
8/29/2019					6.93	
9/24/2019		7.65	5.27			
3/3/2020						6.6
3/9/2020				11.95	7.03	
3/18/2020			5.81			
3/25/2020		7.63				
9/21/2020			5.75			
9/23/2020		7.53				
10/19/2020				11.44	7.05	
10/20/2020						7.26
2/2/2021		7.58	5.69			
4/20/2021				9.55		
4/21/2021						6.54
5/3/2021					7.01	
8/2/2021		7.65				
8/10/2021			5.02			
9/8/2021				9.19		
9/14/2021						6.67
9/15/2021					7.04	
2/14/2022		7.43				
2/16/2022			5.8			
3/15/2022				8.71		
3/16/2022						6.94
3/17/2022					7.24	

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					6.55	6.07
7/20/2016	6.63					
9/26/2016					6.55	5.91
9/27/2016	6.59					
10/31/2016					6.49	6.19
11/1/2016	6.6					
1/9/2017					6.46	6.03
1/11/2017	6.59					
2/14/2017					6.47	6.13
2/15/2017	6.59					
4/3/2017						5.97
4/4/2017	6.54				6.38	
5/15/2017	6.56					
5/16/2017					6.46	5.97
6/12/2017					6.41	6.1
6/14/2017	6.55					
9/19/2017					6.5	6.03
9/21/2017	6.53					
1/30/2018	6.59					5.95
1/31/2018					6.5	
3/28/2018	6.645 (D)				6.49 (D)	6.14 (D)
5/7/2018					6.42	6.01
5/8/2018	6.49					
10/8/2018	6.51					
10/9/2018					6.46	6
4/24/2019					6.46	6.01
8/28/2019	6.63				6.38	6.34
3/3/2020						6.19
3/4/2020					6.43	
3/10/2020	6.52					
10/13/2020					6.42	6.31
10/19/2020	6.5					
10/20/2020		6.81	6.28	6.46		
4/21/2021		6.87	6.19	6.49		6.39
4/26/2021					6.36	
5/5/2021	6.5					
9/1/2021					6.16	6.31
9/7/2021	6.46	6.77	5.98			
9/13/2021				6.3		
3/8/2022						6.15
3/9/2022		6.97	6.05	6.53	6.37	
3/17/2022	6.65					

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				6.03		
9/28/2016				5.96		
11/1/2016				6.02		
1/11/2017				6.11		
2/14/2017				6.16		
4/4/2017				6.1		
5/16/2017				6.12		
6/14/2017				6.11		
9/20/2017				6.16		
1/30/2018				6.17		
3/27/2018				6.19 (D)		
5/9/2018				5.92		
10/9/2018				6.21		
3/6/2019	6.98	7.39			7.14	6.32
5/1/2019				6.25		
8/27/2019	6.98	7.28		6.25		
9/3/2019					7.49	6.34
3/3/2020				6.27		
3/9/2020			8.05			
3/10/2020	7.04	7.28			7.35	6.47
10/13/2020	7	7.23				
10/14/2020			8.25			
10/19/2020					7.33	6.51
10/21/2020				6.29		
4/20/2021			7.97			
4/26/2021				6.33		
4/28/2021					7.29	
5/3/2021						6.29
5/5/2021	6.99	7.31				
9/7/2021	6.82					
9/8/2021					7.37	6.33
9/13/2021			8.63			
9/14/2021		7.39		6.58		
3/8/2022	7.07	7.5				
3/9/2022			8.07		7.38	6.71
3/16/2022				6.14		

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	7.26					
8/28/2019	7.42					
3/9/2020	7.7				7.6	
10/13/2020	7.68					
10/14/2020				6.84	7.66	7.46
10/20/2020			7.68			
10/26/2020		7.78				
4/20/2021			7.81	6.36		
4/27/2021		7.88				7.45
4/28/2021	7.73					
5/5/2021					7.7	
6/16/2021		7.87	7.7	6.69		7.29
9/14/2021	7.83	8.29				
9/15/2021			8.06	6.88	7.78	7.53
3/15/2022					7.61	
3/16/2022			7.94	6.92		7.48
3/17/2022	7.72	7.96				

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						6.51
3/9/2020		6.8				
3/10/2020			6.91		7.27	
10/14/2020						6.45
10/15/2020					7.32	
10/19/2020		6.79				
10/20/2020			6.84			
10/26/2020	7.2					
10/27/2020				6.95		
4/20/2021		6.64				
4/21/2021			6.83			
4/27/2021				7.01		
4/28/2021					7.18	
5/3/2021	7.16					6.48
9/8/2021						6.37
9/13/2021		6.62	6.79	7.04		
9/14/2021	7.21				7.36	
3/9/2022					7.35	
3/14/2022	7.17	6.82				6.5
3/16/2022			6.72	6.94		

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					6.72	8.95
9/26/2016					6.76	9.13
10/31/2016					6.72	9.04
1/9/2017					6.73	9.62
2/13/2017					6.73	9.43
3/29/2017					6.68	9.04
4/3/2017					6.73	9.18
5/16/2017					6.71	9.11
6/12/2017					6.79	9.54
9/20/2017					6.8	9.69
1/29/2018					6.82	9.76
3/27/2018					6.91 (D)	9.475 (D)
5/10/2018					6.79	9.44
10/9/2018					6.8	9.34
4/22/2019						9.17
4/29/2019					6.81	
8/27/2019					6.84	9.23
3/3/2020					6.85	9.4
3/9/2020	7.76			7.33		
3/10/2020		6.69				
10/13/2020		6.64			6.9	9.04
10/19/2020				7.32		
10/21/2020	7.79					
10/27/2020			7.54			
4/21/2021	7.81		7.72			
5/3/2021				7.41		
5/5/2021		6.72			6.9	9.1
9/7/2021		6.58			6.86	8.84
9/13/2021	8.2		7.8			
9/15/2021				7.22		
3/8/2022		6.77				
3/9/2022	8.09					
3/16/2022			7.51		7.04	9.05
3/17/2022				7.12		

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	5.82					
7/26/2016			7.01	5.98		
9/27/2016	5.85					
9/28/2016			7.06	6		
11/1/2016	5.79			6		
11/2/2016			7.02			
1/9/2017	5.83			6.04		
1/10/2017			7.17			
2/13/2017	5.78			6.04		
2/14/2017			7.01			
3/29/2017				6.01		
3/30/2017	5.73					
4/3/2017			7.09	6.02		
4/4/2017	5.7					
5/16/2017	5.72			5.92		
5/17/2017			7			
6/12/2017	5.83		7.08	5.99		
9/18/2017			7.09	6.04		
9/20/2017	5.86					
1/29/2018	5.86					
1/31/2018			7.13	6.05		
3/27/2018	6 (D)		7.175 (D)	6.23 (D)		
5/9/2018	5.85		7.03	6.01		
10/8/2018	5.86		7.26	6.1		
3/5/2019		6.5			7.24	
4/23/2019			7.03	6.06		
4/29/2019	5.91					
8/27/2019	6.04	6.38				
8/28/2019			7.08	5.98	7.34	
3/2/2020			7.18			
3/3/2020				6.11	7.14	
3/4/2020	5.96	6.34				
10/14/2020	5.93	6.38				
10/19/2020					7.28	
10/20/2020				6.15		6.78
10/21/2020			7.07			
4/26/2021	5.75	6.34				
4/27/2021						6.8
4/28/2021				6.1	7.15	
5/3/2021			6.96			
9/1/2021	5.76	5.85		6.28		6.77
9/8/2021			7.08		6.98	
3/8/2022						6.81
3/14/2022			6.92			
3/15/2022	6.27	6.68				
3/16/2022				6.07	7.17	

Time Series

Constituent: pH, Field (pH) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				7.88
9/28/2016				7.8
11/2/2016				7.86
1/12/2017				7.9
2/13/2017				7.86
3/30/2017				8.06
4/3/2017				8
5/17/2017				7.99
6/12/2017				7.91
9/18/2017				8.04
1/31/2018				8.23
3/27/2018				8.33 (D)
5/9/2018				8.6
10/8/2018				8.31
4/23/2019				8.18
8/29/2019				8.26
3/2/2020				8.34
10/15/2020		6.67	6.42	
10/20/2020	6.54			
10/21/2020				8.16
4/27/2021	6.56	6.68	6.36	
5/3/2021				8.32
9/1/2021	6.57	6.66	6.33	
9/8/2021				8.34
3/8/2022	6.61	6.75	6.28	
3/14/2022				8.47

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.00102	<0.00102	<0.00102
8/2/2016	0.01					
8/3/2016			0.01			
9/20/2016	0.01					
9/21/2016			0.01			
9/26/2016				<0.00102		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.01		0.01			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				<0.00102		
12/13/2016	0.01		0.01			
1/11/2017				<0.00102	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.01			
2/8/2017	0.01					
2/13/2017				<0.00102		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.01			
3/29/2017	0.01					
4/3/2017				<0.00102		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.01			
4/26/2017	0.01					
5/15/2017				<0.00102		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		<0.00102			
6/13/2017					<0.00102	
6/14/2017				<0.00102		<0.00102
1/31/2018					<0.00102	
2/1/2018				<0.00102		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				<0.00102		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		<0.00102				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				<0.00102		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		<0.00102	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.00102	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				<0.00102	<0.00102	
10/20/2020						<0.00102
2/2/2021		<0.00102	<0.00102			
4/20/2021				<0.00102		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		<0.00102				
8/10/2021			<0.00102			
9/8/2021				<0.00102		
9/14/2021						<0.00102
9/15/2021					<0.00102	
2/14/2022		<0.00102				
2/16/2022			<0.00102			
3/15/2022				<0.00102		
3/16/2022						<0.00102
3/17/2022					<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	<0.00102					
9/26/2016					<0.00102	0.00341 (J)
9/27/2016	<0.00102					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	0.00273 (J)
1/11/2017	<0.00102					
2/14/2017					<0.00102	0.00281 (J)
2/15/2017	<0.00102					
4/3/2017						0.00262 (J)
4/4/2017	<0.00102				<0.00102	
5/15/2017	<0.00102					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	0.00204 (J)
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	<0.00102
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						0.00271 (J)
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	0.00351 (J)
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		<0.00102	<0.00102	<0.00102		0.000975 (J)
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					<0.00102	0.00629
9/7/2021	<0.00102	<0.00102	<0.00102			
9/13/2021				<0.00102		
3/8/2022						0.00171
3/9/2022		<0.00102	<0.00102	<0.00102	<0.00102	
3/17/2022	<0.00102					

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			0.00512 (J)			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021						<0.00102
5/5/2021	<0.00102	<0.00102				
9/7/2021	<0.00102					
9/8/2021					<0.00102	<0.00102
9/13/2021			<0.00102			
9/14/2021		<0.00102		<0.00102		
3/8/2022	<0.00102	<0.00102				
3/9/2022			<0.00102		<0.00102	<0.00102
3/16/2022				<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		<0.00102				<0.00102
4/28/2021	<0.00102					
5/5/2021					<0.00102	
6/16/2021		<0.00102	<0.00102	<0.00102		<0.00102
9/14/2021	<0.00102	<0.00102				
9/15/2021			<0.00102	<0.00102	<0.00102	<0.00102
3/15/2022					<0.00102	
3/16/2022			<0.00102	<0.00102		<0.00102
3/17/2022	<0.00102	<0.00102				

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			0.00228 (J)		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021	<0.00102					<0.00102
9/8/2021						<0.00102
9/13/2021		<0.00102	<0.00102	<0.00102		
9/14/2021	<0.00102				<0.00102	
3/9/2022					<0.00102	
3/14/2022	<0.00102	<0.00102				<0.00102
3/16/2022			<0.00102	<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.00102	<0.00102
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						<0.00102
4/29/2019					<0.00102	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	0.0461			<0.00102		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				<0.00102		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				<0.00102		
5/5/2021		<0.00102			<0.00102	<0.00102
9/7/2021		<0.00102			<0.00102	<0.00102
9/13/2021	<0.00102		<0.00102			
9/15/2021				<0.00102		
3/8/2022		<0.00102				
3/9/2022	<0.00102					
3/16/2022			<0.00102		<0.00102	<0.00102
3/17/2022				<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	0.0023 (J)					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	0.00278 (J)			<0.00102		
1/10/2017			<0.00102			
2/13/2017	0.00291 (J)			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	0.00343 (J)					
5/16/2017	0.003 (J)			<0.00102		
5/17/2017			<0.00102			
6/12/2017	0.00255 (J)		<0.00102	<0.00102		
1/29/2018	0.00273 (J)					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		<0.00102			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	<0.00102	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	0.00112	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	<0.00102	
5/3/2021			<0.00102			
9/1/2021	0.00077 (J)	<0.00102		<0.00102		<0.00102
9/8/2021			<0.00102		<0.00102	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	<0.00102				
3/16/2022				<0.00102	<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				<0.00102
2/13/2017				<0.00102
4/3/2017				<0.00102
5/17/2017				<0.00102
6/12/2017				<0.00102
2/1/2018				<0.00102
5/9/2018				<0.00102
10/8/2018				<0.00102
4/23/2019				<0.00102
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	<0.00102	<0.00102	<0.00102	
5/3/2021				<0.00102
9/1/2021	<0.00102	<0.00102	<0.00102	
9/8/2021				<0.00102
3/8/2022	<0.00102	<0.00102	<0.00102	
3/14/2022				<0.00102

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				585	787	637
8/2/2016	12					
8/3/2016			4.2			
9/20/2016	11.2					
9/21/2016			4.27			
9/26/2016				480		
9/27/2016					714	612
10/25/2016	10.1		2.78			
10/31/2016					741	
11/1/2016						619
11/2/2016				462		
12/13/2016	11.4		3.18			
1/11/2017				515	731	
1/12/2017						654
2/6/2017			3.74			
2/8/2017	10.9					
2/14/2017					670	
3/28/2017			3.4 (JD)			
3/29/2017	11 (D)					
3/30/2017				470		650
4/3/2017				560		
4/4/2017						690
4/6/2017					640	
4/24/2017			2.7 (JD)			
4/26/2017	11 (D)					
5/15/2017				410		
5/16/2017						590
5/17/2017					620	
6/7/2017	11		2.7 (J)			
6/13/2017					950	
6/14/2017				450		620
8/21/2017			3.9 (J)			
8/22/2017	11					
9/19/2017				430		630
9/21/2017					660	
3/27/2018				430		620
3/28/2018					730	
5/8/2018						550
5/9/2018				460		
5/10/2018					680	
5/15/2018	11		2.5 (J)			
10/8/2018					750	
10/9/2018				420		450
10/16/2018			2.4 (J)			
10/17/2018	12					
2/20/2019		15.2				
4/16/2019	12.1		4.53			
4/24/2019					950	
5/1/2019				309		549
8/27/2019				639		
8/28/2019						605
8/29/2019					847	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/24/2019		11.8	6.61			
3/3/2020						618
3/9/2020				341	1010	
3/18/2020			4.86			
3/25/2020		9.69				
9/21/2020			4.69			
9/23/2020		11.1				
10/19/2020				233	781	
10/20/2020						575
2/2/2021		8.81	4.83			
4/20/2021				305		
4/21/2021						559
5/3/2021					917	
8/2/2021		10.2				
8/10/2021			3.77			
9/8/2021				472		
9/14/2021						588
9/15/2021					910	
2/14/2022		9.09				
2/16/2022			4.68			
3/15/2022				512		
3/16/2022						707
3/17/2022					735	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					69.3	683
7/20/2016	895					
9/26/2016					74.7	707
9/27/2016	841					
10/31/2016					80.6	610
11/1/2016	829					
1/9/2017					77.9	707
1/11/2017	855					
2/14/2017					68	670
2/15/2017	860					
4/3/2017						520
4/4/2017	1100				71	
5/15/2017	900					
5/16/2017					62	470
6/12/2017					77	510
6/14/2017	1100					
9/19/2017					72	460
9/21/2017	1100					
3/28/2018	1300				73	450
5/7/2018					77	430
5/8/2018	1400					
10/8/2018	1500					
10/9/2018					76	580
4/24/2019					91.9	385
8/28/2019	1780				227	384
3/3/2020						198
3/4/2020					93.9	
3/10/2020	1580					
10/13/2020					107	366
10/19/2020	1630					
10/20/2020		65.8	285	39.3		
4/21/2021		151	610	43.1		392
4/26/2021					157	
5/5/2021	1510					
9/1/2021					163	427
9/7/2021	1850	167	871			
9/13/2021				48.8		
3/8/2022						530
3/9/2022		210	902	48.7	123	
3/17/2022	1730					

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				1340		
9/28/2016				1680		
11/1/2016				1430		
1/11/2017				1550		
2/14/2017				1500		
4/4/2017				1700		
5/16/2017				1500		
6/14/2017				1700		
9/20/2017				1400		
3/27/2018				1500		
5/9/2018				1300		
10/9/2018				1500		
3/6/2019	60.4	158			904	619
5/1/2019				1580		
8/27/2019	83.6	427		1570		
9/3/2019					820	529
3/3/2020				1690		
3/9/2020			35			
3/10/2020	51.9	98.1			793	550
10/13/2020	81.6	362				
10/14/2020			83.1			
10/19/2020					634	475
10/21/2020				1360		
4/20/2021			167			
4/26/2021				1580		
4/28/2021					645	
5/3/2021						438
5/5/2021	93.2	270				
9/7/2021	65.8					
9/8/2021					718	463
9/13/2021			58.8			
9/14/2021		291		1690		
3/8/2022	62.1	125				
3/9/2022			110		785	398
3/16/2022				1630		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	116					
8/28/2019	108					
3/9/2020	111				0.908 (J)	
10/13/2020	135					
10/14/2020				184	1.1	5.51
10/20/2020			36.4			
10/26/2020		7.91				
4/20/2021			31.4	145		
4/27/2021		56.7				27.9
4/28/2021	136					
5/5/2021					1.38	
6/16/2021		56.8	17.1	147		26.1
9/14/2021	139	30.9				
9/15/2021			18.4	146	7.45	26.5
3/15/2022					0.862 (J)	
3/16/2022			24.8	174		33.5
3/17/2022	137	66.2				

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						679
3/9/2020		105				
3/10/2020			820		16.3	
10/14/2020						700
10/15/2020					7.29	
10/19/2020		173				
10/20/2020			850			
10/26/2020	61.6					
10/27/2020				410		
4/20/2021		96.2				
4/21/2021			796			
4/27/2021				404		
4/28/2021					21.8	
5/3/2021	69.2					710
9/8/2021						818
9/13/2021		133	764	416		
9/14/2021	66.2				16.2	
3/9/2022					18.2	
3/14/2022	65.4	105				730
3/16/2022			761	414		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					900	237
9/26/2016					814	105
10/31/2016					800	94.9
1/9/2017					833	131
3/29/2017					760	160
4/3/2017					860	180
5/16/2017					630	160
6/12/2017					710	160
9/20/2017					590	140
3/27/2018					540	140
5/10/2018					540	120
10/9/2018					700	130
4/22/2019						249
4/29/2019					484	
8/27/2019					529	248
3/3/2020					488	298
3/9/2020	220			31.5		
3/10/2020		182				
10/13/2020		196			473	236
10/19/2020				32.4		
10/21/2020	279					
10/27/2020			285			
4/21/2021	372		559			
5/3/2021				34.8		
5/5/2021		184			501	224
9/7/2021		211			513	243
9/13/2021	257		628			
9/15/2021				36.4		
3/8/2022		199				
3/9/2022	185					
3/16/2022			746		352	227
3/17/2022				36		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	981					
7/26/2016			1040	532		
9/27/2016	958					
9/28/2016			1020	540		
11/1/2016	933			521		
11/2/2016			1000			
1/9/2017	896			543		
1/10/2017			995			
2/14/2017			950			
3/29/2017				540		
3/30/2017	930					
4/3/2017			1100	550		
4/4/2017	870					
5/16/2017	780			490		
5/17/2017			930			
6/12/2017	790		940	560		
9/18/2017			830	510		
9/20/2017	710					
3/27/2018	620		780	510		
5/9/2018	600		790	500		
10/8/2018	650		820	490		
3/5/2019		553			526	
4/23/2019			884	638		
4/29/2019	758					
8/27/2019	670	706				
8/28/2019			818	609	228	
3/2/2020			859			
3/3/2020				600	309	
3/4/2020	604	498				
10/14/2020	527	554				
10/19/2020					238	
10/20/2020				513		384
10/21/2020			669			
4/26/2021	554	512				
4/27/2021						390
4/28/2021				551	268	
5/3/2021			752			
9/1/2021	637	619		575		398
9/8/2021			805		332	
3/8/2022						407
3/14/2022			810			
3/15/2022	475	702				
3/16/2022				587	266	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				487
9/28/2016				422
11/2/2016				345
1/12/2017				281
3/30/2017				160
4/3/2017				190
5/17/2017				190
6/12/2017				150
9/18/2017				86
3/27/2018				31
5/9/2018				29
10/8/2018				4.7 (J)
4/23/2019				8.17
8/29/2019				92
3/2/2020				19.8
10/15/2020		303	339	
10/20/2020	268			
10/21/2020				7.39
4/27/2021	288	329	342	
5/3/2021				48.2
9/1/2021	279	314	335	
9/8/2021				33.4
3/8/2022	279	296	349	
3/14/2022				51.7

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	<0.0002	<0.0002
8/2/2016	0.001					
8/3/2016			0.001			
9/20/2016	0.001					
9/21/2016			0.001			
9/26/2016				<0.0002		
9/27/2016					<0.0002	<0.0002
10/25/2016	0.001		0.001			
10/31/2016					<0.0002	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	0.001		0.001			
1/11/2017				<0.0002	<0.0002	
1/12/2017						<0.0002
2/6/2017			0.001			
2/8/2017	0.001					
2/13/2017				<0.0002		<0.0002
2/14/2017					<0.0002	
3/28/2017			0.001			
3/29/2017	0.001					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					<0.0002	
4/24/2017			0.001			
4/26/2017	0.001					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					<0.0002	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				<0.0002		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		<0.0002				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	<0.0002			
4/20/2021				<0.0002		
4/21/2021						<0.0002
5/3/2021					<0.0002	
8/2/2021		<0.0002				
8/10/2021			<0.0002			
9/8/2021				<0.0002		
9/14/2021						<0.0002
9/15/2021					<0.0002	
2/14/2022		<0.0002				
2/16/2022			<0.0002			
3/15/2022				<0.0002		
3/16/2022						<0.0002
3/17/2022					<0.0002	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	<0.0002
7/20/2016	<0.0002					
9/26/2016					<0.0002	<0.0002
9/27/2016	<0.0002					
10/31/2016					<0.0002	<0.0002
11/1/2016	<0.0002					
1/9/2017					<0.0002	0.000242 (J)
1/11/2017	<0.0002					
2/14/2017					<0.0002	<0.0002
2/15/2017	<0.0002					
4/3/2017						0.000226 (J)
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	0.0003 (J)
5/8/2018	<0.0002					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	<0.0002
10/19/2020	<0.0002					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		<0.0002	7.01E-05 (J)	<0.0002		7.18E-05 (J)
4/26/2021					<0.0002	
5/5/2021	<0.0002					
9/1/2021					<0.0002	<0.0002
9/7/2021	<0.0002	<0.0002	8E-05 (J)			
9/13/2021				<0.0002		
3/8/2022						7E-05 (J)
3/9/2022		<0.0002	0.00013 (J)	<0.0002	<0.0002	
3/17/2022	<0.0002					

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				0.000214 (J)		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				0.000219 (J)		
4/4/2017				0.000202 (J)		
5/16/2017				<0.0002		
6/14/2017				0.000266 (J)		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	<0.0002		<0.0002		
9/3/2019					<0.0002	<0.0002
3/3/2020				<0.0002		
3/9/2020			<0.0002			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				<0.0002		
4/20/2021			<0.0002			
4/26/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021						<0.0002
5/5/2021	<0.0002	<0.0002				
9/7/2021	<0.0002					
9/8/2021					<0.0002	<0.0002
9/13/2021			<0.0002			
9/14/2021		<0.0002		<0.0002		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		<0.0002	<0.0002
3/16/2022				<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				<0.0002
4/28/2021	<0.0002					
5/5/2021					<0.0002	
6/16/2021		<0.0002	<0.0002	<0.0002		<0.0002
9/14/2021	<0.0002	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	<0.0002
3/15/2022					<0.0002	
3/16/2022			<0.0002	<0.0002		<0.0002
3/17/2022	<0.0002	<0.0002				

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0002
3/9/2020		<0.0002				
3/10/2020			<0.0002		<0.0002	
10/14/2020						<0.0002
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		<0.0002				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021	<0.0002					<0.0002
9/8/2021						<0.0002
9/13/2021		<0.0002	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					<0.0002	
3/14/2022	<0.0002	<0.0002				<0.0002
3/16/2022			<0.0002	<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0002	<0.0002
9/26/2016					<0.0002	<0.0002
10/31/2016					<0.0002	<0.0002
1/9/2017					<0.0002	<0.0002
2/13/2017					<0.0002	<0.0002
4/3/2017					<0.0002	<0.0002
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
1/29/2018					<0.0002	<0.0002
5/10/2018					<0.0002	<0.0002
10/9/2018					<0.0002	<0.0002
4/22/2019						<0.0002
4/29/2019					<0.0002	
8/27/2019					<0.0002	<0.0002
3/3/2020					<0.0002	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			<0.0002	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		<0.0002			
5/3/2021				<0.0002		
5/5/2021		<0.0002			<0.0002	<0.0002
9/7/2021		<0.0002			<0.0002	<0.0002
9/13/2021	<0.0002		<0.0002			
9/15/2021				<0.0002		
3/8/2022		<0.0002				
3/9/2022	<0.0002					
3/16/2022			<0.0002		<0.0002	<0.0002
3/17/2022				<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			<0.0002	<0.0002		
9/27/2016	<0.0002					
9/28/2016			<0.0002	<0.0002		
11/1/2016	<0.0002			<0.0002		
11/2/2016			<0.0002			
1/9/2017	<0.0002			<0.0002		
1/10/2017			<0.0002			
2/13/2017	<0.0002			<0.0002		
2/14/2017			<0.0002			
4/3/2017			<0.0002	<0.0002		
4/4/2017	<0.0002					
5/16/2017	<0.0002			<0.0002		
5/17/2017			<0.0002			
6/12/2017	<0.0002		<0.0002	<0.0002		
1/29/2018	<0.0002					
2/1/2018			<0.0002	<0.0002		
5/9/2018	<0.0002		<0.0002	<0.0002		
10/8/2018	<0.0002		<0.0002	<0.0002		
3/5/2019		<0.0002			<0.0002	
4/23/2019			<0.0002	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	<0.0002				
8/28/2019			<0.0002	<0.0002	<0.0002	
3/2/2020			<0.0002			
3/3/2020				<0.0002	<0.0002	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					<0.0002	
10/20/2020				<0.0002		<0.0002
10/21/2020			<0.0002			
4/26/2021	<0.0002	<0.0002				
4/27/2021						<0.0002
4/28/2021				<0.0002	<0.0002	
5/3/2021			<0.0002			
9/1/2021	<0.0002	<0.0002		<0.0002		<0.0002
9/8/2021			<0.0002		<0.0002	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	7E-05 (J)	<0.0002				
3/16/2022				<0.0002	<0.0002	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	<0.0002	<0.0002	<0.0002	
5/3/2021				<0.0002
9/1/2021	<0.0002	<0.0002	<0.0002	
9/8/2021				<0.0002
3/8/2022	<0.0002	<0.0002	<0.0002	
3/14/2022				<0.0002

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				1060	1440	456
8/2/2016	221					
8/3/2016			113			
9/20/2016	221					
9/21/2016			128			
9/26/2016				852		
9/27/2016					1310	1170
10/25/2016	226		121			
10/31/2016					1360	
11/1/2016						1160
11/2/2016				888		
12/13/2016	211		101			
1/11/2017				920	1310	
1/12/2017						1180
2/6/2017			108			
2/8/2017	212					
2/13/2017				848		1130
2/14/2017					1270	
3/28/2017			91			
3/29/2017	217					
4/3/2017				1000		
4/4/2017						1140
4/6/2017					1320	
4/24/2017			89.3			
4/26/2017	202					
5/15/2017				870		
5/16/2017						1080
5/17/2017					1280	
6/7/2017	218		84			
6/13/2017					1310	
6/14/2017				910		1220
8/21/2017			91.3			
8/22/2017	224					
9/19/2017				824		1140
9/21/2017					1350	
5/8/2018						1070
5/9/2018				1020		
5/10/2018					1310	
5/15/2018	209		94.7			
10/8/2018					1430 (D)	
10/9/2018				830 (D)		1010 (D)
10/16/2018			76.7			
10/17/2018	208					
2/20/2019		346				
4/16/2019	185		92			
4/24/2019					1460	
5/1/2019				694		996
8/27/2019				1120		
8/28/2019						1050
8/29/2019					1550	
9/24/2019		365	109			
3/3/2020						1070

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				815	1720	
3/18/2020			90.7			
3/25/2020		364				
9/21/2020			94			
9/23/2020		368				
10/19/2020				530	1430	
10/20/2020						1050
2/2/2021		356	98.7			
4/20/2021				630		
4/21/2021						1060
5/3/2021					1510	
8/2/2021		333				
8/10/2021			101			
9/8/2021				858		
9/14/2021						1000
9/15/2021					1490	
2/14/2022		365				
2/16/2022			90.7			
3/15/2022				897		
3/16/2022						1120
3/17/2022					1230	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					255	1080
7/20/2016	1620					
9/26/2016					259	1140
9/27/2016	1560					
10/31/2016					265	1010
11/1/2016	1580					
1/9/2017					276	1250
1/11/2017	1570					
2/14/2017					246	1180
2/15/2017	1470					
4/3/2017						846
4/4/2017	1840				257	
5/15/2017	1660					
5/16/2017					283	880
6/12/2017					266	872
6/14/2017	1960					
9/19/2017					266	848
9/21/2017	2030					
5/7/2018					264	742
5/8/2018	2400					
10/8/2018	2630 (D)					
10/9/2018					239 (D)	982 (D)
4/24/2019					234	646
8/28/2019	2850				397	642
3/3/2020						378
3/4/2020					269	
3/10/2020	2420					
10/13/2020					280	738
10/19/2020	2540					
10/20/2020		314	604	219		
4/21/2021		518	1040	232		688
4/26/2021					352	
5/5/2021	2530					
9/1/2021					359	702
9/7/2021	2940	494	1310			
9/13/2021				237		
3/8/2022						738
3/9/2022		574	1300	217	279	
3/17/2022	2580					

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				2040		
9/28/2016				2420		
11/1/2016				2180		
1/11/2017				2320		
2/14/2017				2380		
4/4/2017				2360		
5/16/2017				2400		
6/14/2017				2520		
9/20/2017				2500		
5/9/2018				2040		
10/9/2018				2460 (D)		
3/6/2019	389	398			1260	894
5/1/2019				2370		
8/27/2019	436	937		2470		
9/3/2019					1320	929
3/3/2020				2520		
3/9/2020			900			
3/10/2020	370	328			1290	944
10/13/2020	433	823				
10/14/2020			1300			
10/19/2020					1130	862
10/21/2020				2190		
4/20/2021			1500			
4/26/2021				2560		
4/28/2021					1140	
5/3/2021						774
5/5/2021	514	646				
9/7/2021	417					
9/8/2021					1180	778
9/13/2021			1020			
9/14/2021		682		2400		
3/8/2022	376	360				
3/9/2022			1020		1120	688
3/16/2022				2420		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	397					
8/28/2019	446					
3/9/2020	496				4720	
10/13/2020	534					
10/14/2020				730	4840	4620
10/20/2020			780			
10/26/2020		4010				
4/20/2021			474	590		
4/27/2021		3900				4610
4/28/2021	499					
5/5/2021					4620	
6/16/2021		4030	455	612		4720
9/14/2021	440	4200				
9/15/2021			423	662	4630	4800
3/15/2022					4680	
3/16/2022			391	648		4520
3/17/2022	460	4600				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						1020
3/9/2020		375				
3/10/2020			1720		216	
10/14/2020						1170
10/15/2020					232	
10/19/2020		458				
10/20/2020			1840			
10/26/2020	321					
10/27/2020				886		
4/20/2021		370				
4/21/2021			1700			
4/27/2021				880		
4/28/2021					252	
5/3/2021	314					1160
9/8/2021						1220
9/13/2021		428	1440	842		
9/14/2021	315				239	
3/9/2022					234	
3/14/2022	314	377				1080
3/16/2022			1380	856		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					1530	704
9/26/2016					1480	594
10/31/2016					1430	572
1/9/2017					1500	608
2/13/2017					1380	584
4/3/2017					1370	606
5/16/2017					1300	608
6/12/2017					1300	644
9/20/2017					1180	592
5/10/2018					1060	606
10/9/2018					1220 (D)	536 (D)
4/22/2019						930
4/29/2019					956	
8/27/2019					960	837
3/3/2020					840	953
3/9/2020	1100			312		
3/10/2020		438				
10/13/2020		455			937	793
10/19/2020				295		
10/21/2020	1540					
10/27/2020			913			
4/21/2021	1690		1660			
5/3/2021				310		
5/5/2021		444			883	748
9/7/2021		451			924	706
9/13/2021	1270		1790			
9/15/2021				301		
3/8/2022		432				
3/9/2022	909					
3/16/2022			2080		698	698
3/17/2022				305		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	1520					
7/26/2016			1630	868		
9/27/2016	1540					
9/28/2016			1600	884		
11/1/2016	1510			862		
11/2/2016			1640			
1/9/2017	1510			918		
1/10/2017			1660			
2/13/2017	1460			896		
2/14/2017			1600			
4/3/2017			1600	852		
4/4/2017	1270					
5/16/2017	1420			924		
5/17/2017			1630			
6/12/2017	1380		1770	928		
9/18/2017			1530	908		
9/20/2017	1270					
5/9/2018	1040		1430	908		
10/8/2018	1180 (D)		1300 (D)	882 (D)		
3/5/2019		852			840	
4/23/2019			1390	882		
4/29/2019	1180					
8/27/2019	1120	1190				
8/28/2019			1370	903	560	
3/2/2020			1270			
3/3/2020				926	622	
3/4/2020	904	736				
10/14/2020	934	963				
10/19/2020					594	
10/20/2020				876		818
10/21/2020			1190			
4/26/2021	930	916				
4/27/2021						798
4/28/2021				937	614	
5/3/2021			1220			
9/1/2021	1050	1050		957		838
9/8/2021			1220		708	
3/8/2022						798
3/14/2022			1190			
3/15/2022	800	1070				
3/16/2022				894	592	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/17/2022 5:13 PM View: Time Series and Box Plots

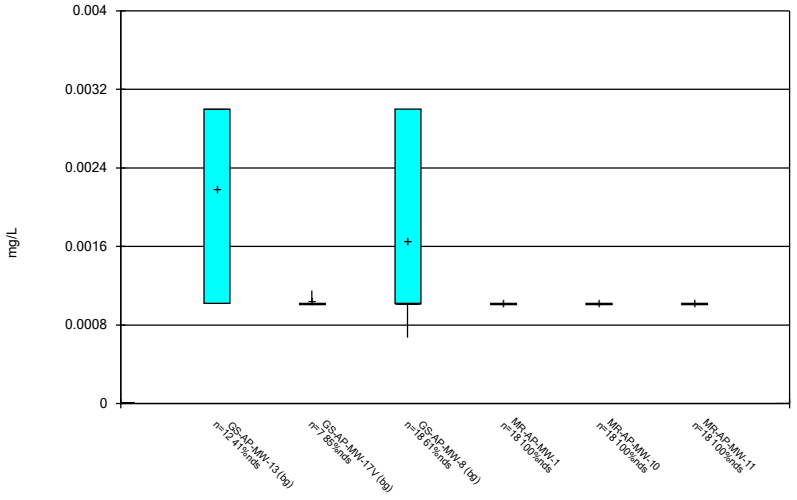
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				1040
9/28/2016				1000
11/2/2016				920
1/12/2017				812
2/13/2017				832
4/3/2017				710
5/17/2017				718
6/12/2017				724
9/18/2017				616
5/9/2018				486
10/8/2018				464 (D)
4/23/2019				478
8/29/2019				734
3/2/2020				594
10/15/2020		654	686	
10/20/2020	588			
10/21/2020				594
4/27/2021	624	646	634	
5/3/2021				762
9/1/2021	646	636	658	
9/8/2021				690
3/8/2022	598	594	614	
3/14/2022				748

FIGURE B.

Sanitas™ v.9.6.33 . UG

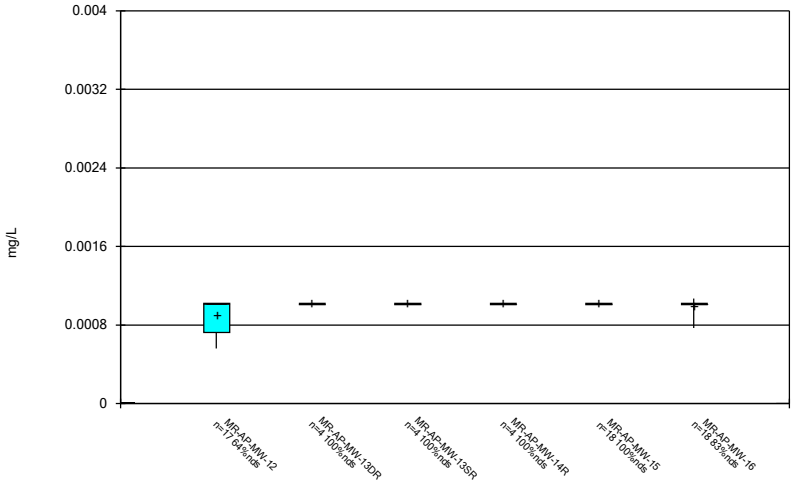
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/17/2022 5:14 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

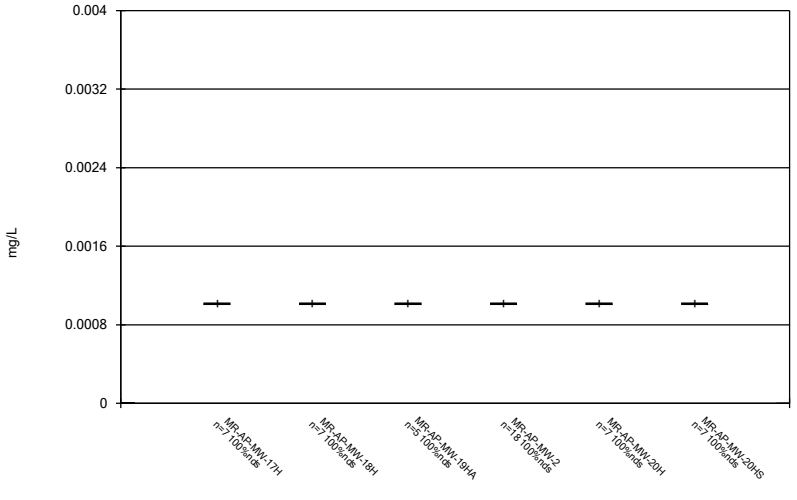
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/17/2022 5:14 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

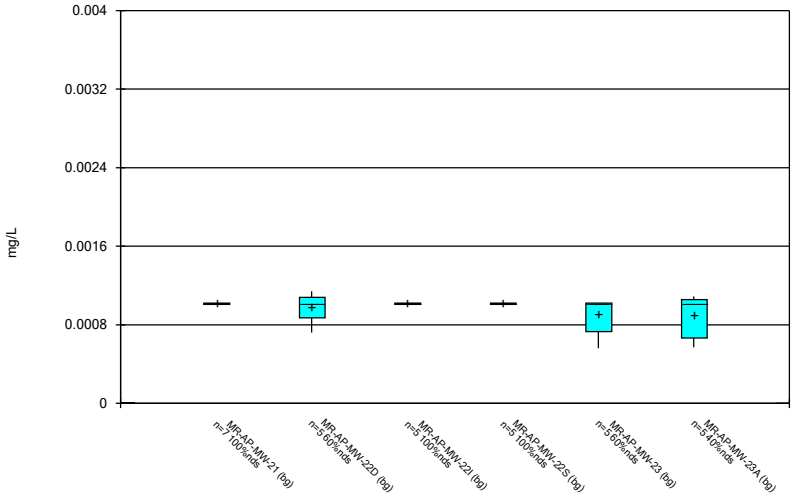
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/17/2022 5:14 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

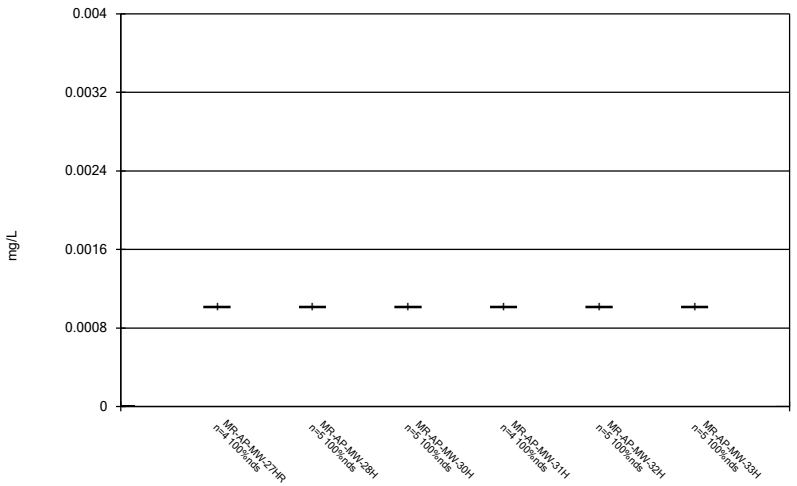
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/17/2022 5:14 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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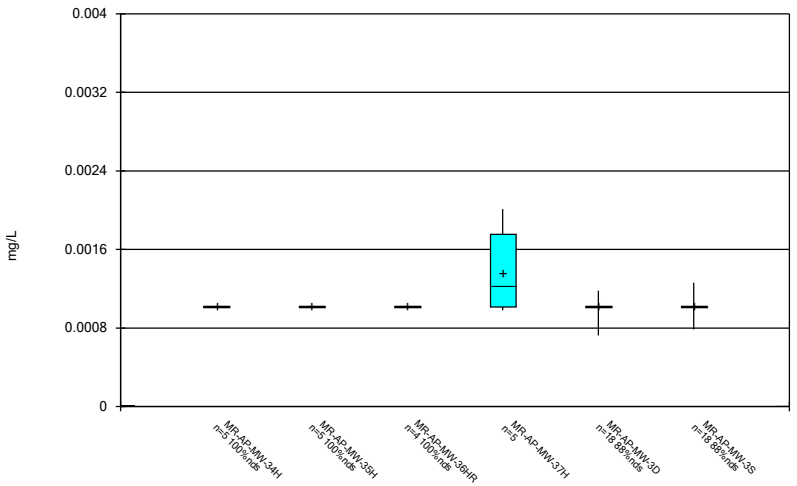

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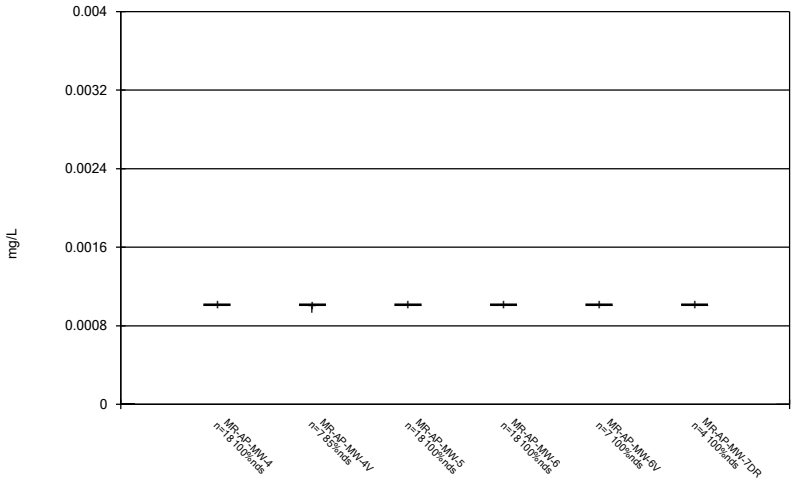

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Sanitas™ v.9.6.33 . UG

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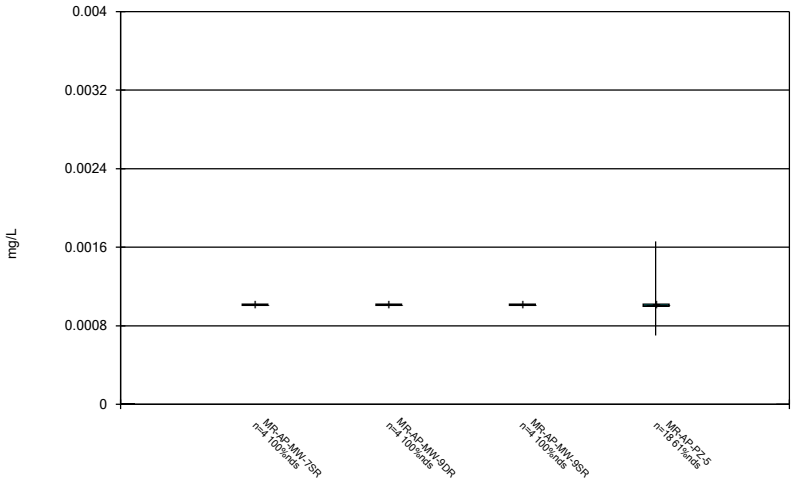

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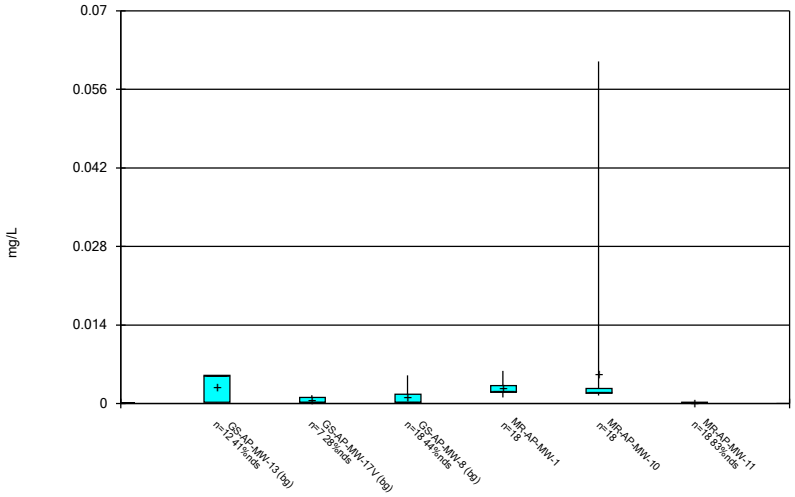

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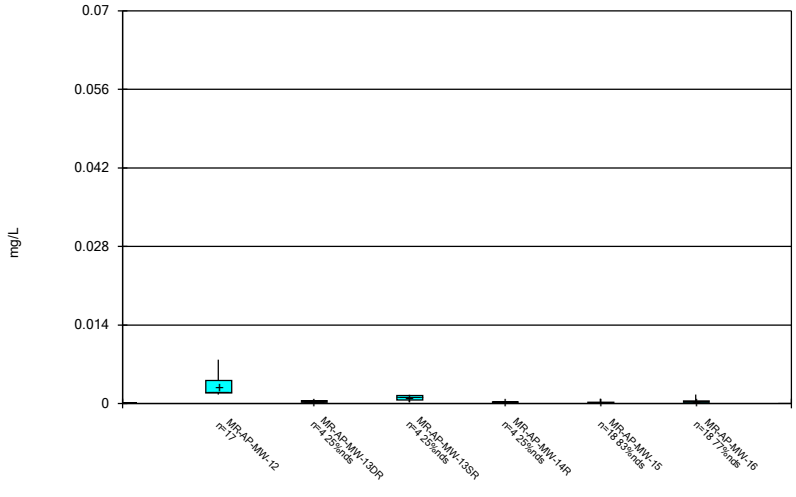

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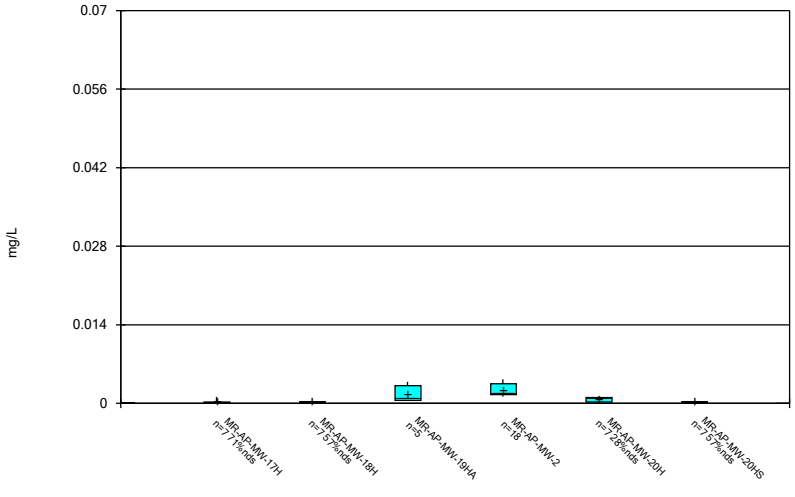

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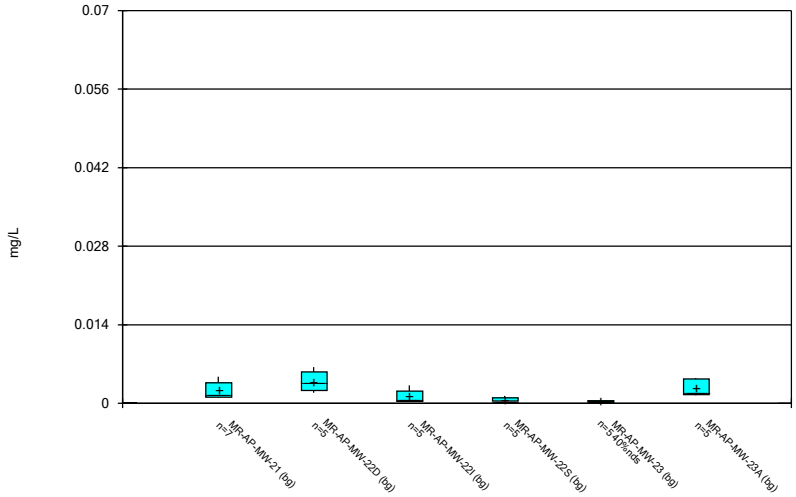

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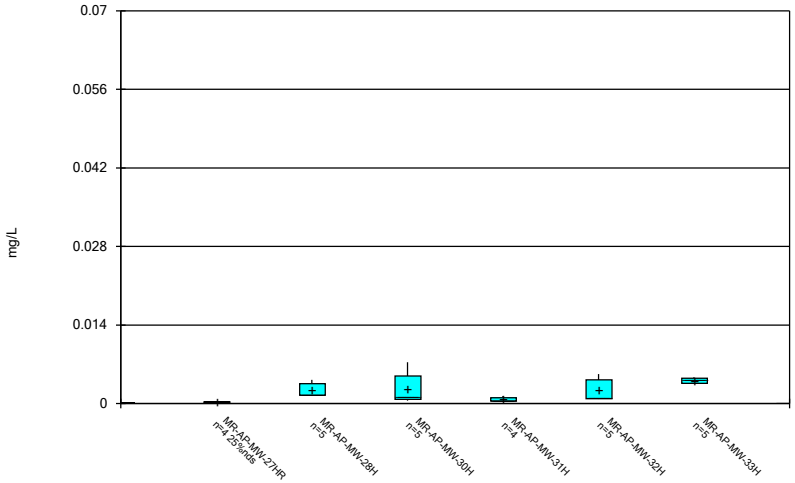

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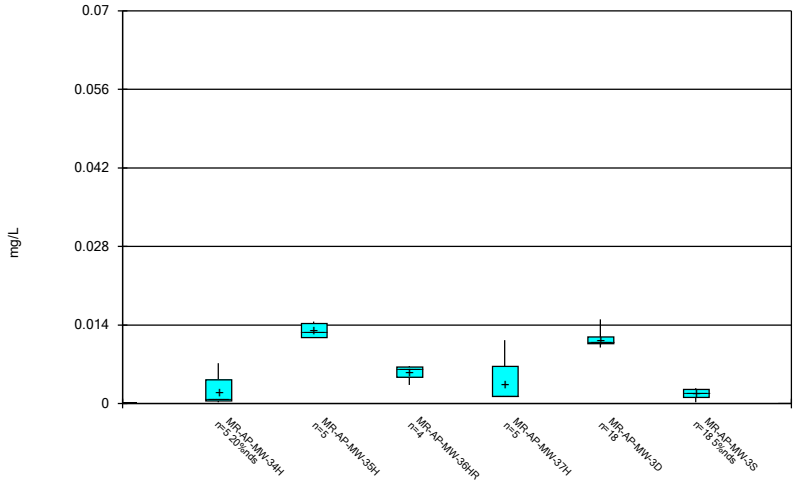

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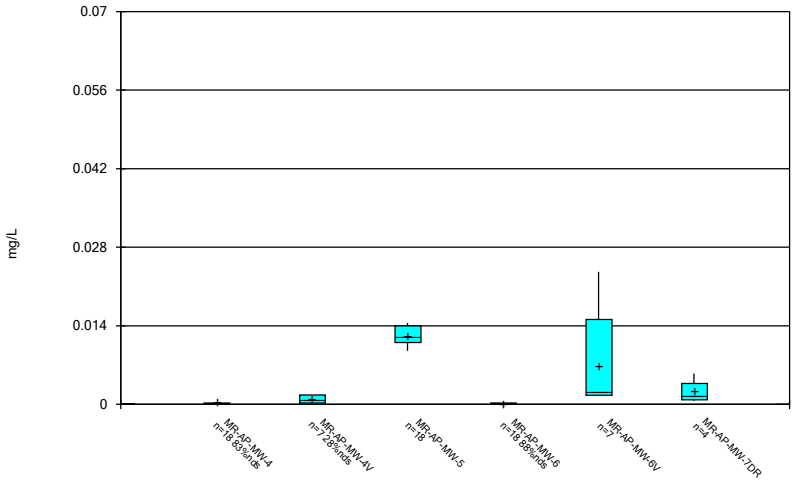

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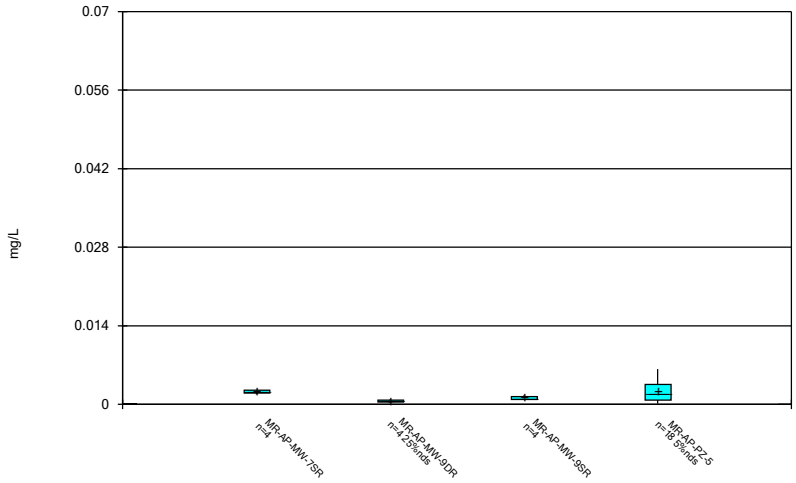

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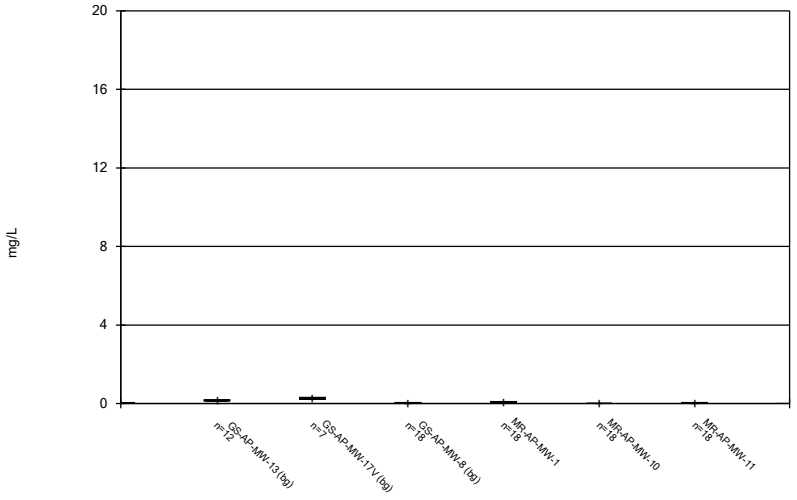

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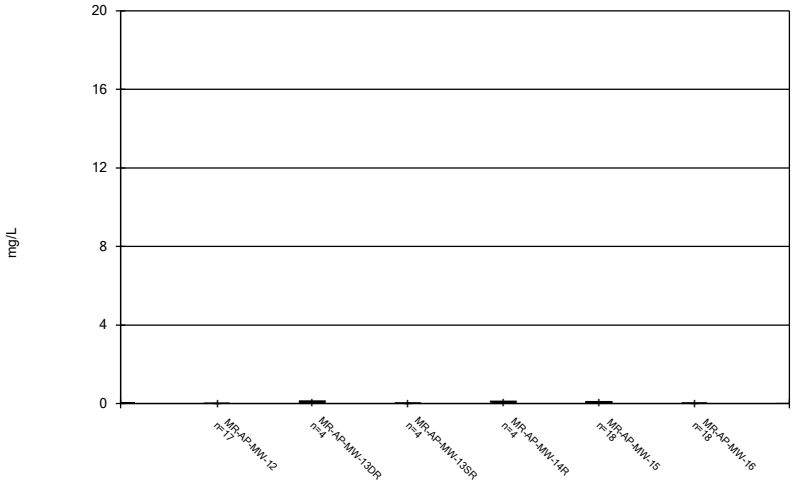

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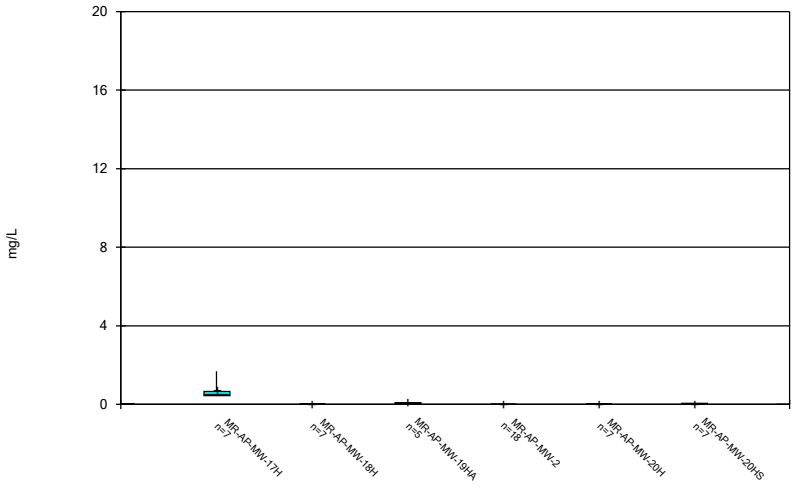

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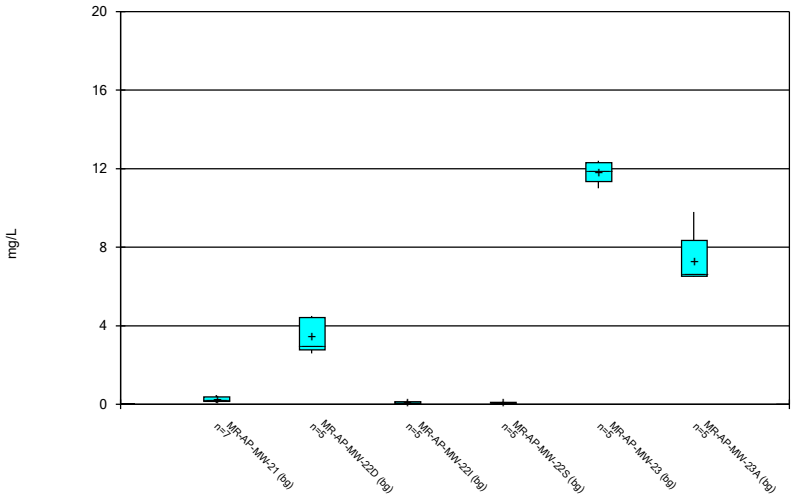

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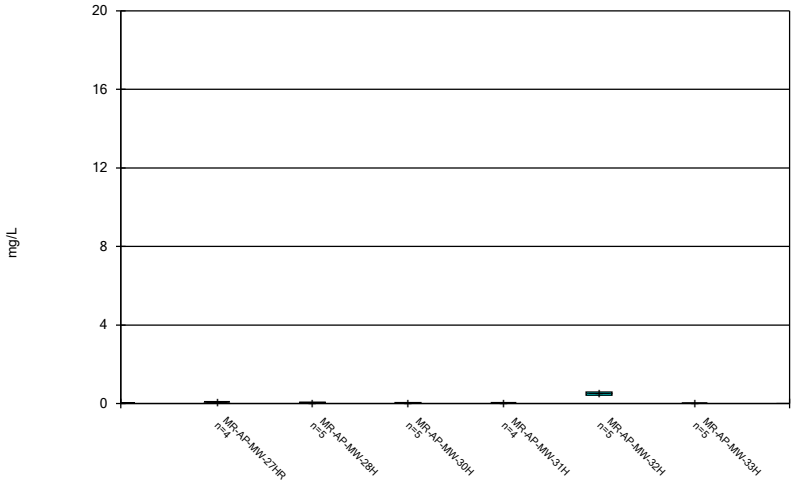

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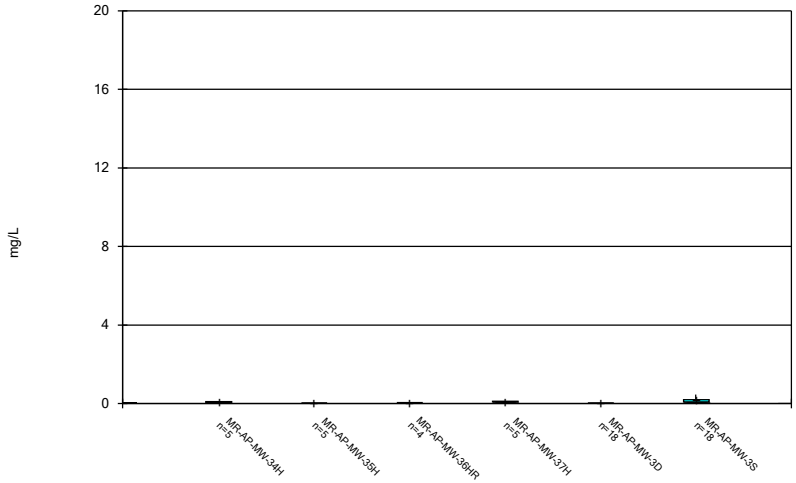

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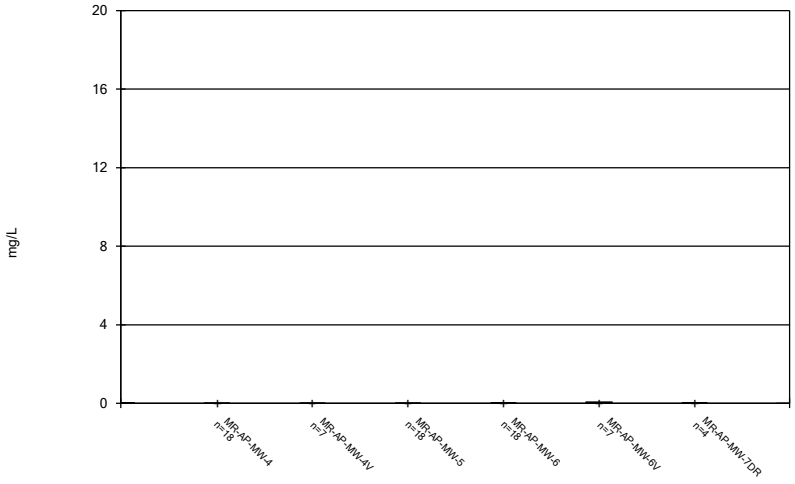

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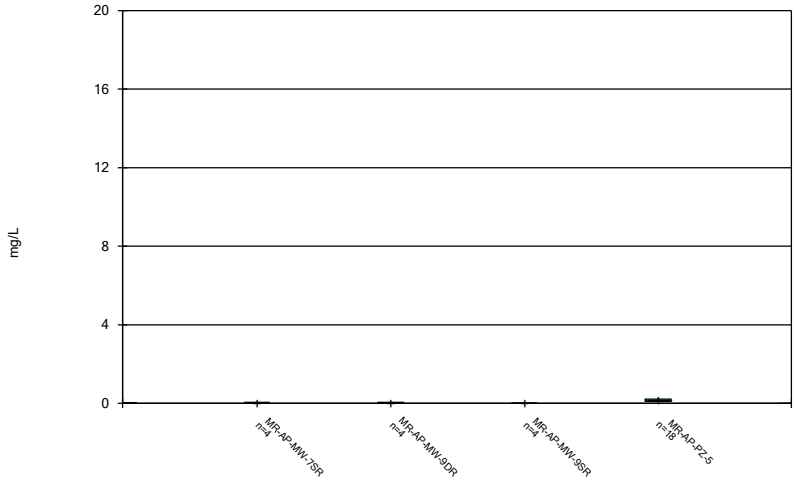

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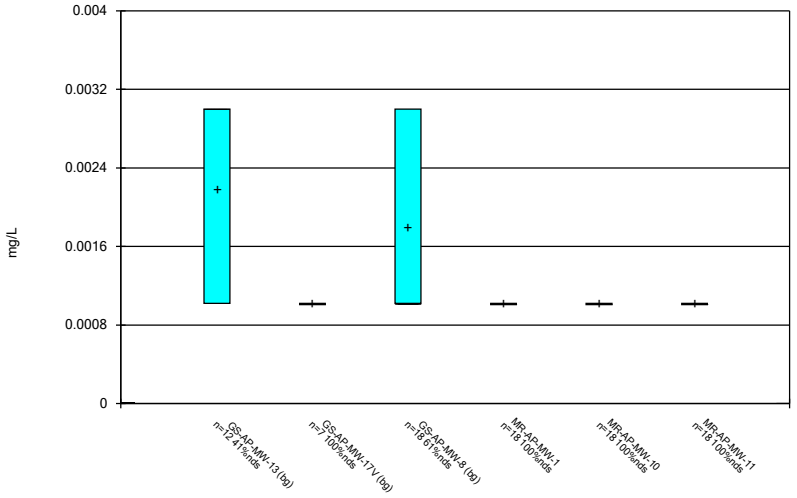

Constituent: Beryllium Analysis Run 5/17/2022 5:14 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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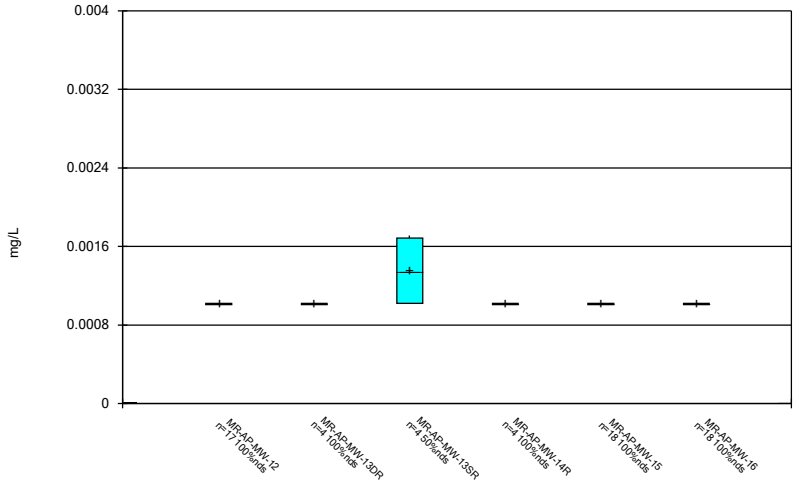

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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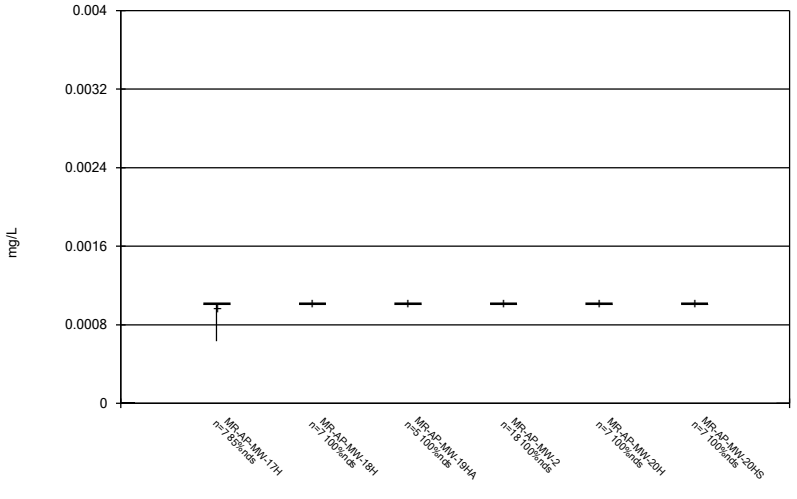

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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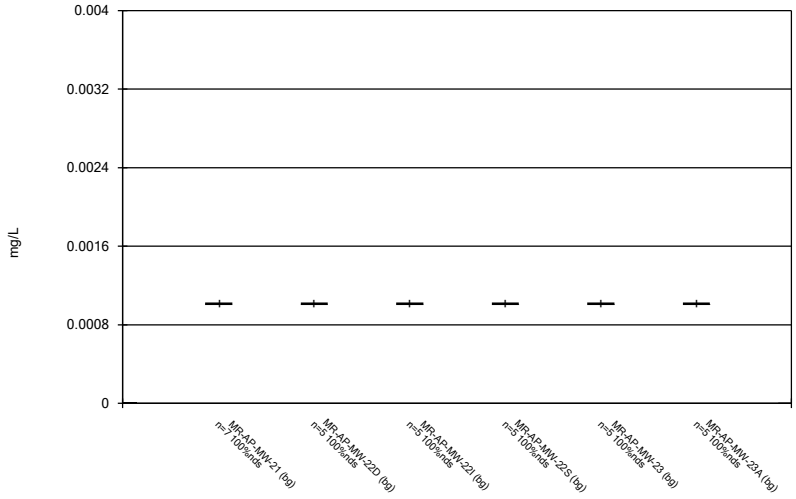

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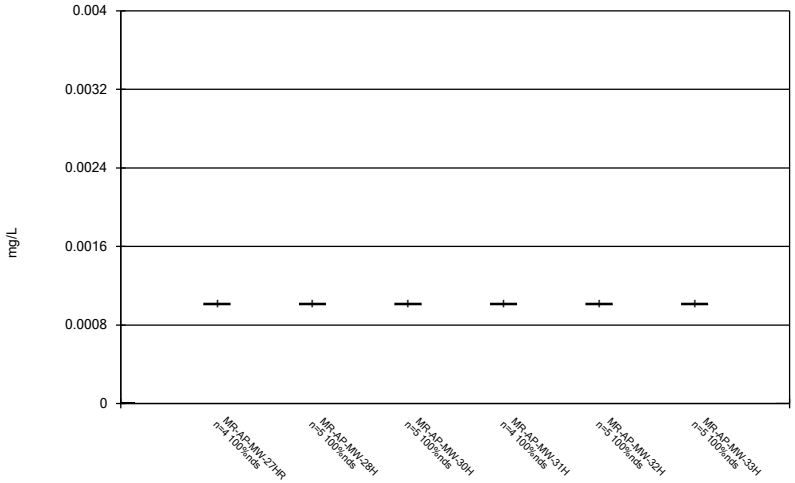

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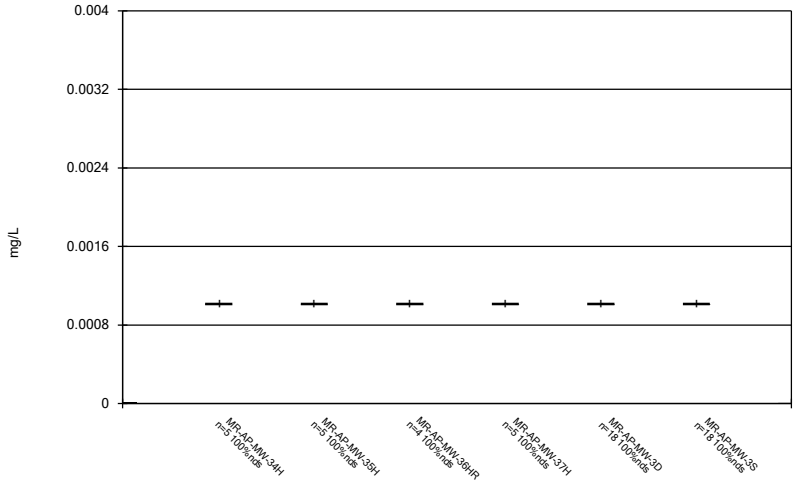

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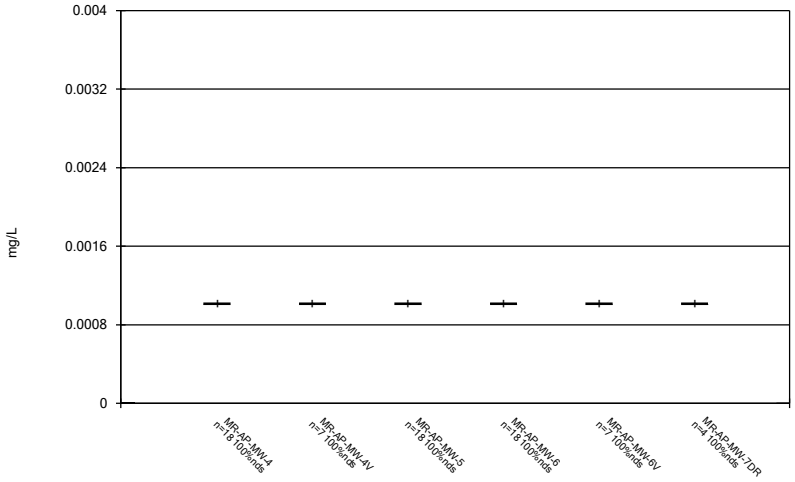

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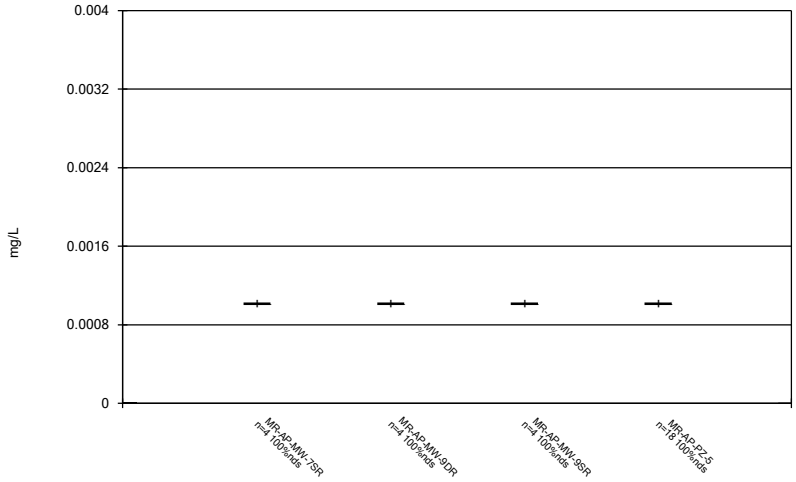

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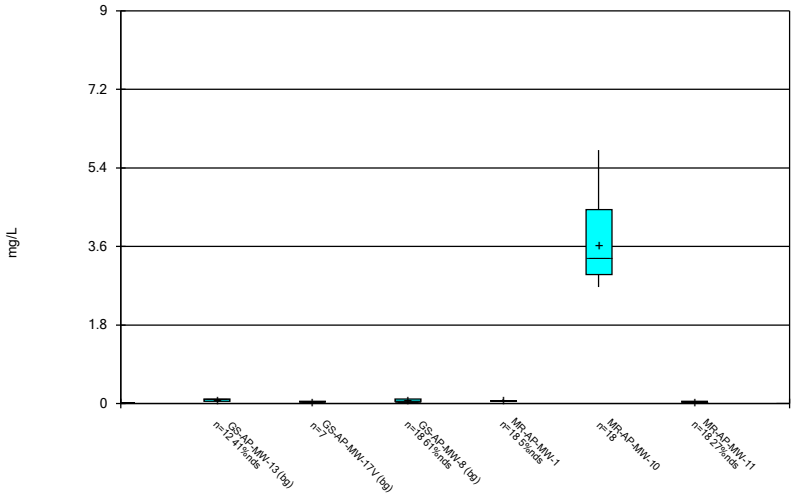

Constituent: Boron, total Analysis Run 5/17/2022 5:14 PM View: Time Series and Box Plots
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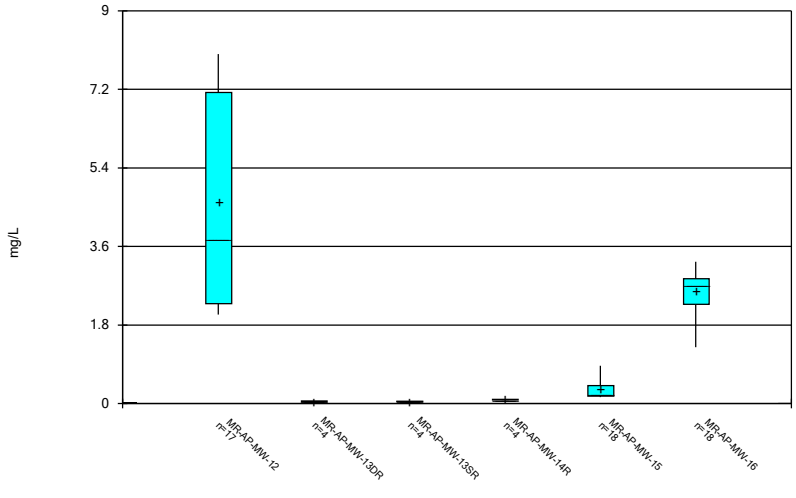

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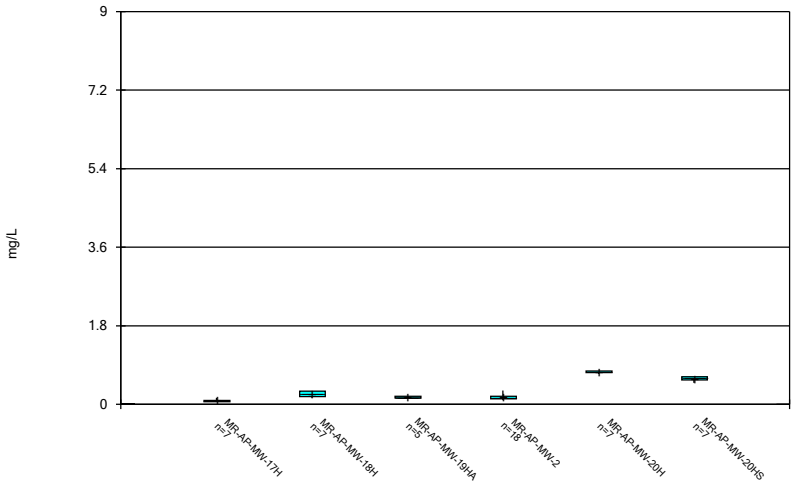

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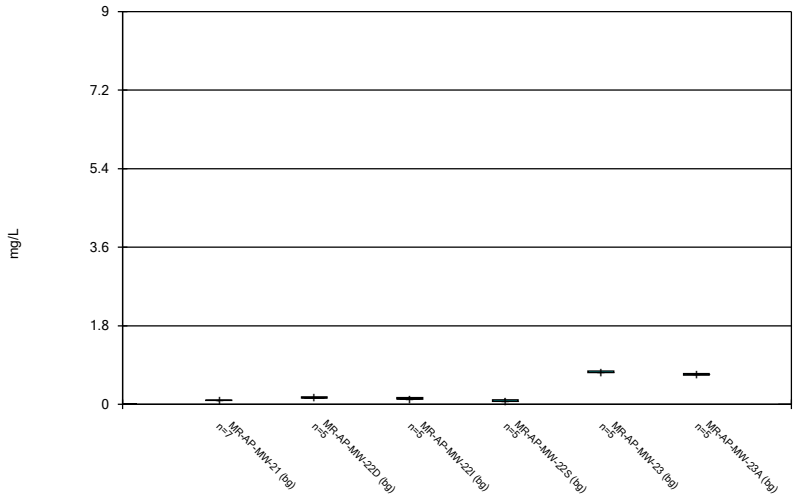

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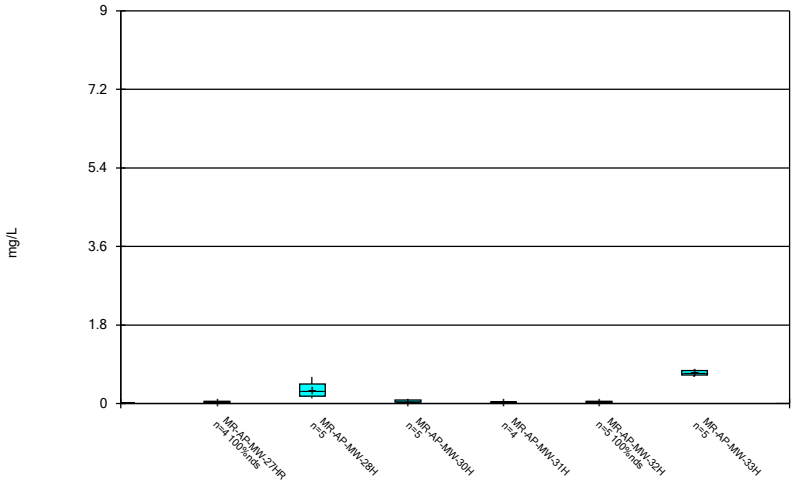

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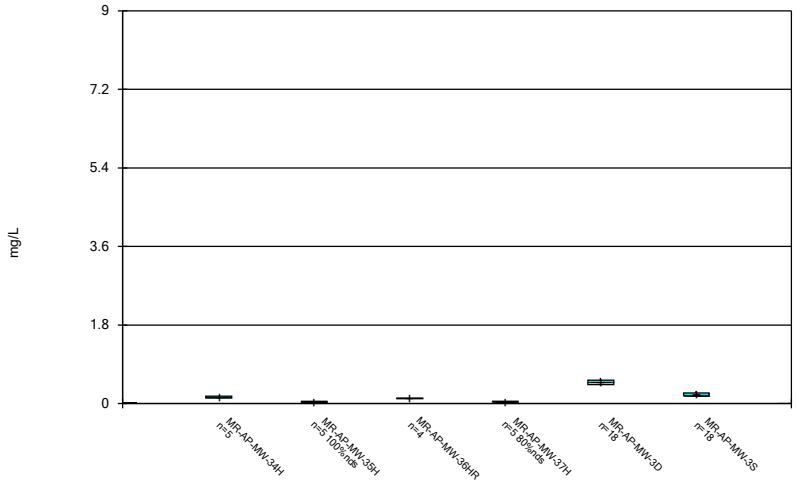

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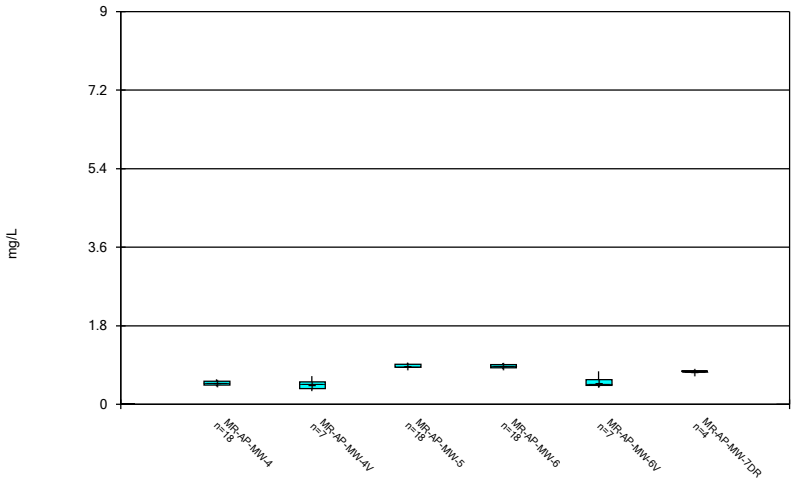

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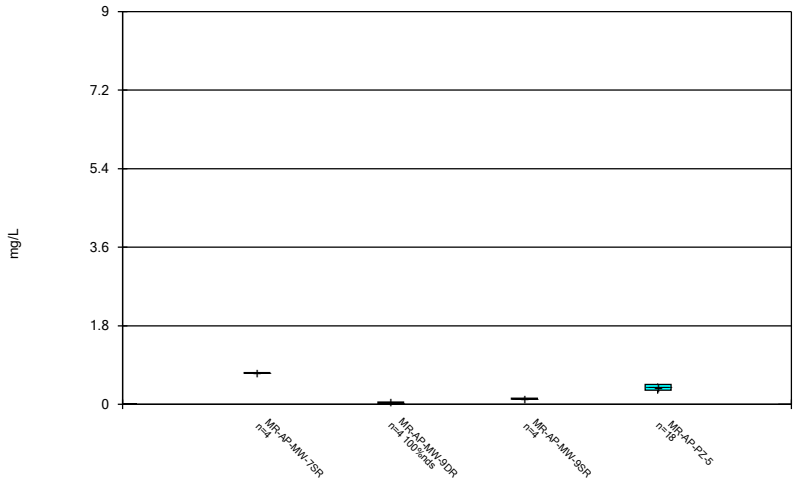

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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

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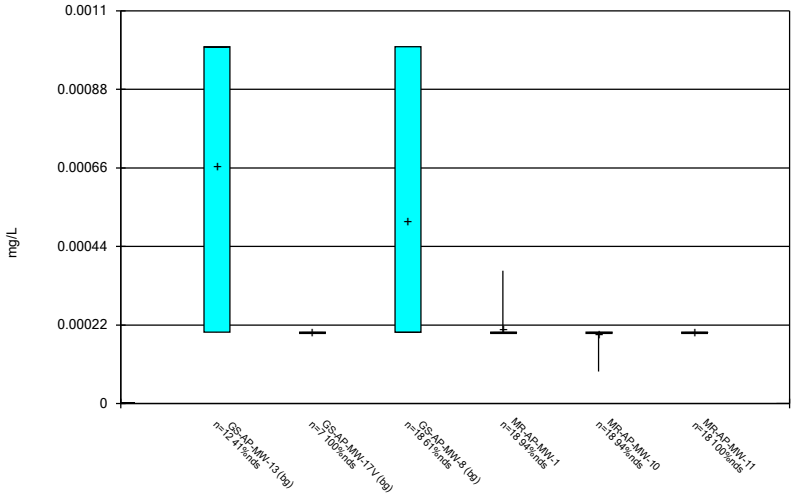

Constituent: Cadmium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

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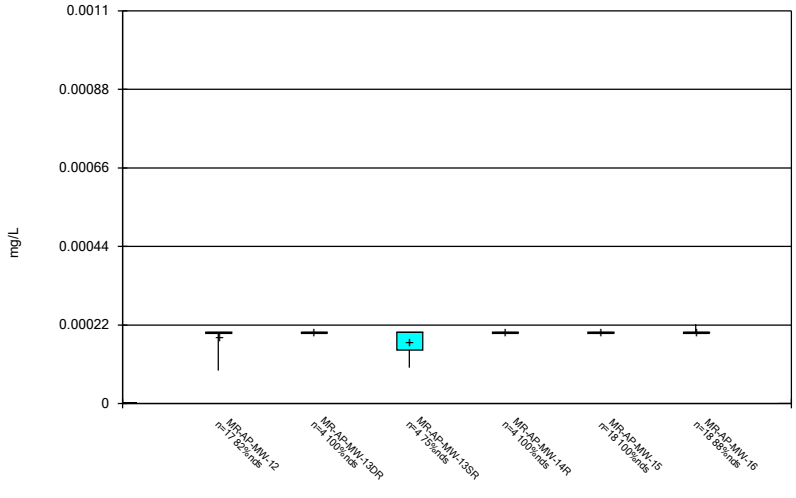

Constituent: Cadmium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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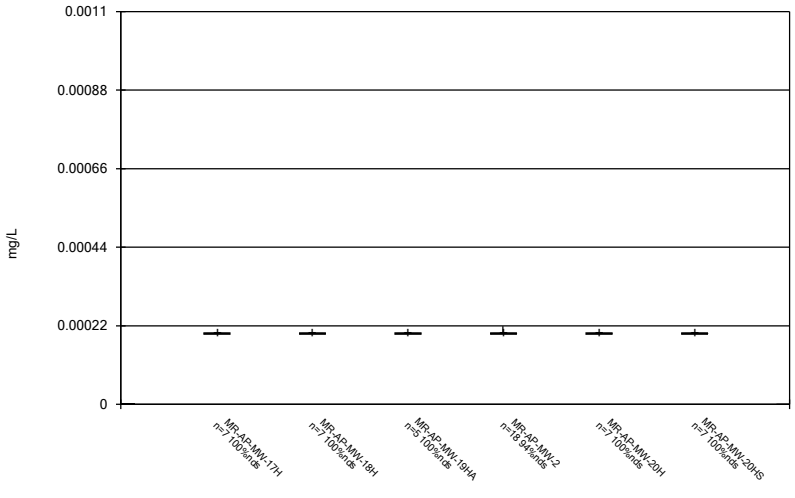

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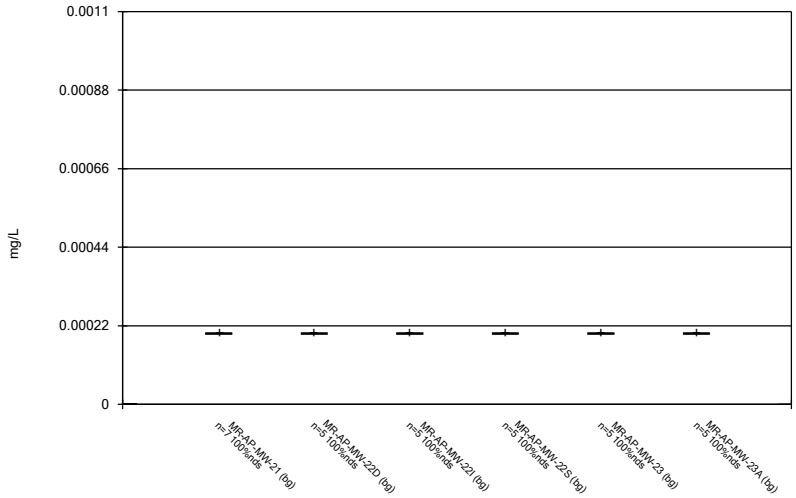

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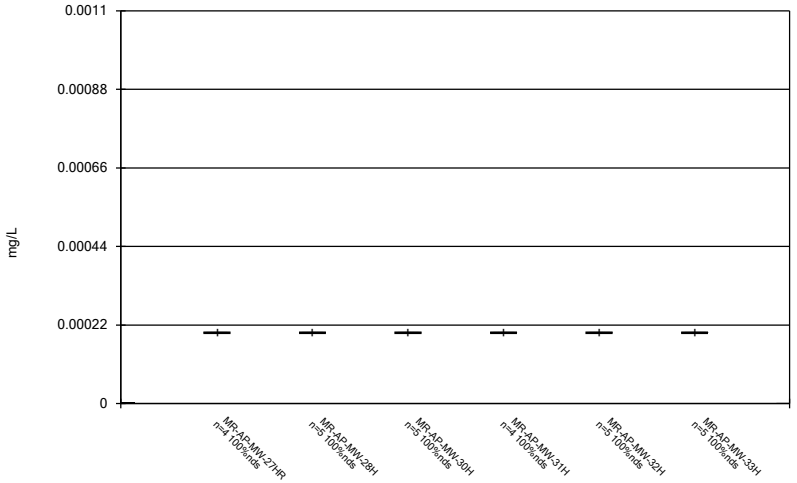
Plant Miller Client: Southern Company Data: Miller Ash Pond

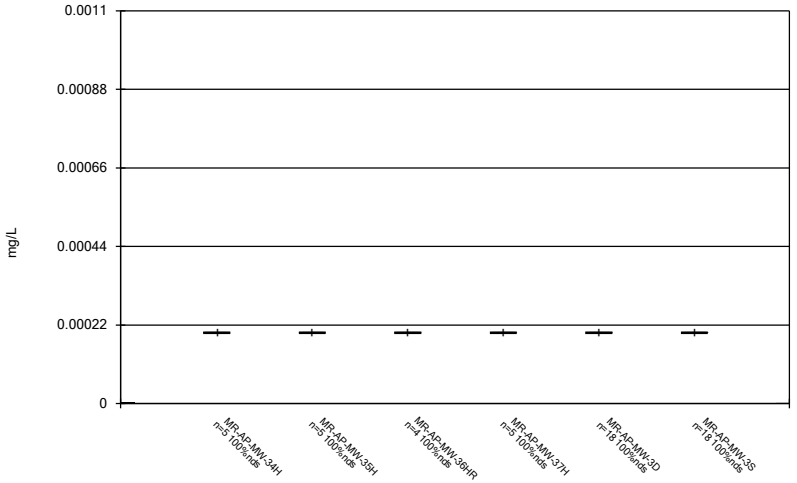
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

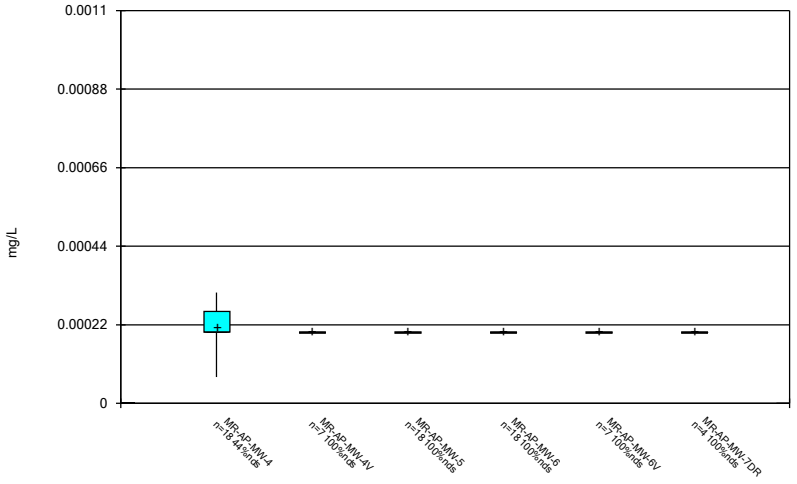
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

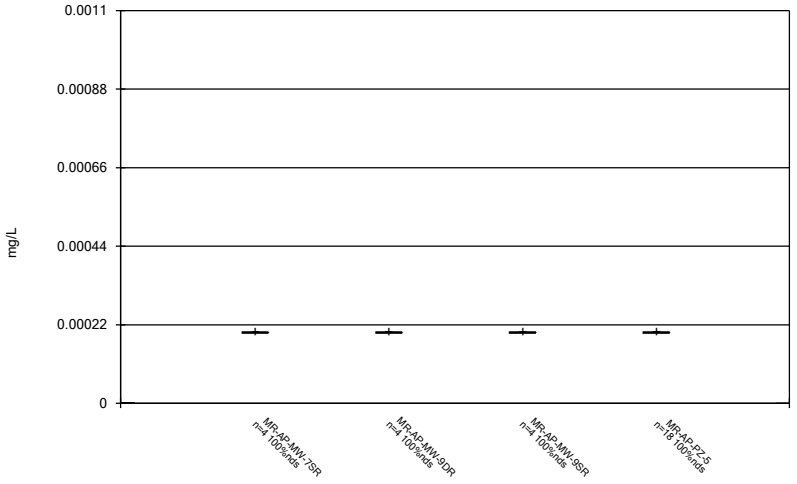
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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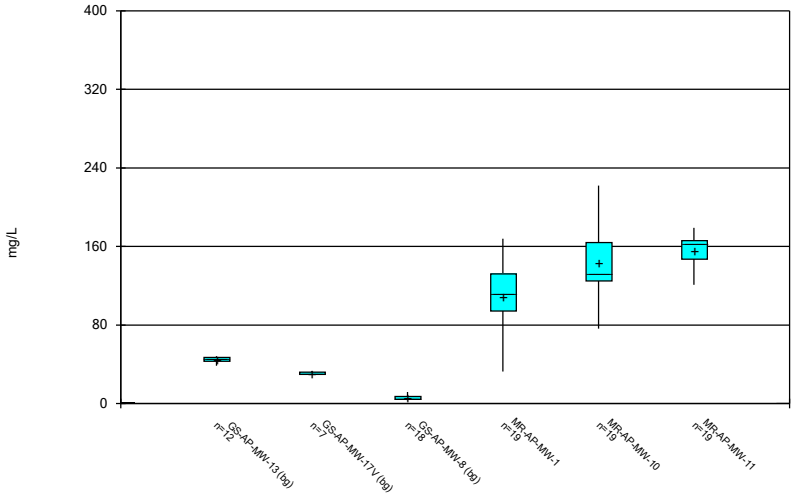
Plant Miller Client: Southern Company Data: Miller Ash Pond

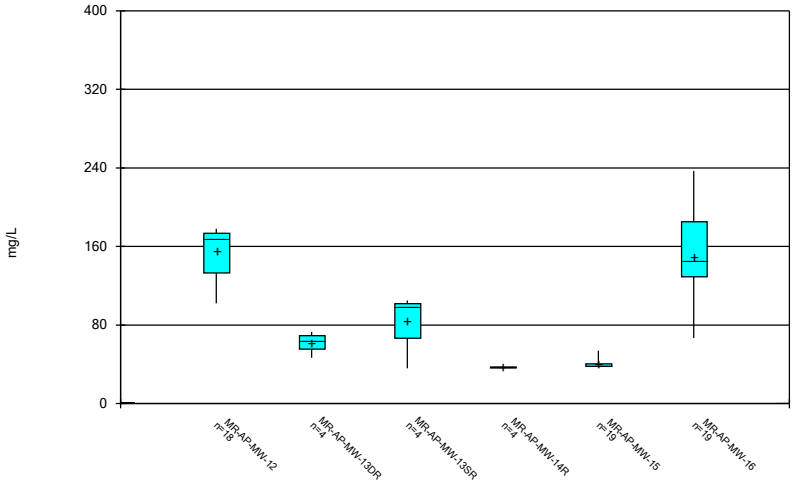
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

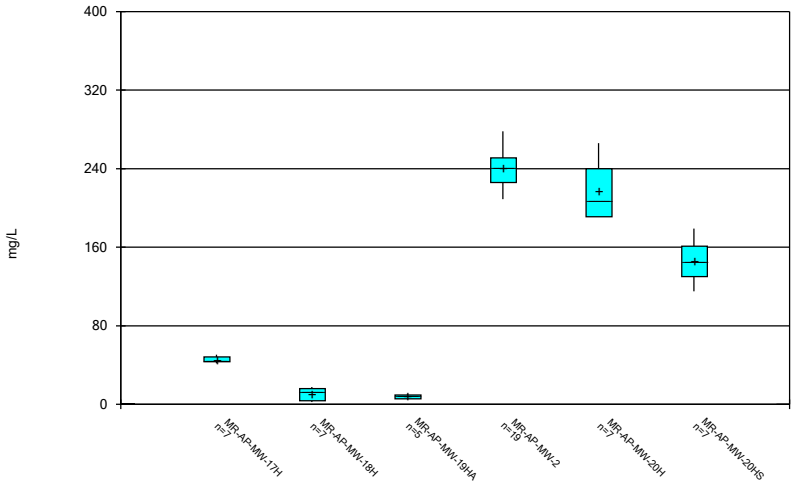
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

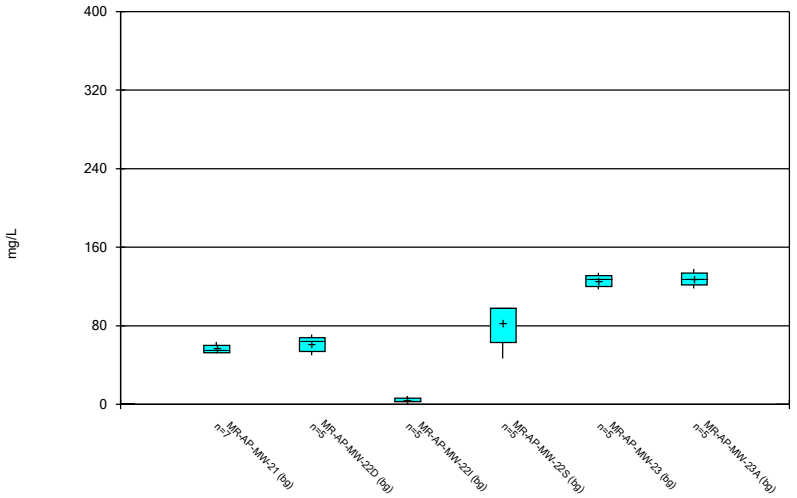
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

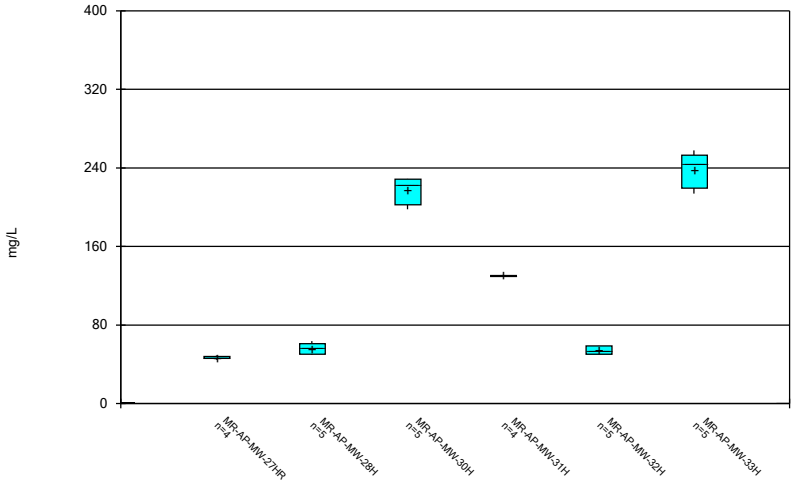
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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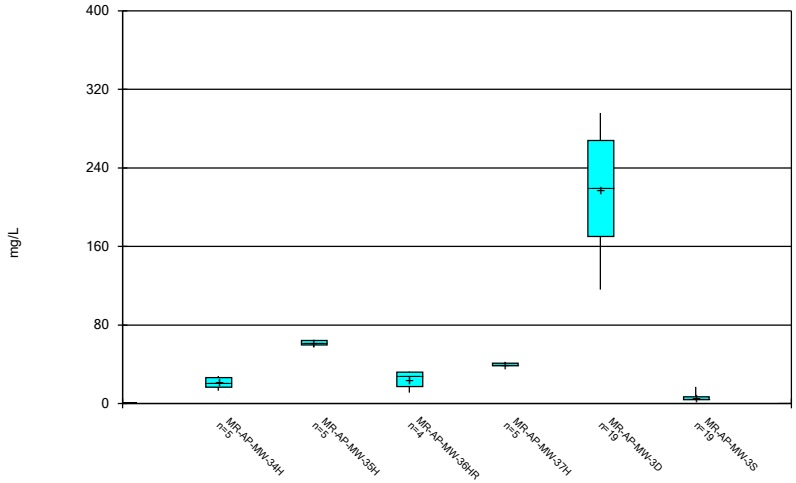
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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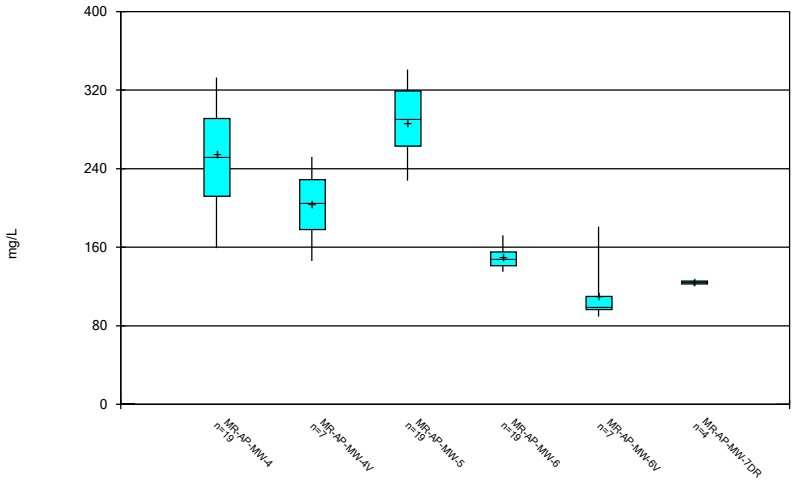
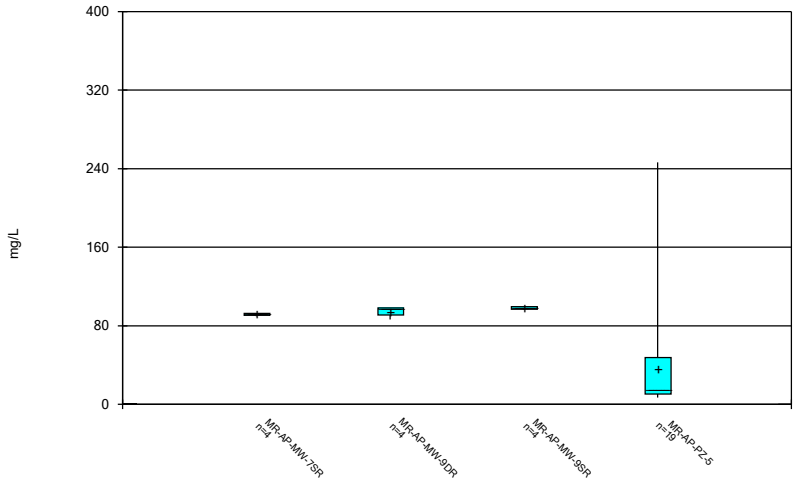
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

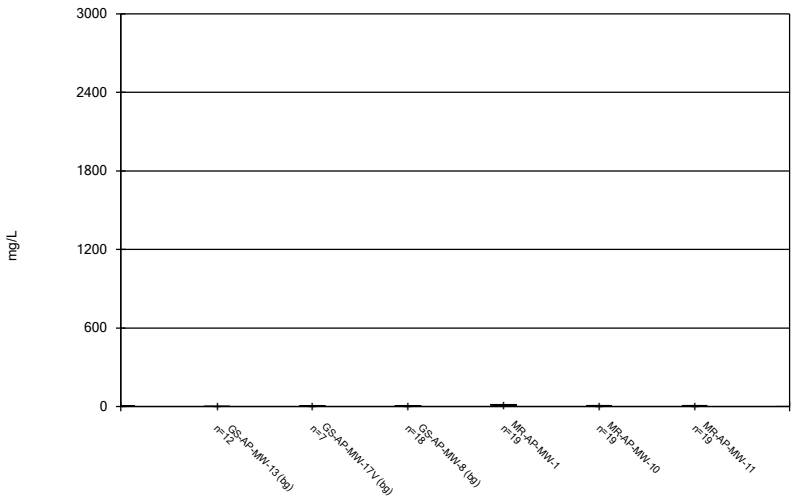
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

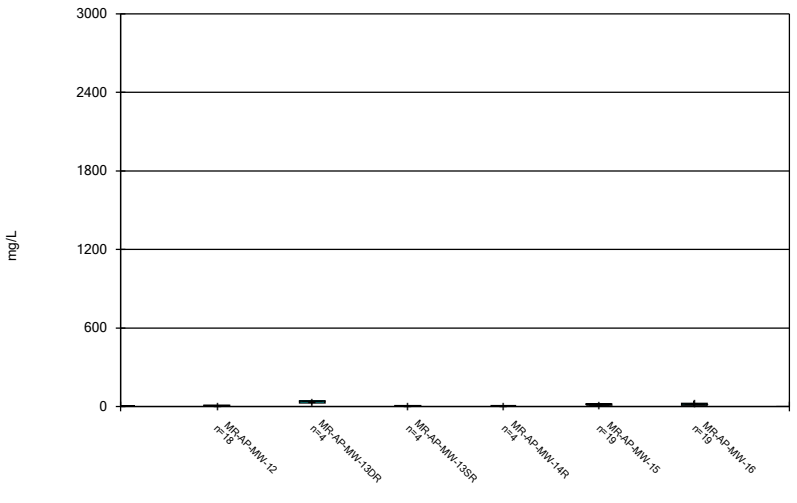
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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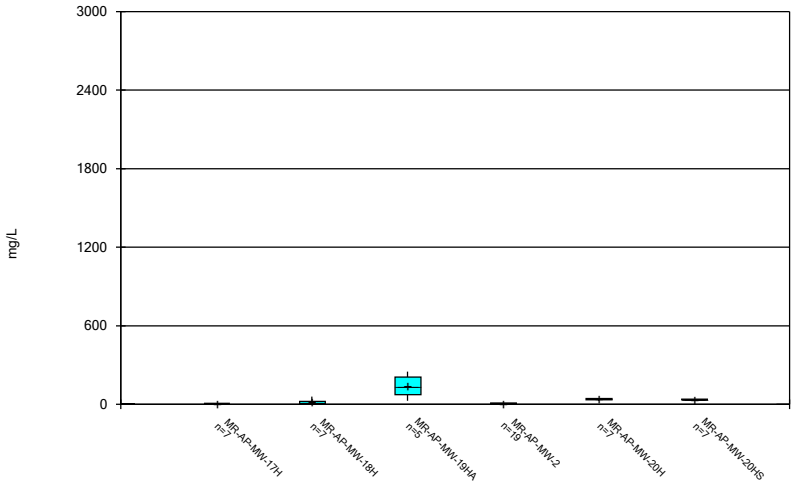

Constituent: Chloride, Total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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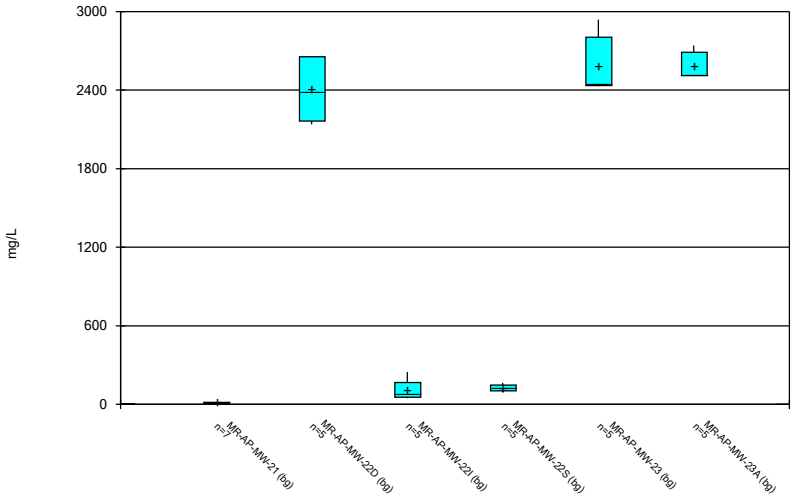

Constituent: Chloride, Total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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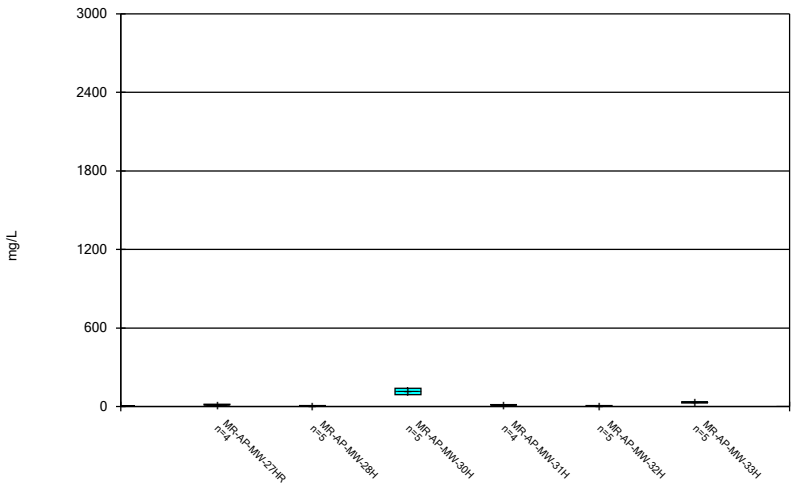
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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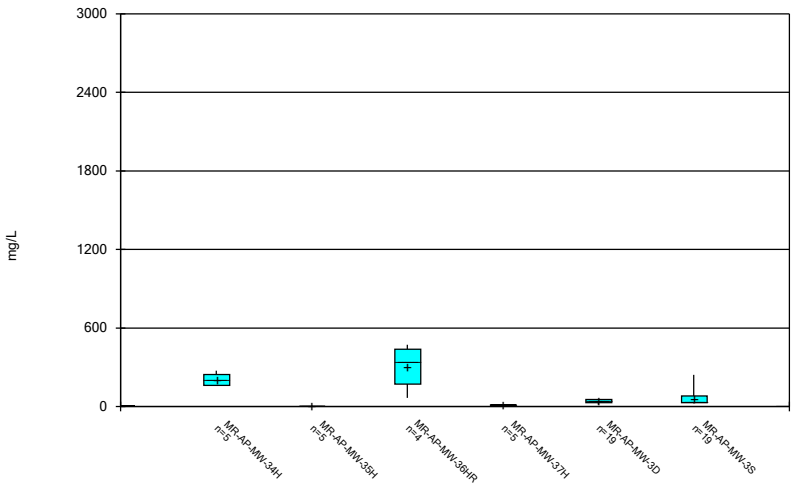
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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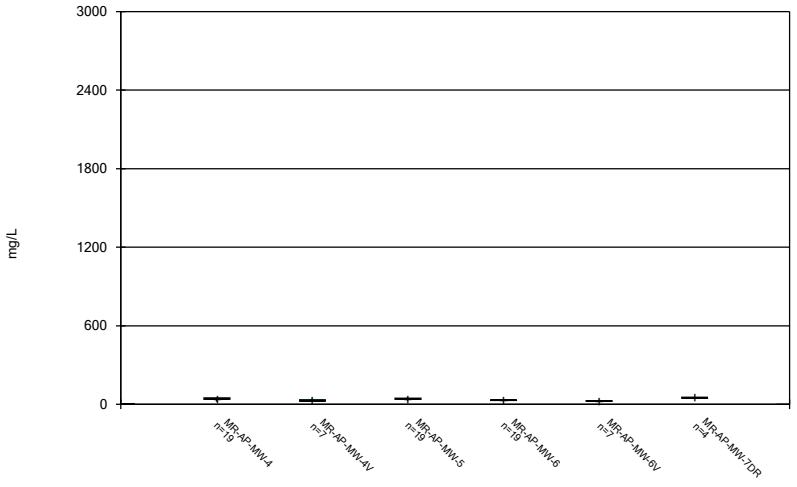
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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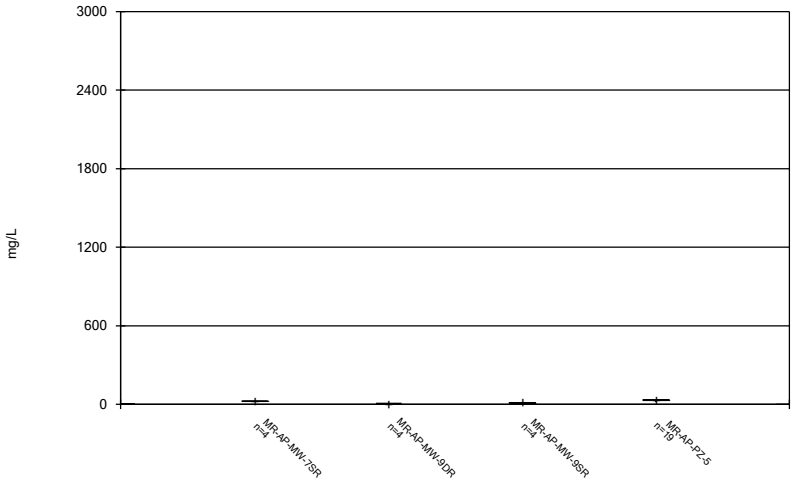

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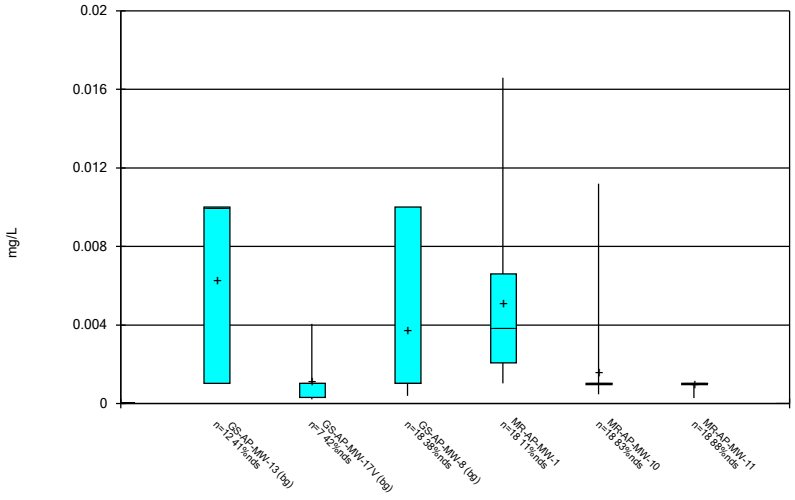
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

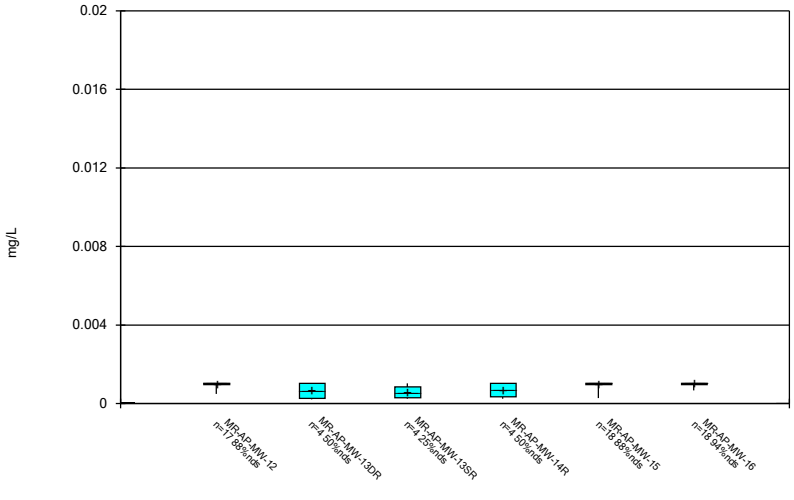
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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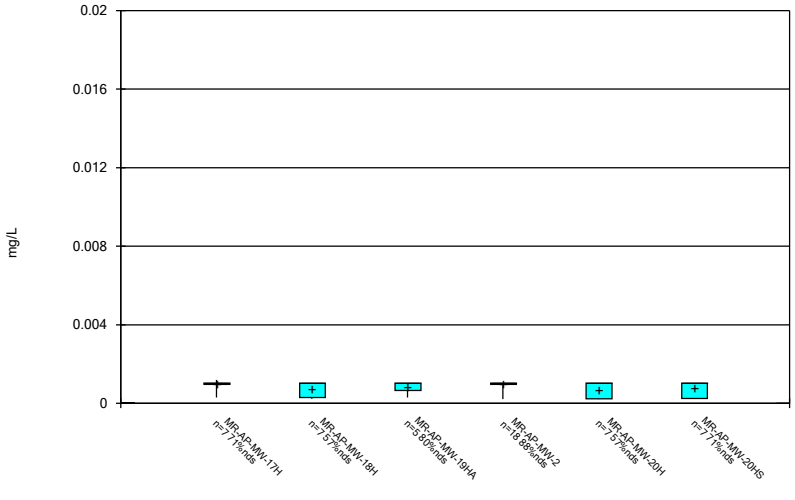

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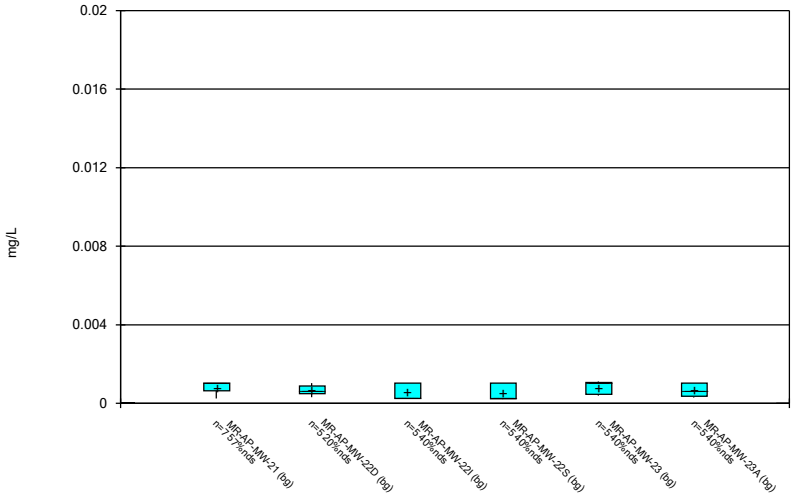

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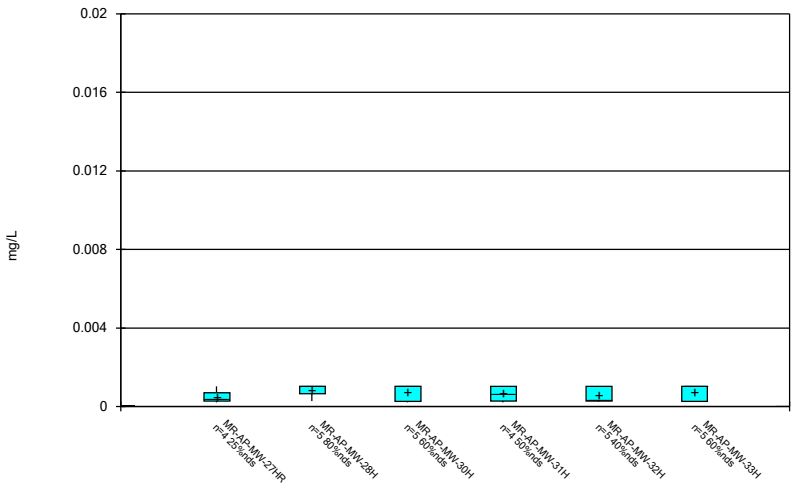

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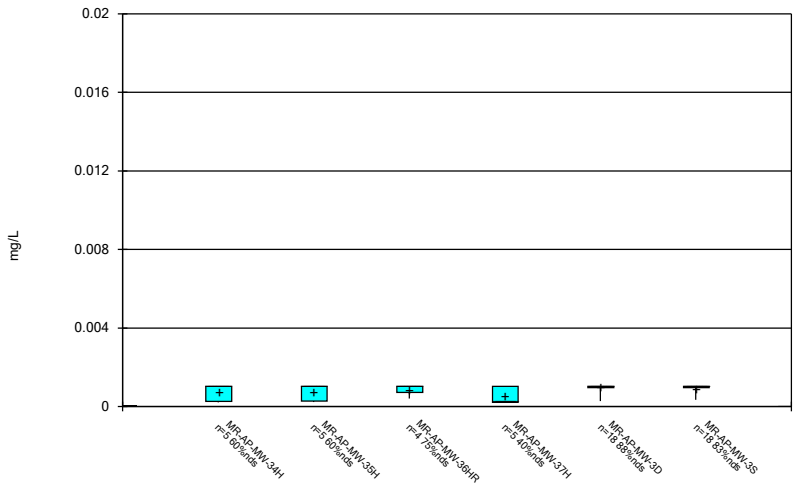

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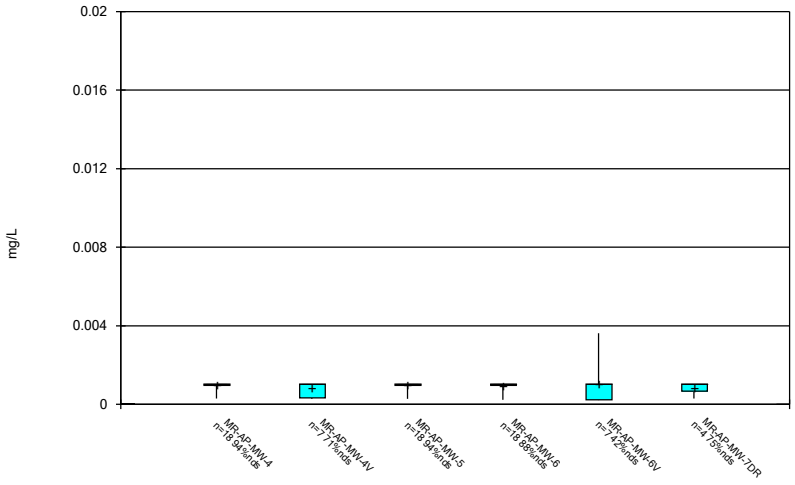

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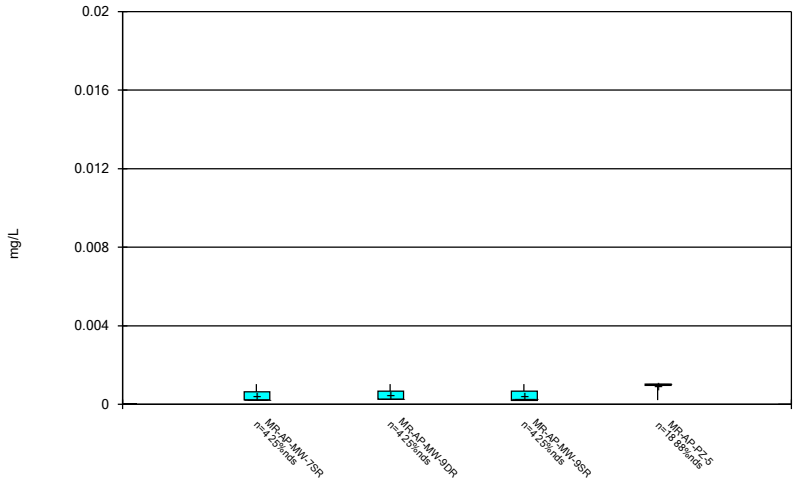
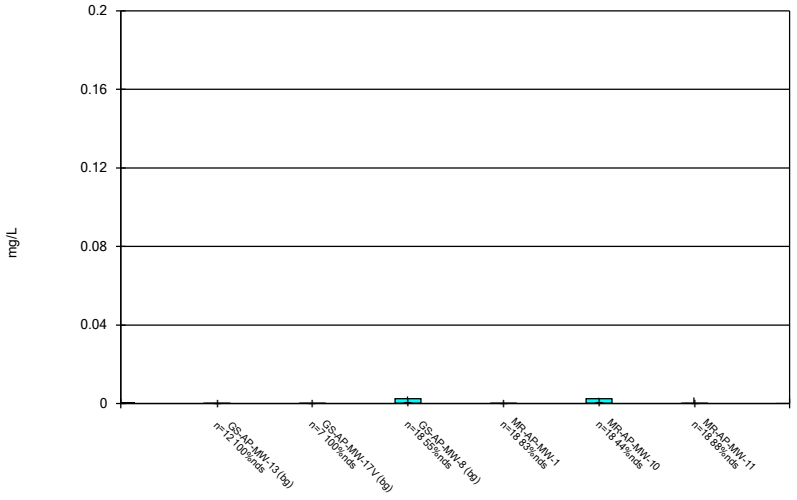


Constituent: Chromium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

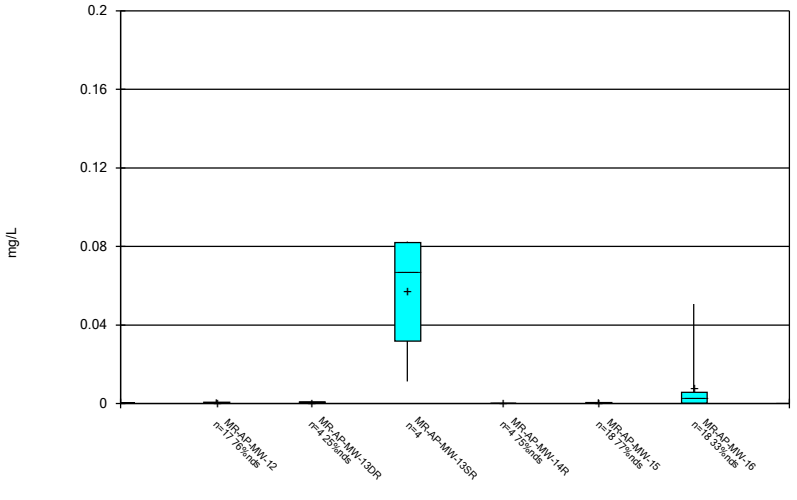
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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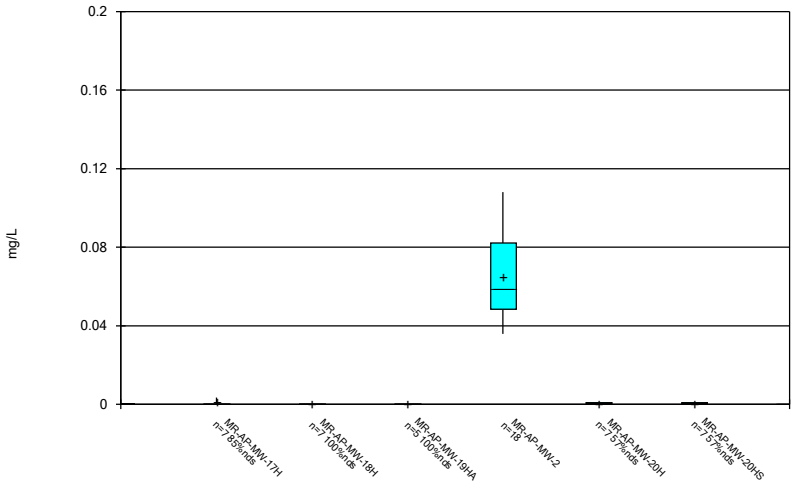

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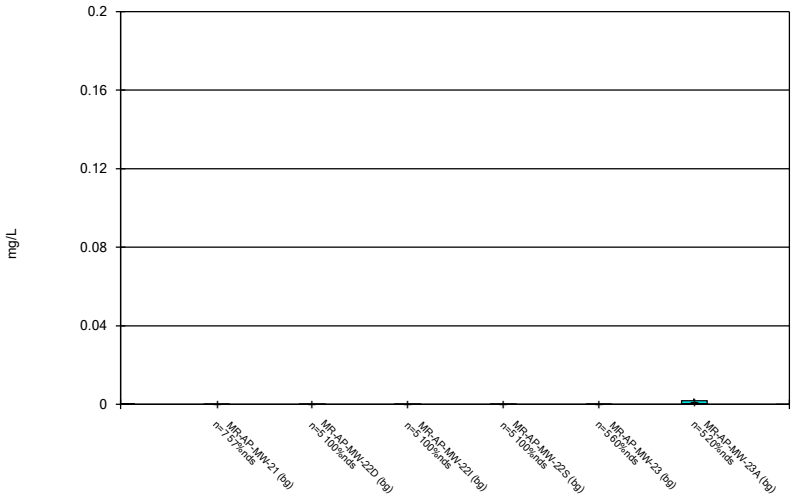

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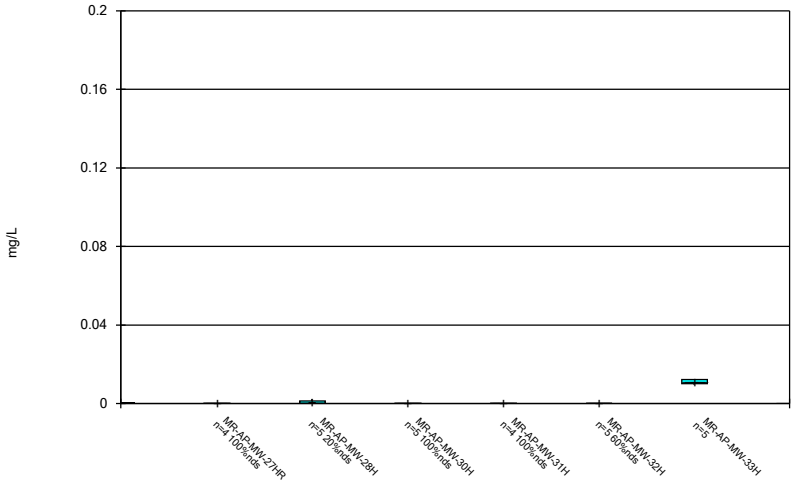

Constituent: Cobalt Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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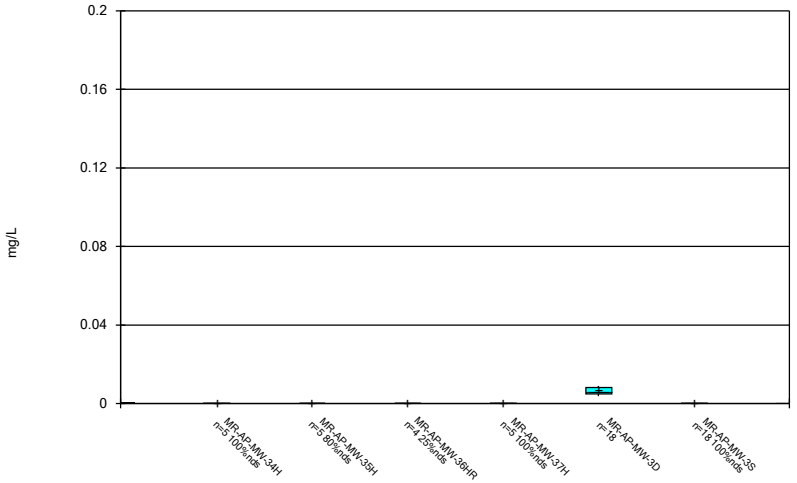

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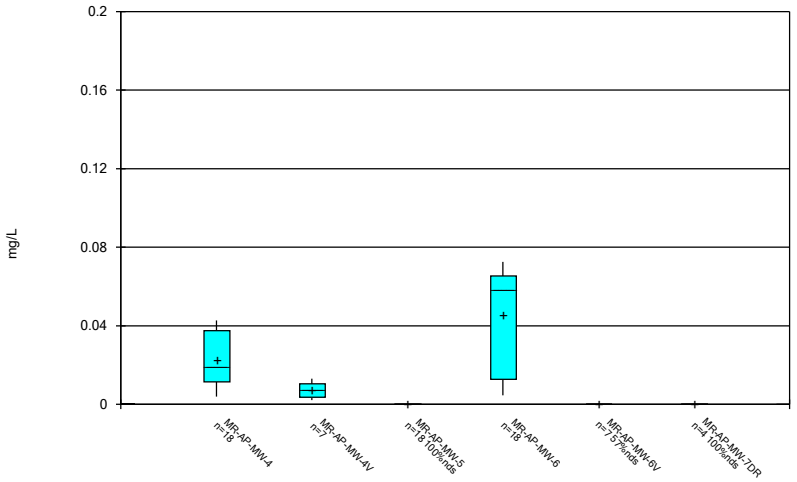

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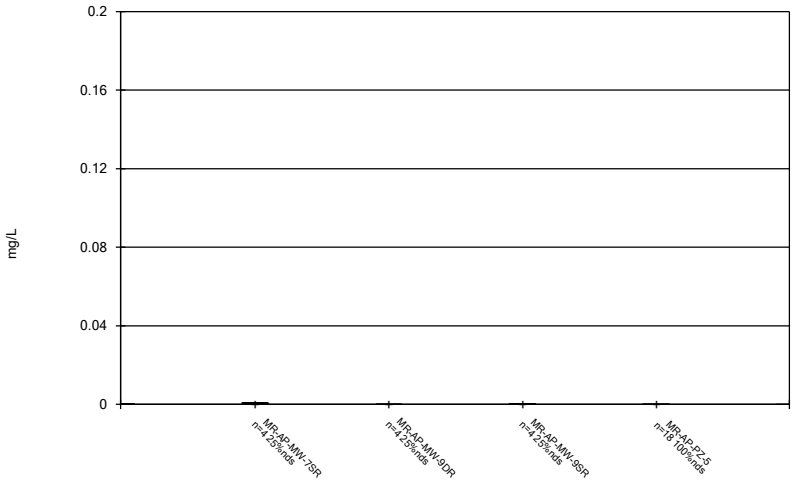
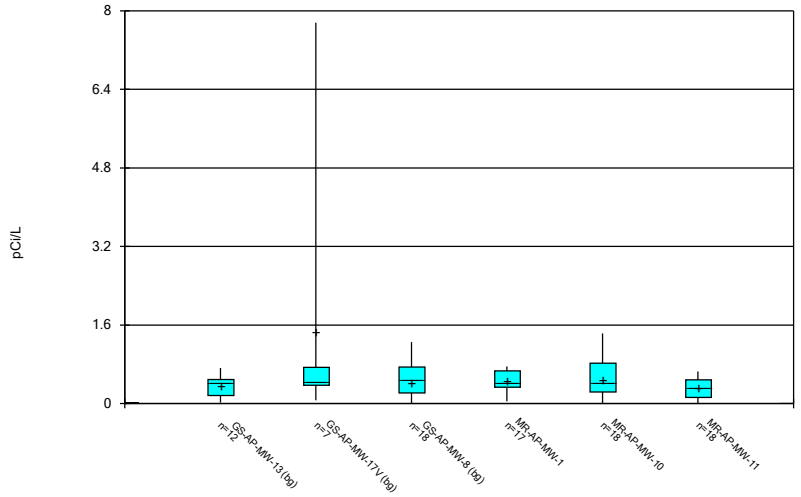


Constituent: Cobalt Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

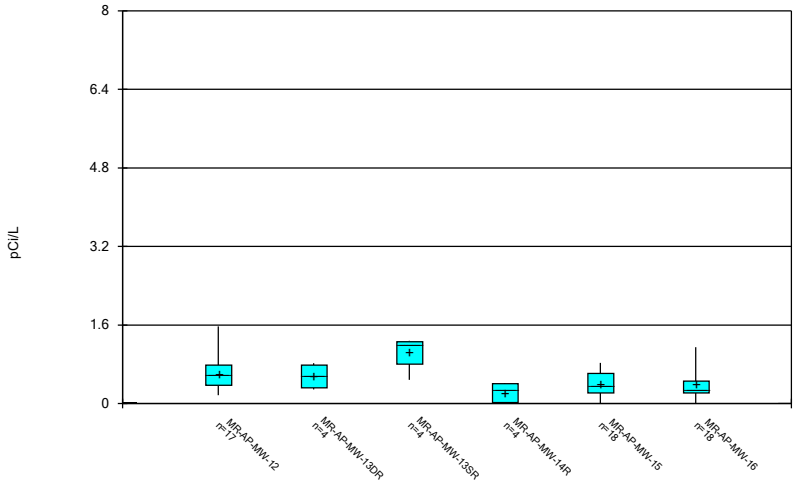
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

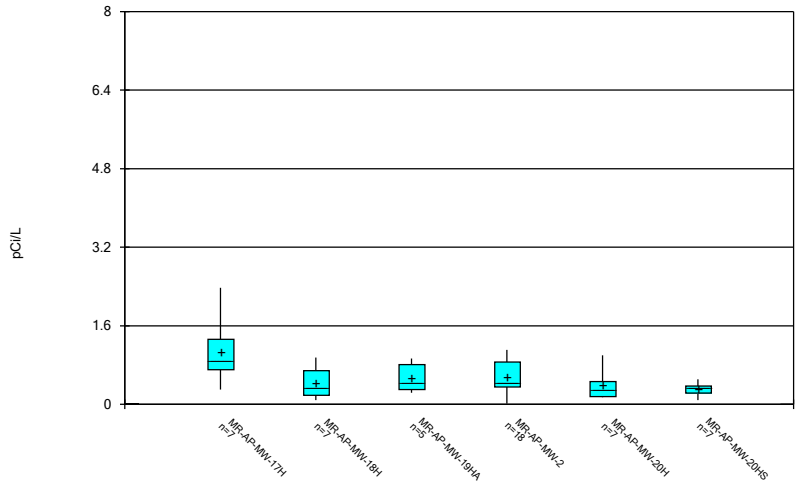
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

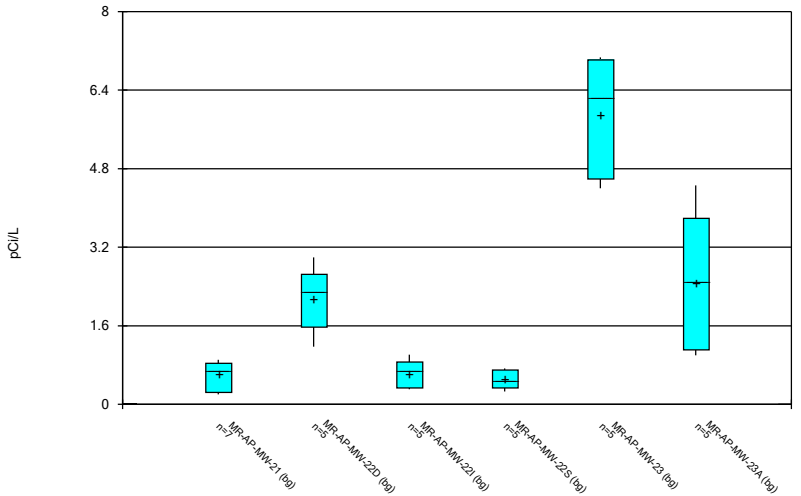
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

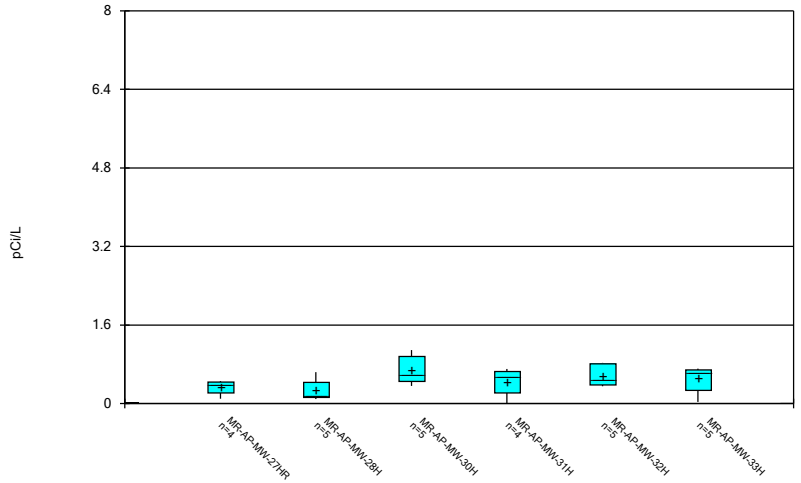
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

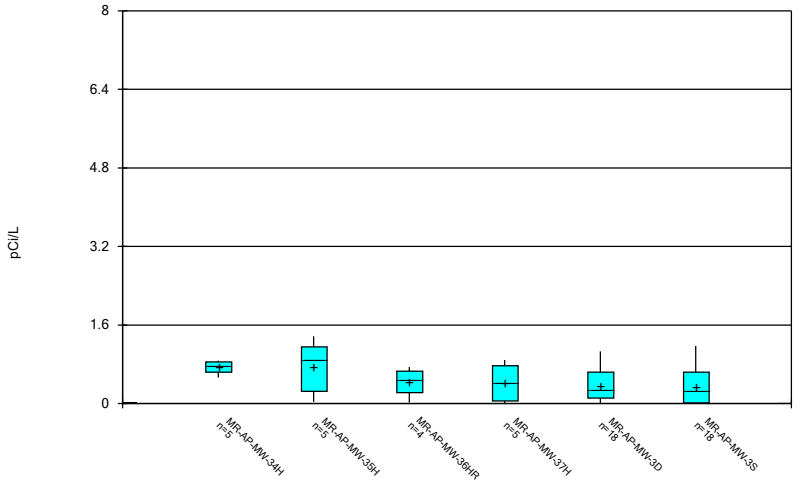
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

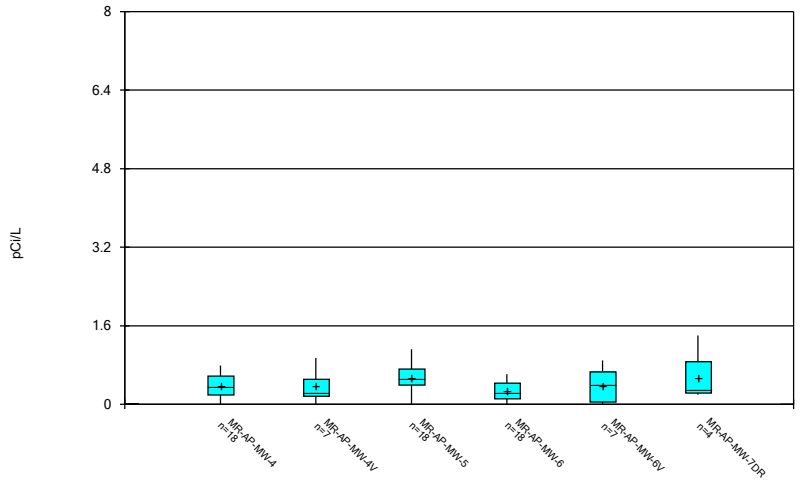
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

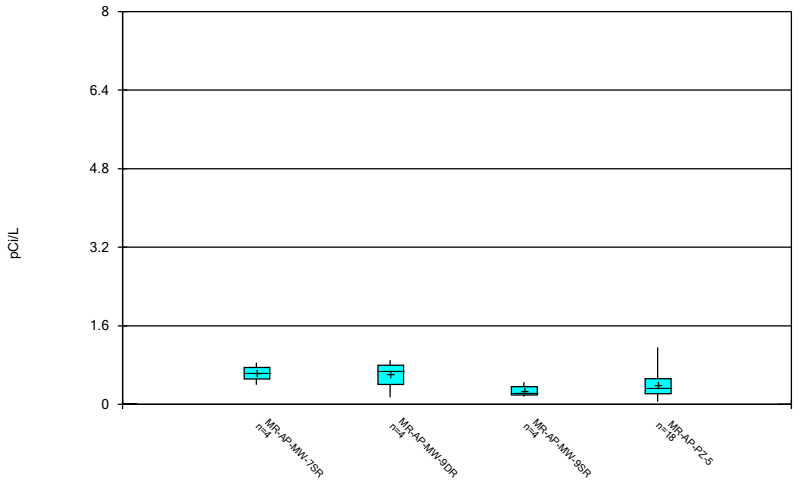
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

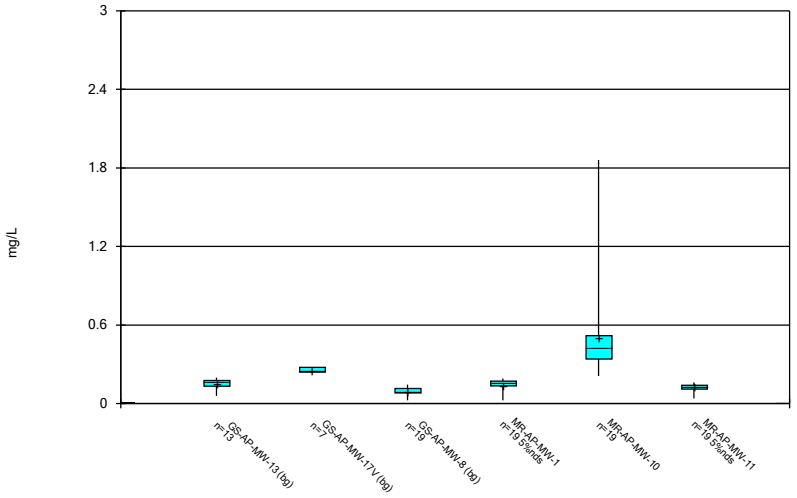
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

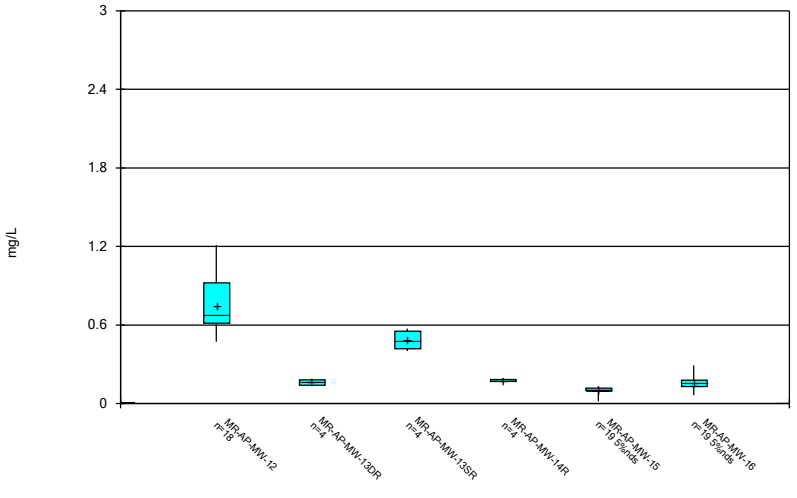
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

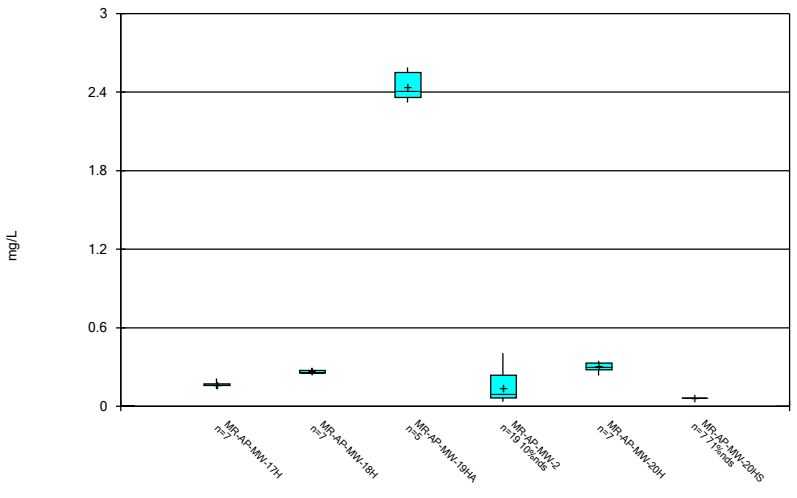
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

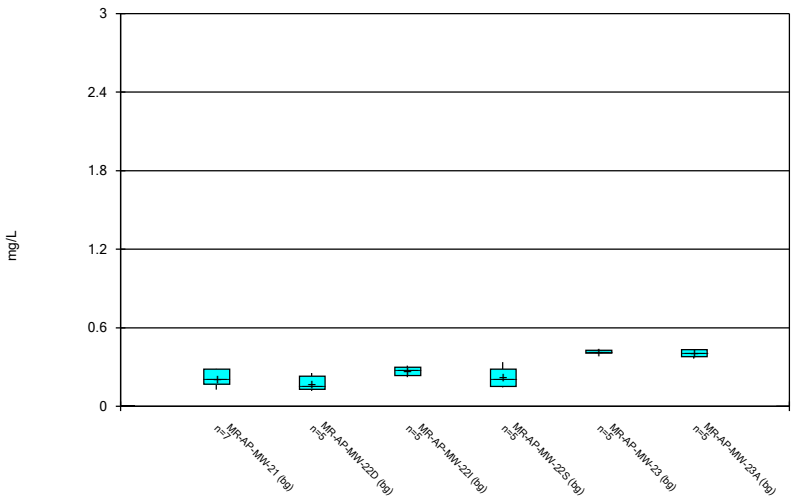
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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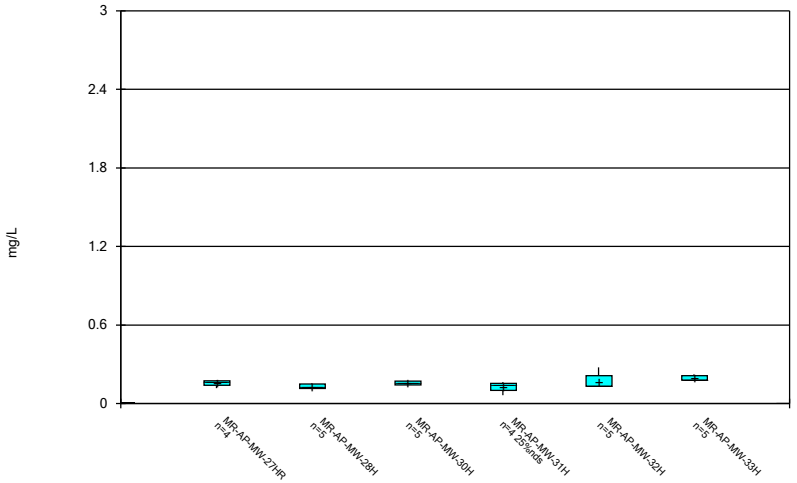
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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Sanitas™ v.9.6.33 . UG

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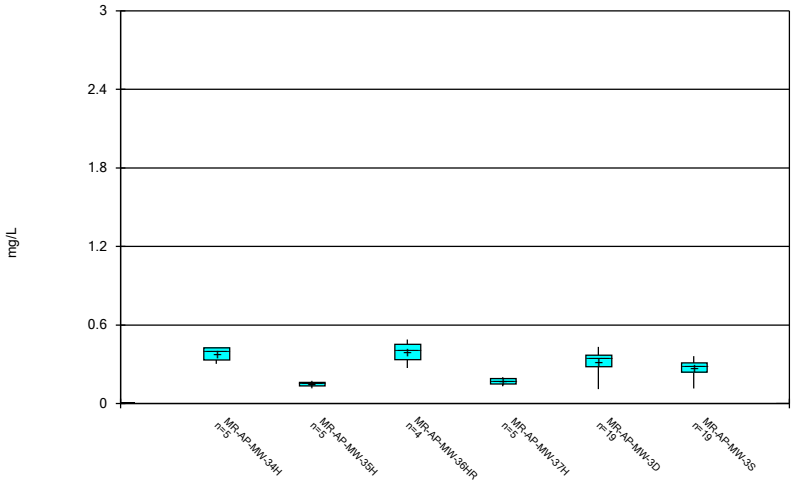
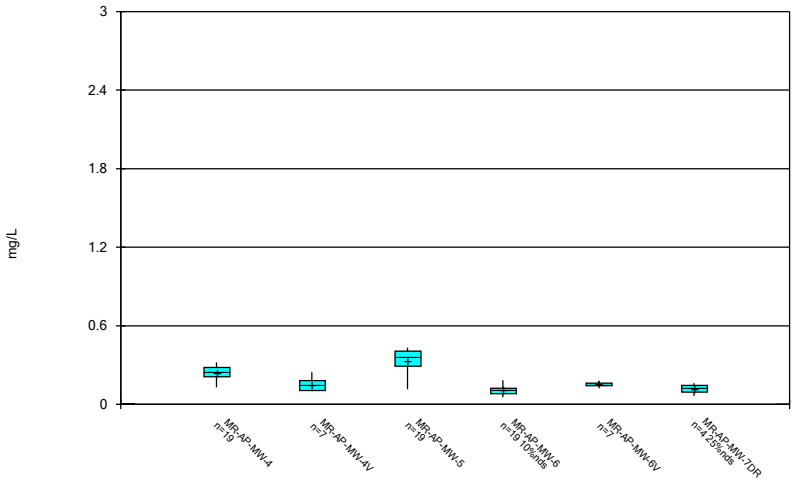


Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

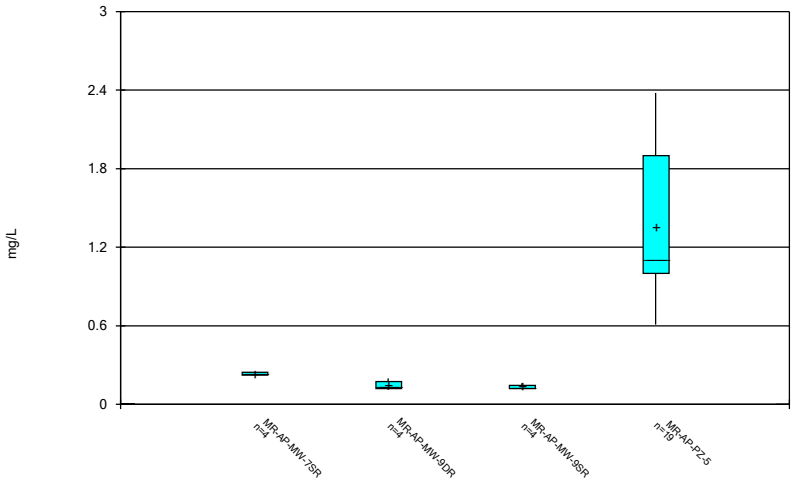
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

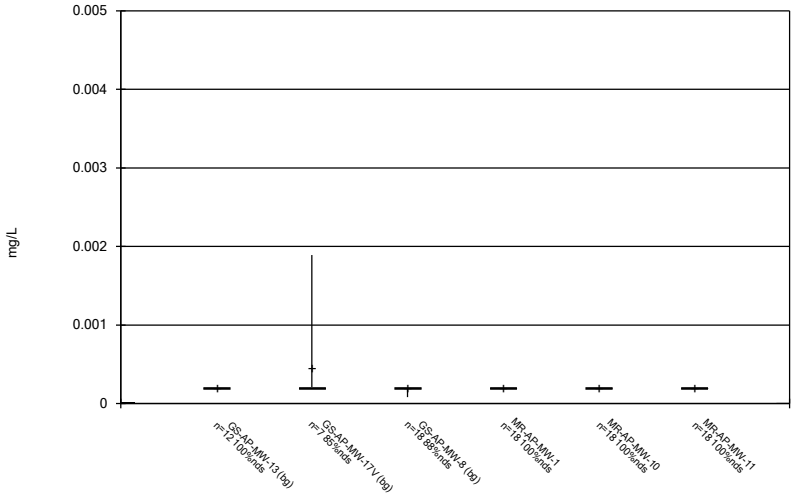
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

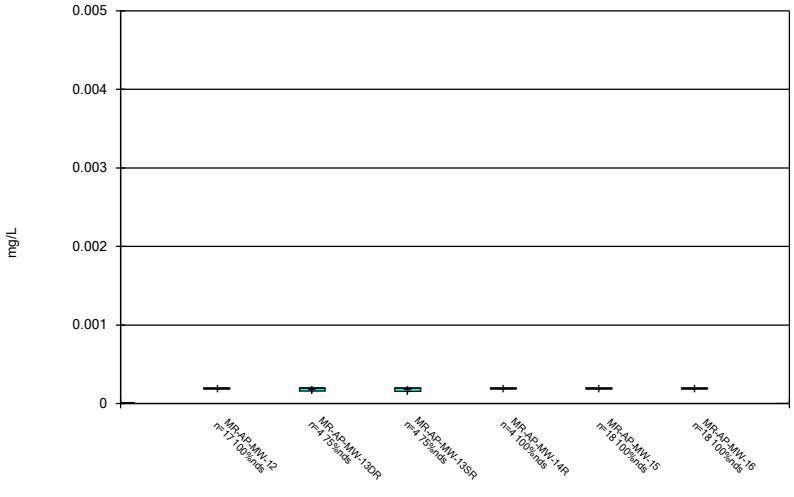
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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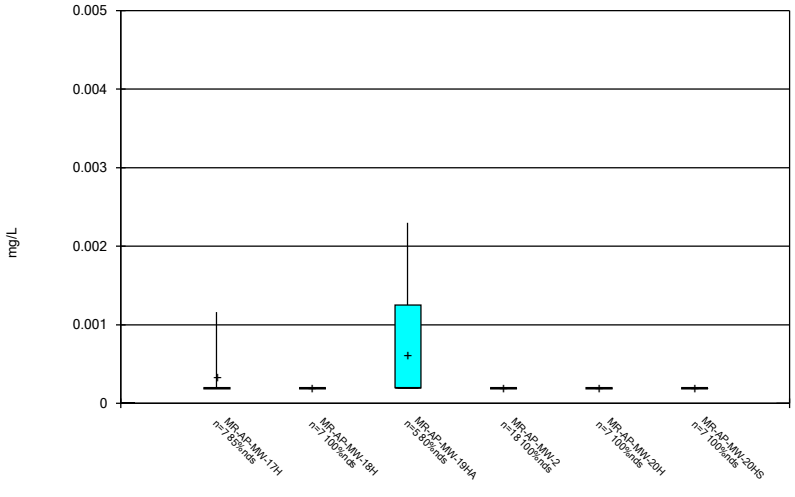
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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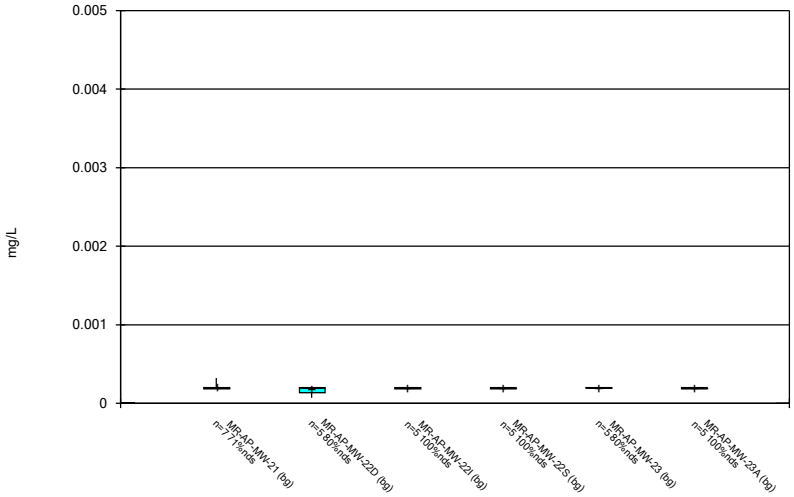
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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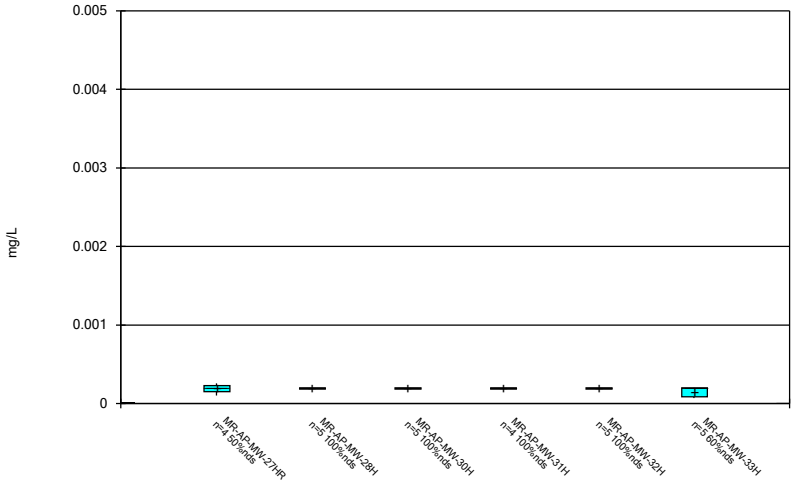

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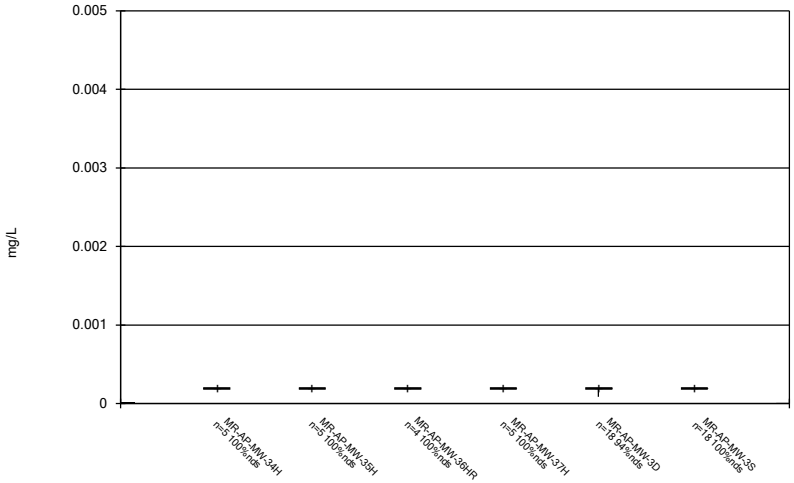
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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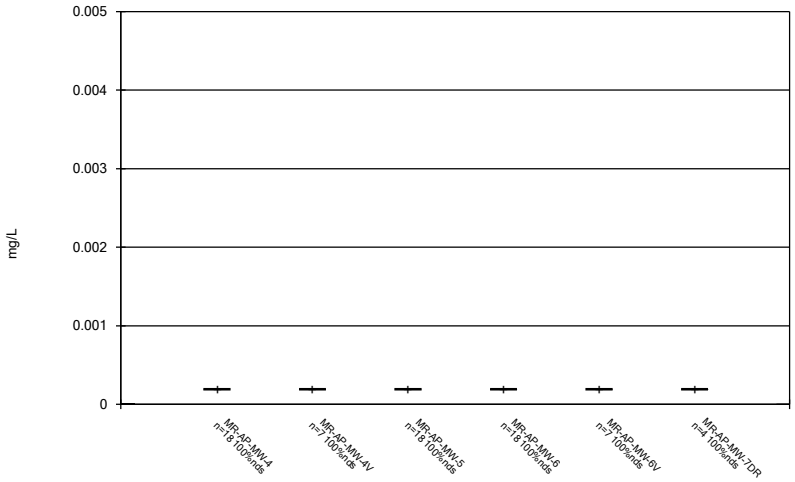
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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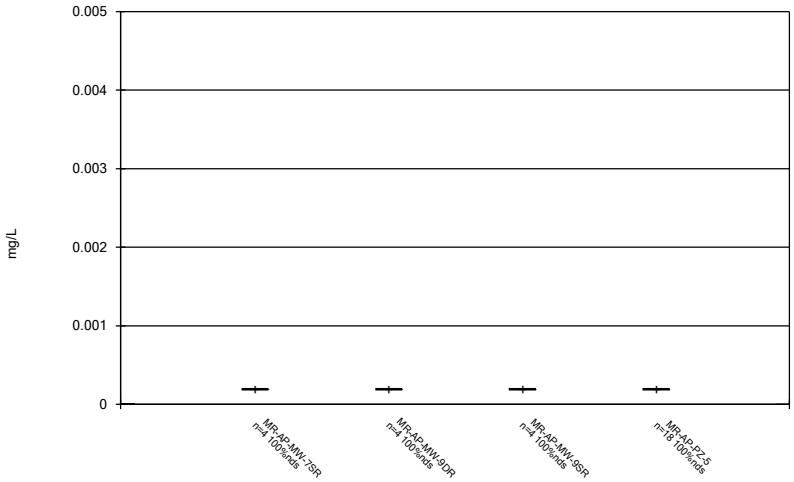
Box & Whiskers Plot



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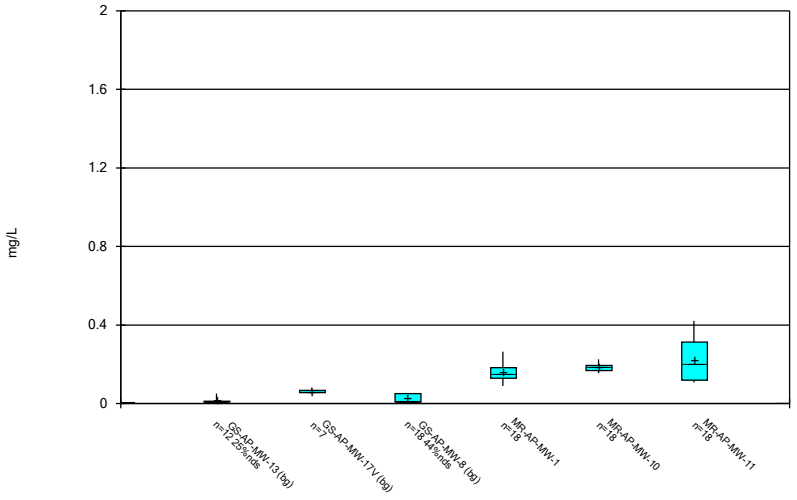
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

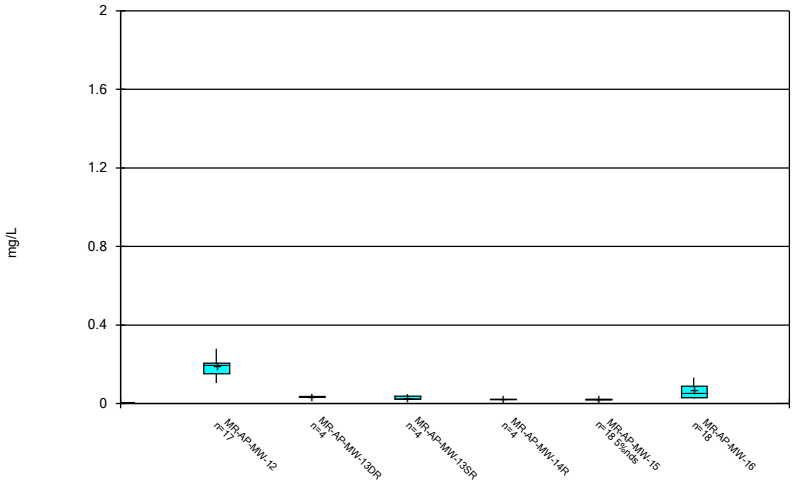
Box & Whiskers Plot



Constituent: Lithium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Lithium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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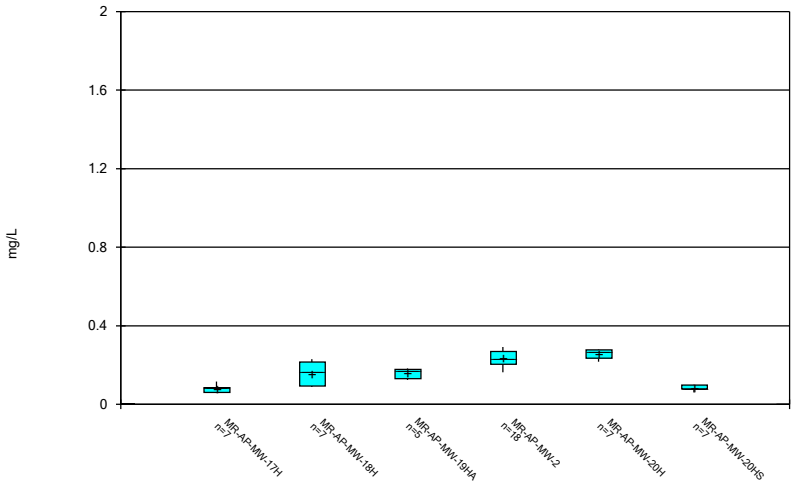

Constituent: Lithium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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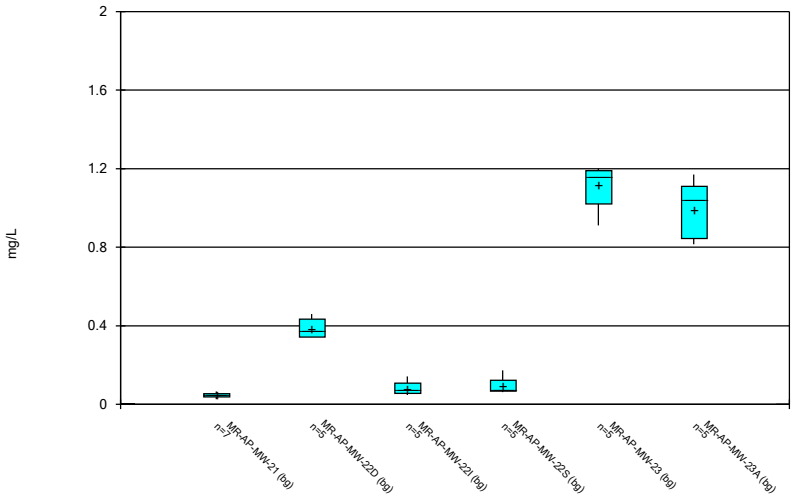

Constituent: Lithium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

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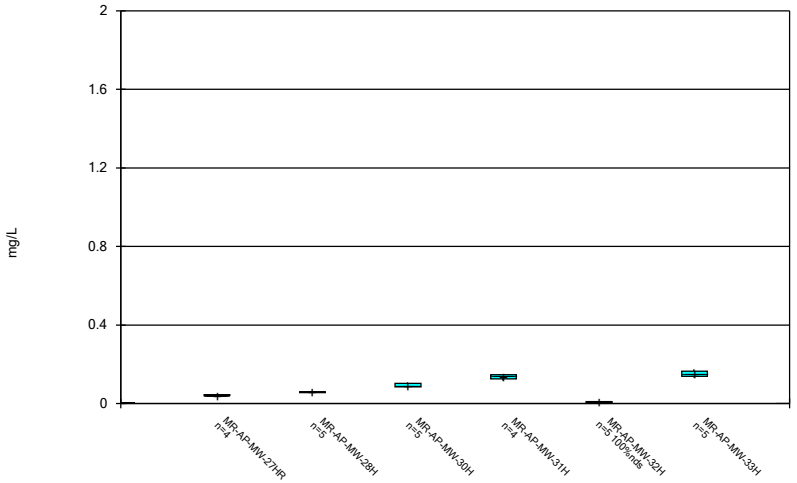

Constituent: Lithium Analysis Run 5/17/2022 5:15 PM View: Time Series and Box Plots
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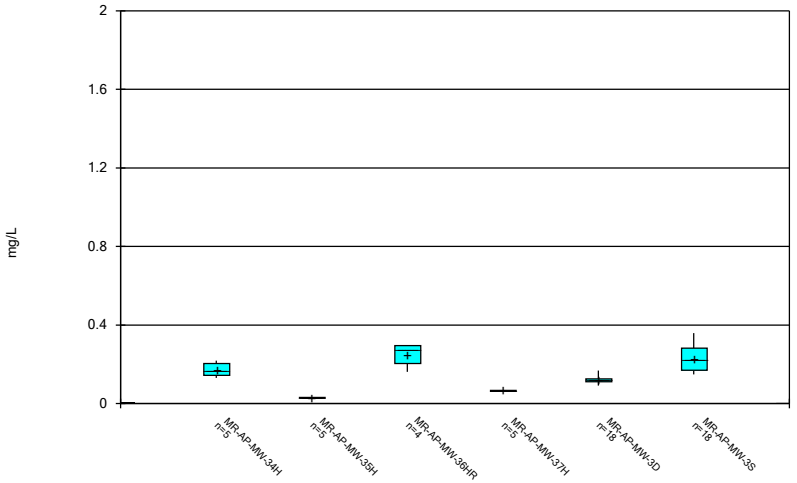

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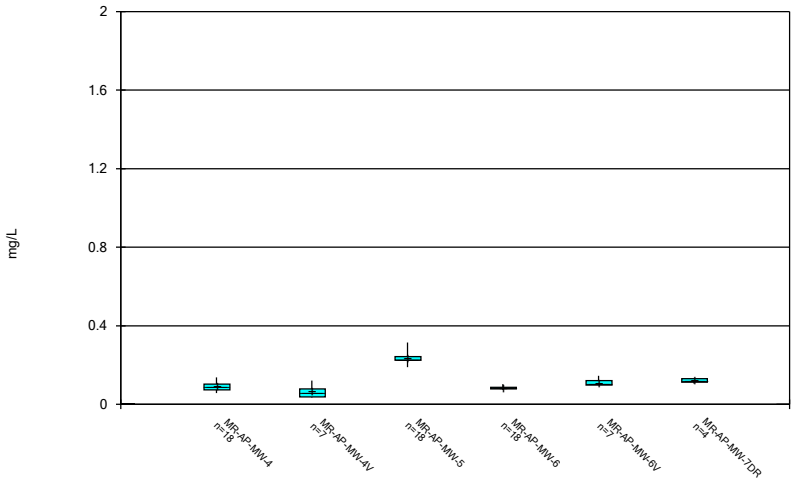

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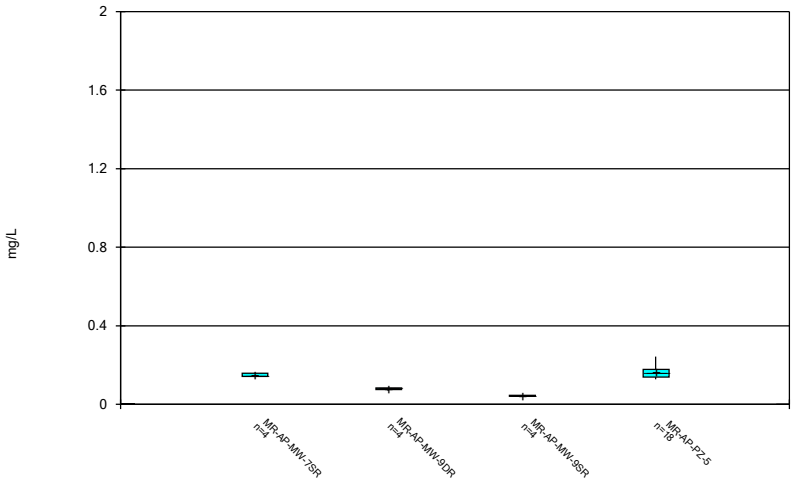

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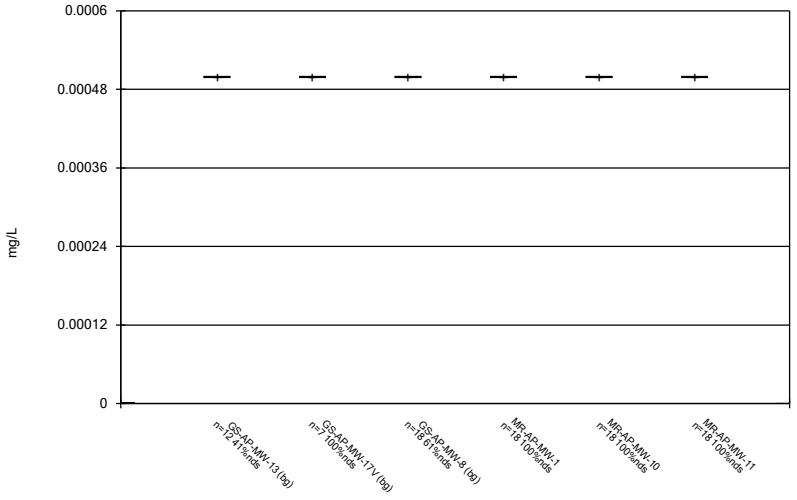
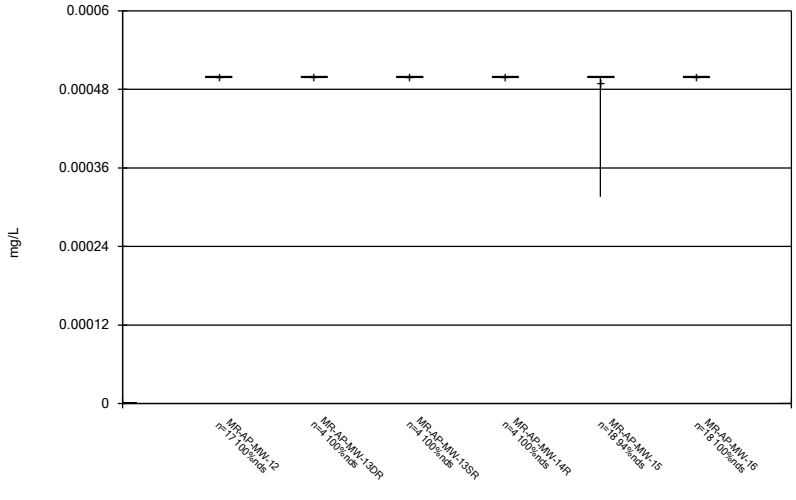


Constituent: Mercury Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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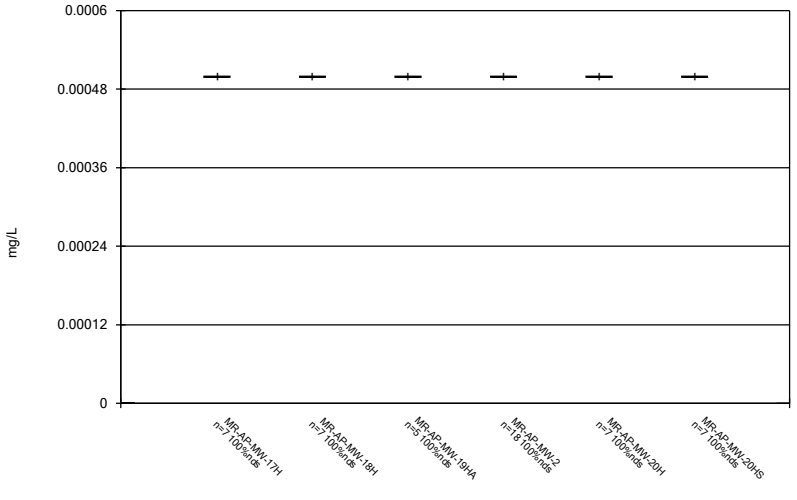

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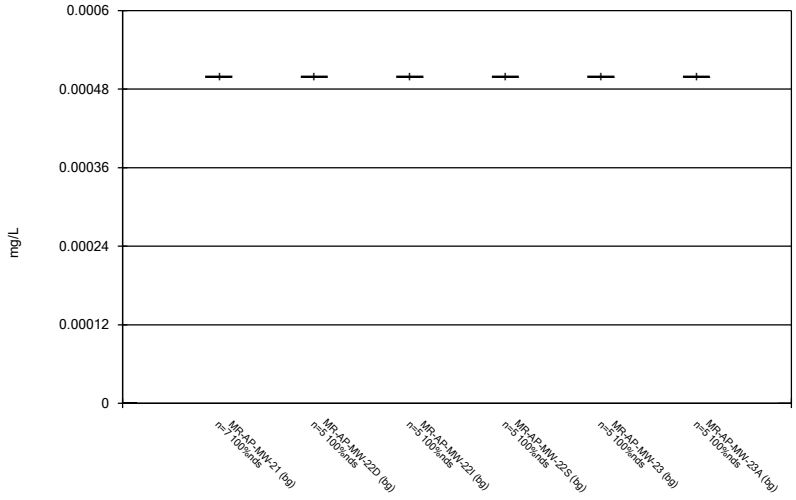

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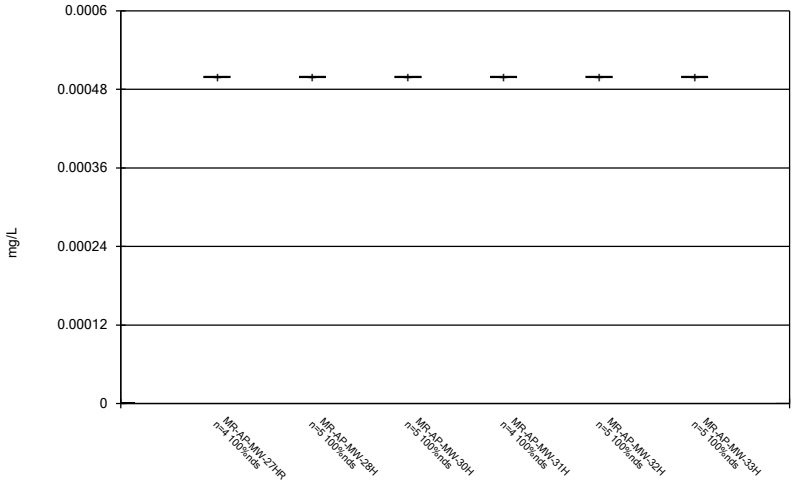

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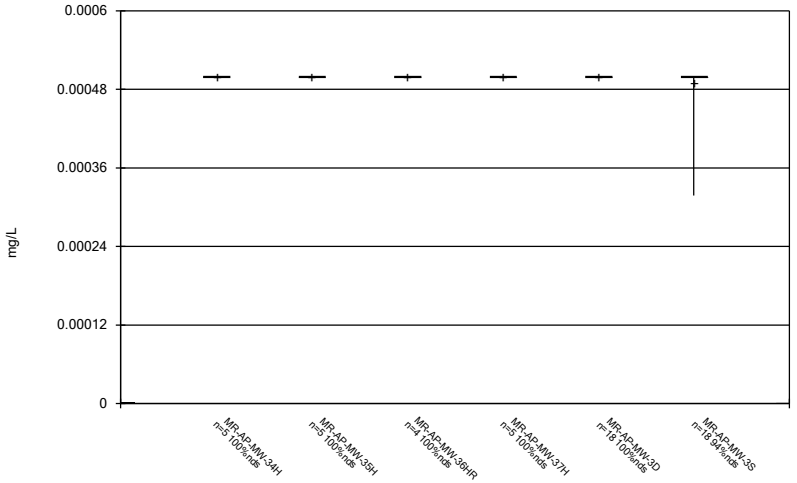

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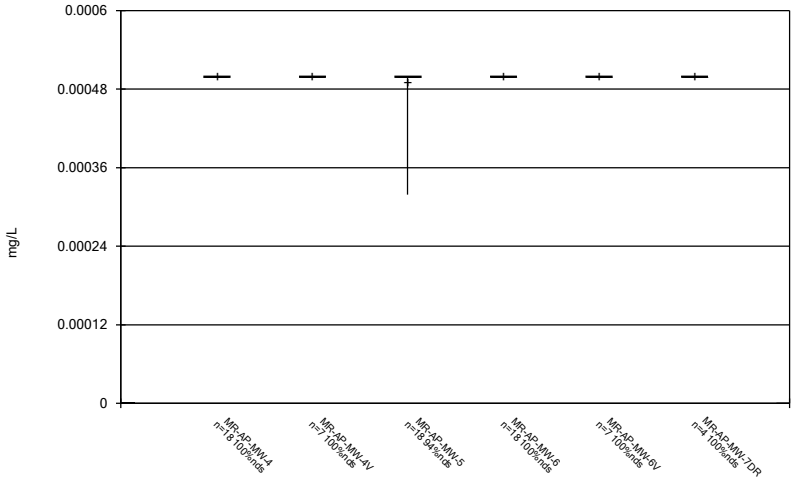

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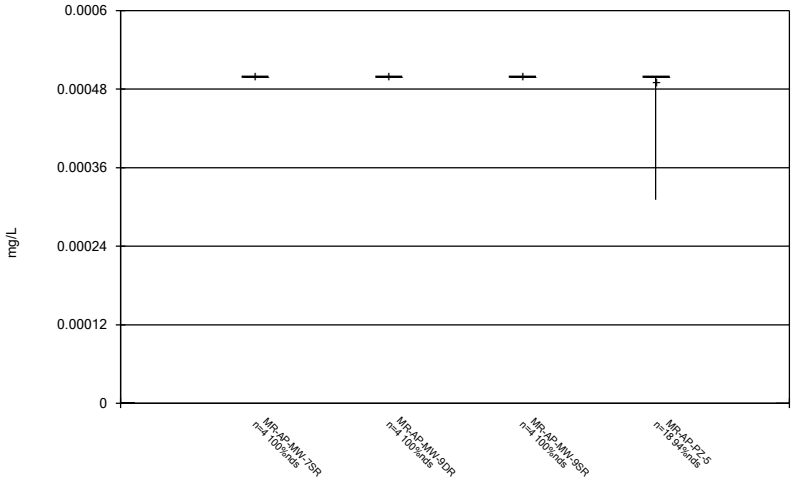

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Sanitas™ v.9.6.33 . UG

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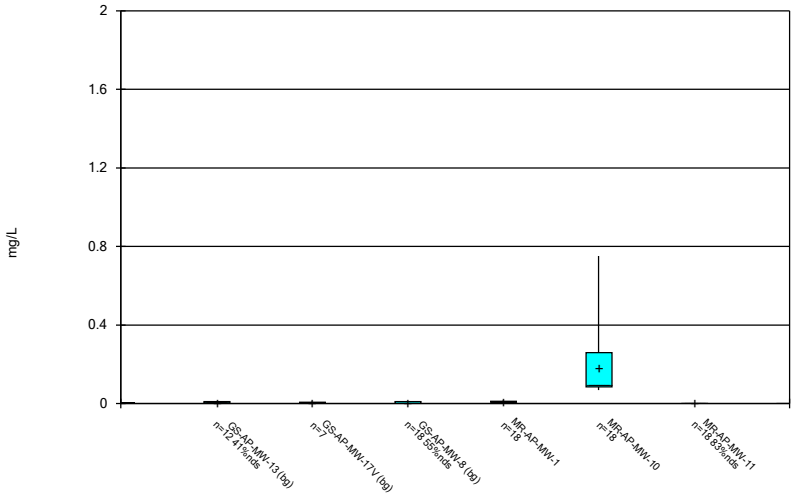
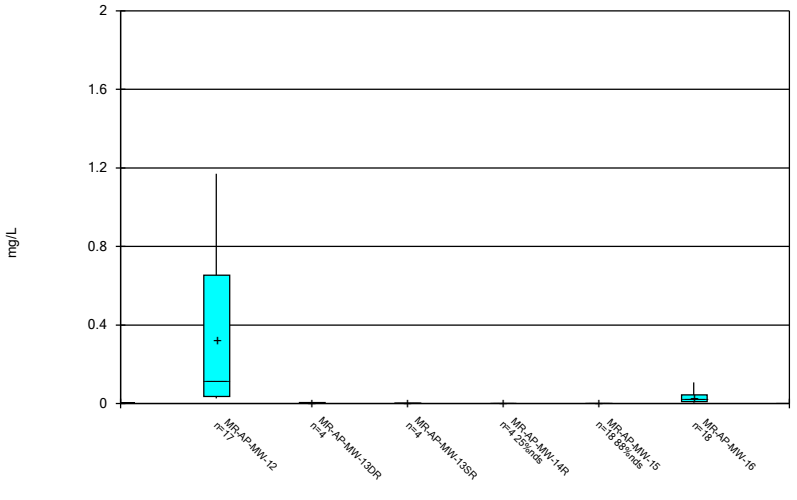


Constituent: Molybdenum Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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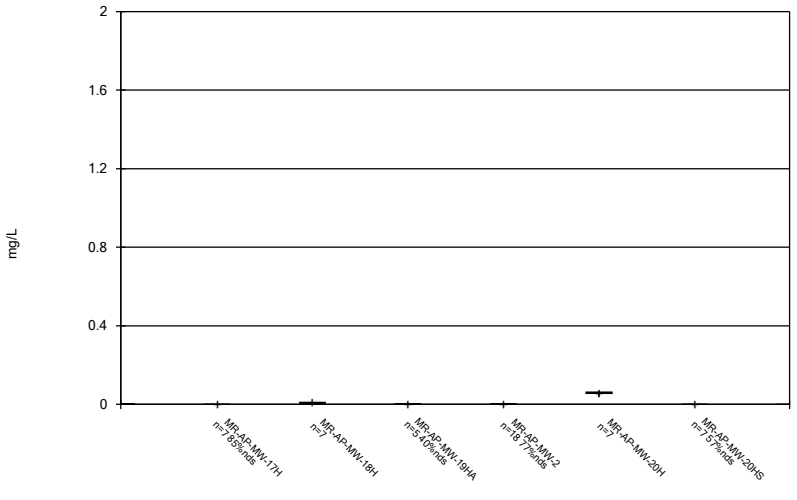

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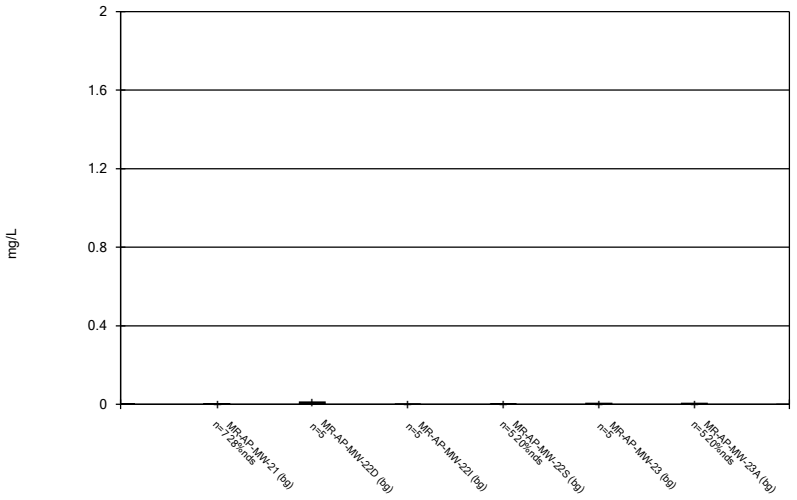

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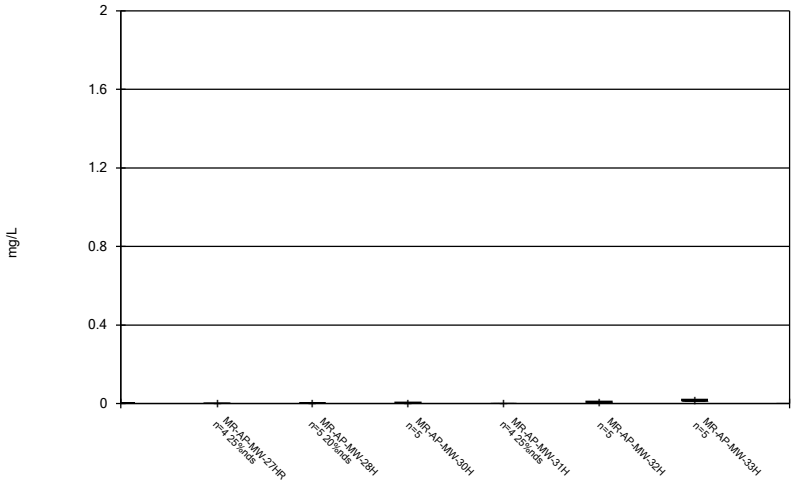

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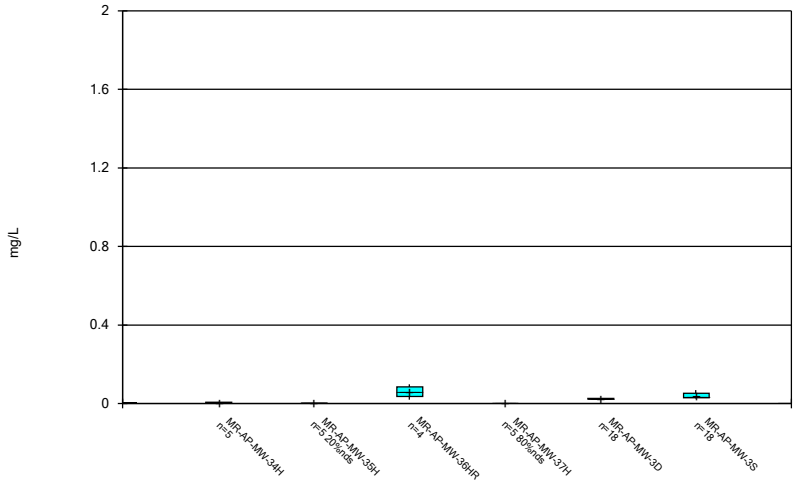

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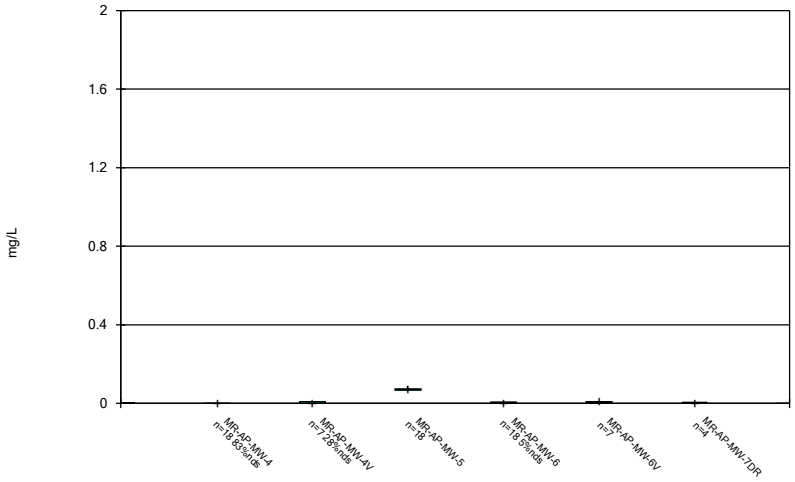
Sanitas™ v.9.6.33 . UG

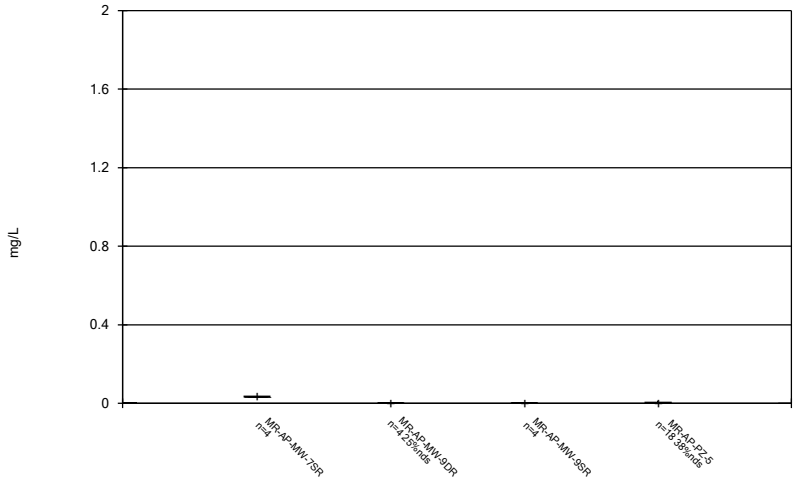
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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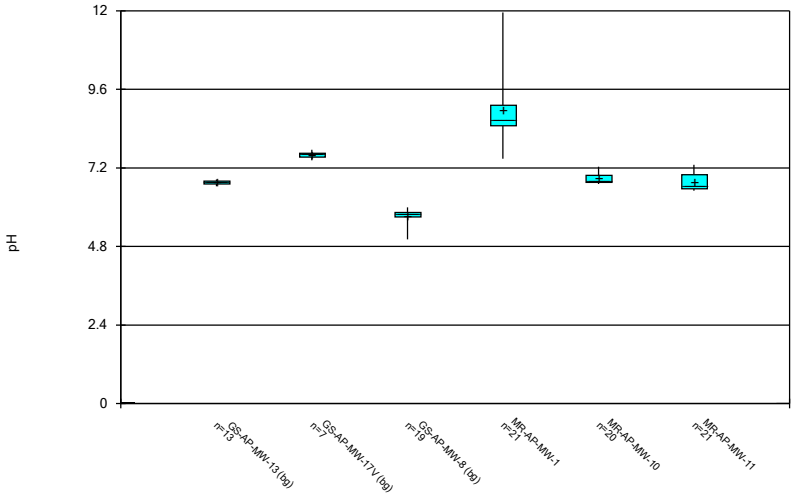
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

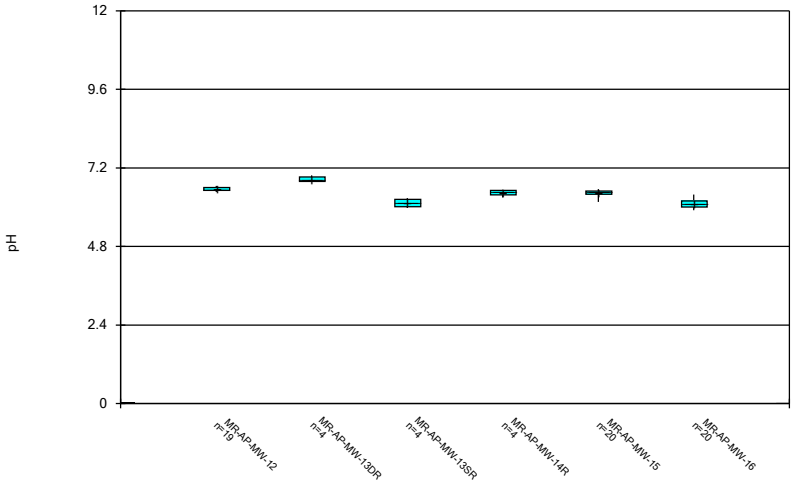
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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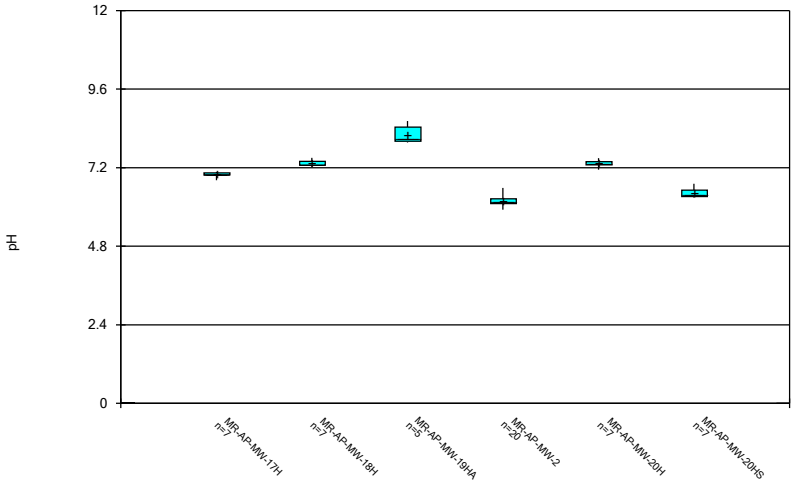
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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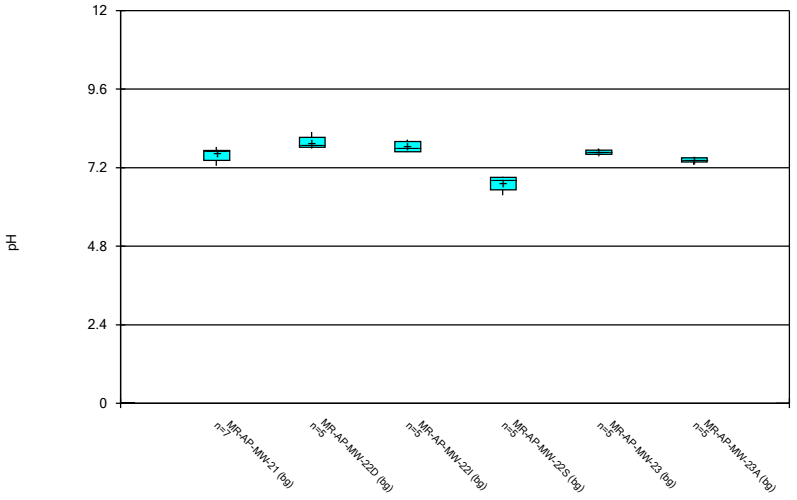
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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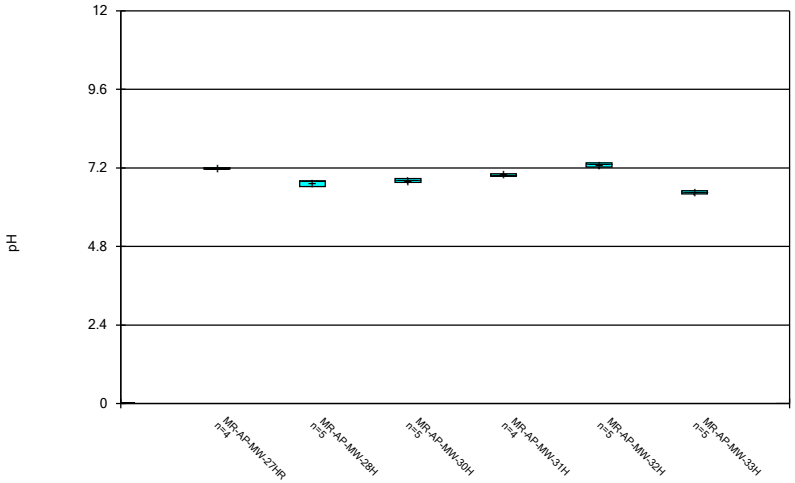
Box & Whiskers Plot



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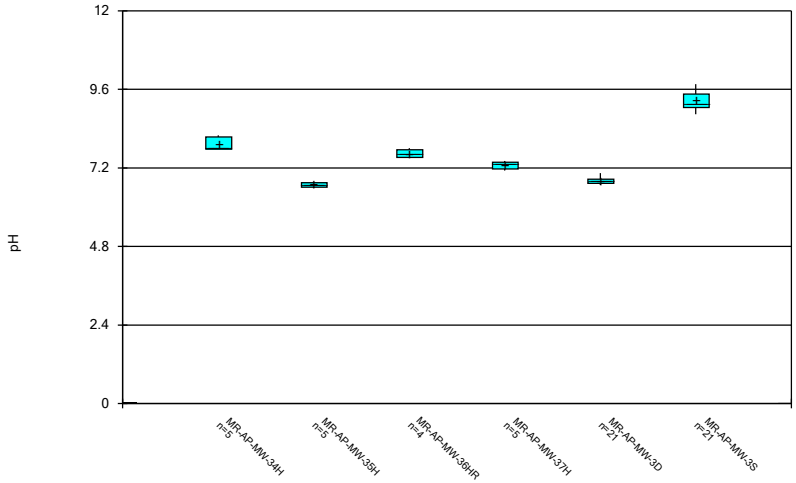

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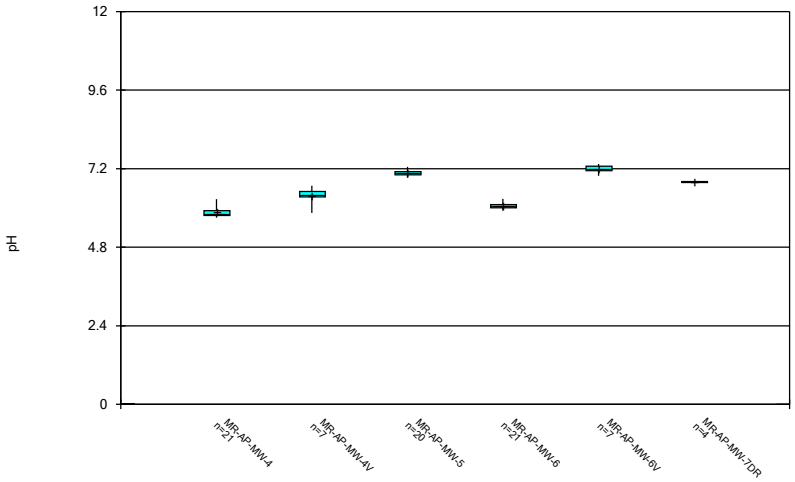
Box & Whiskers Plot



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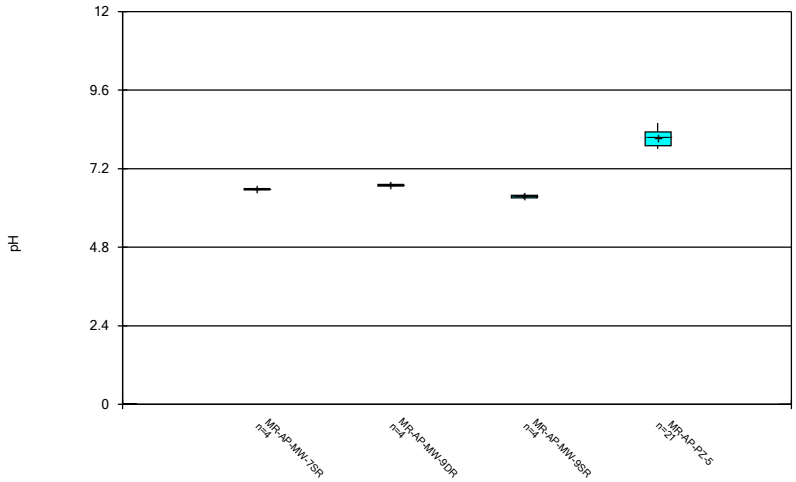
Box & Whiskers Plot



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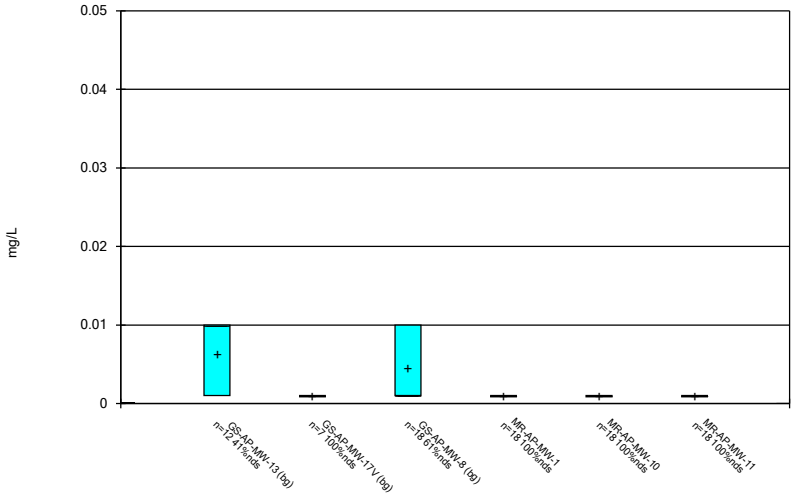
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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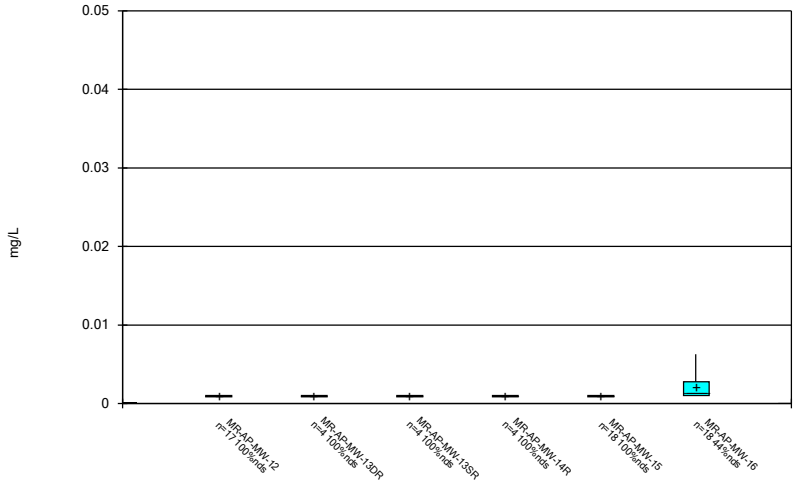
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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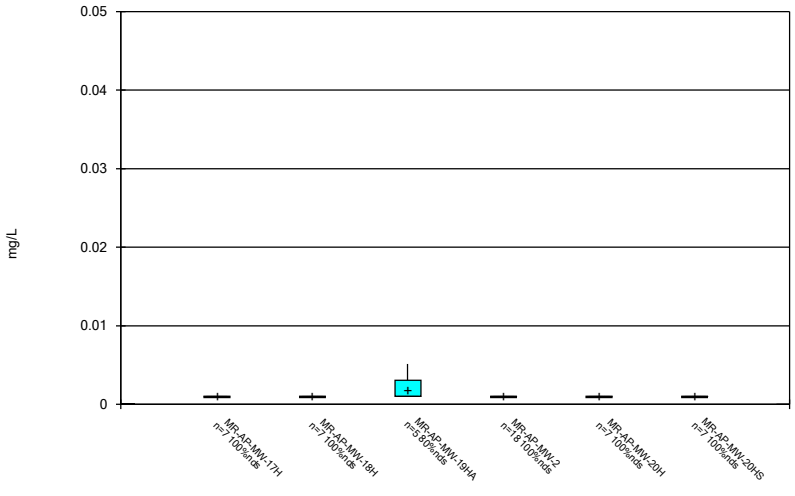

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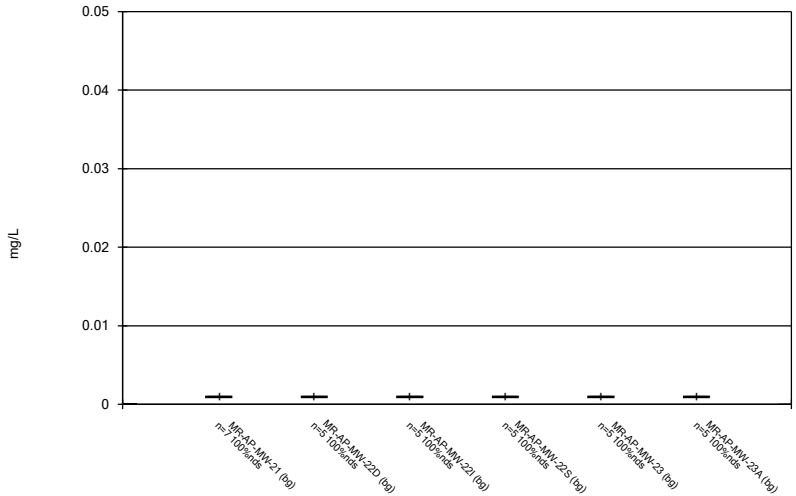

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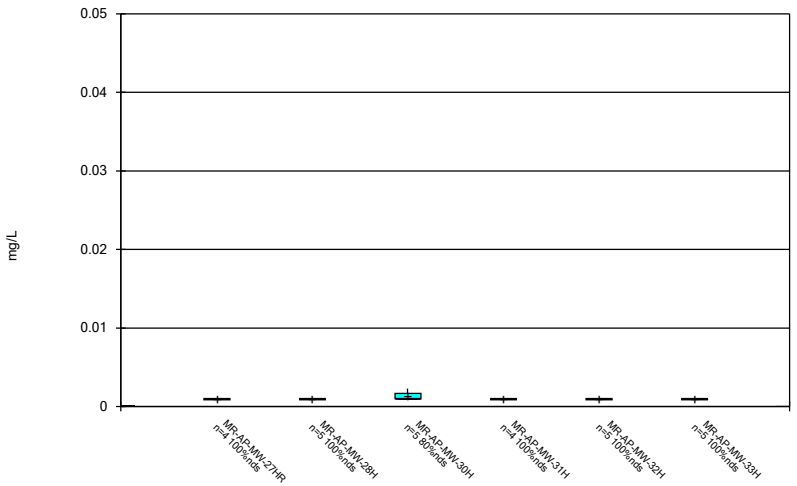

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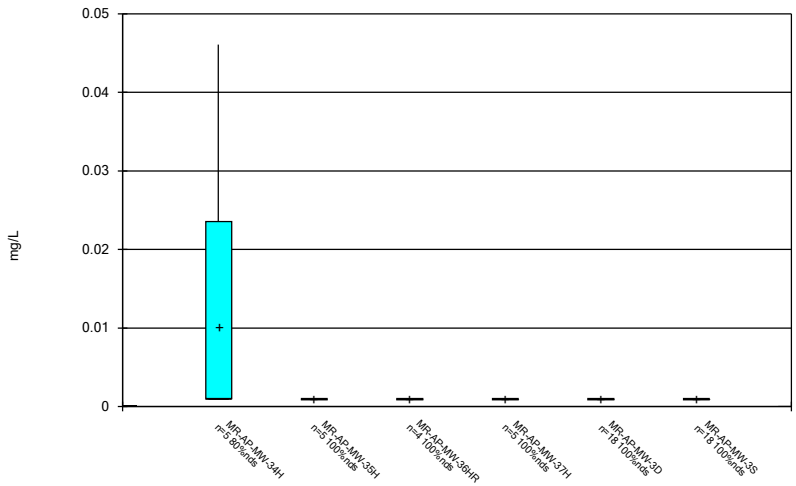

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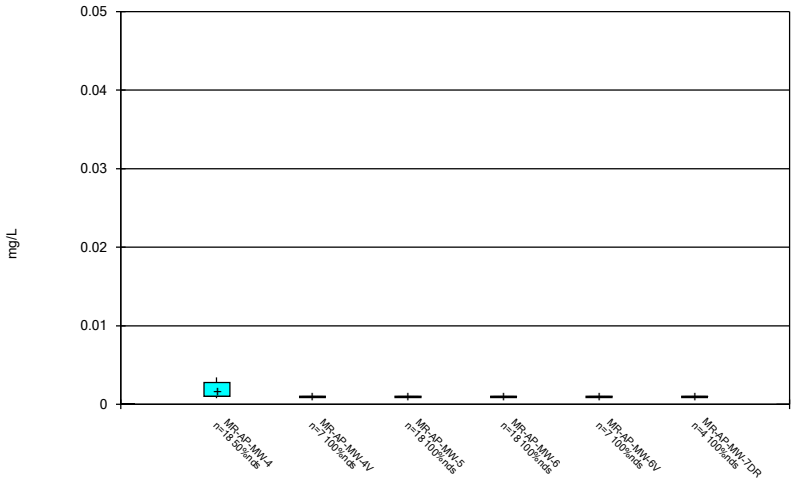
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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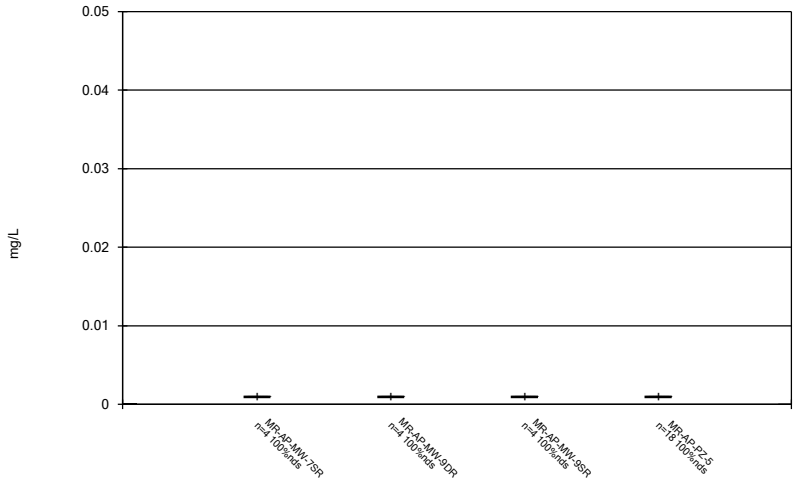
Box & Whiskers Plot



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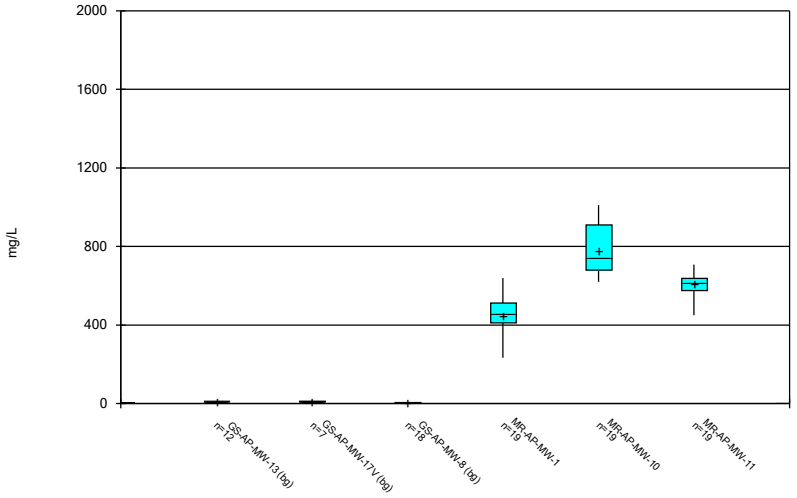
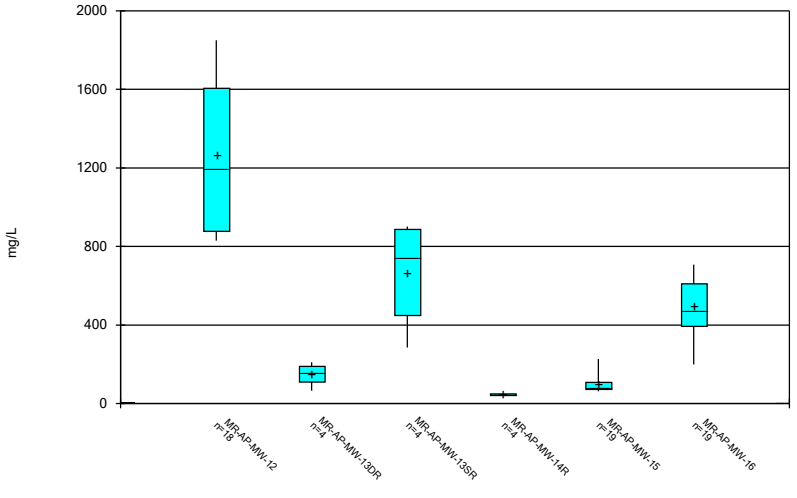
Box & Whiskers Plot



Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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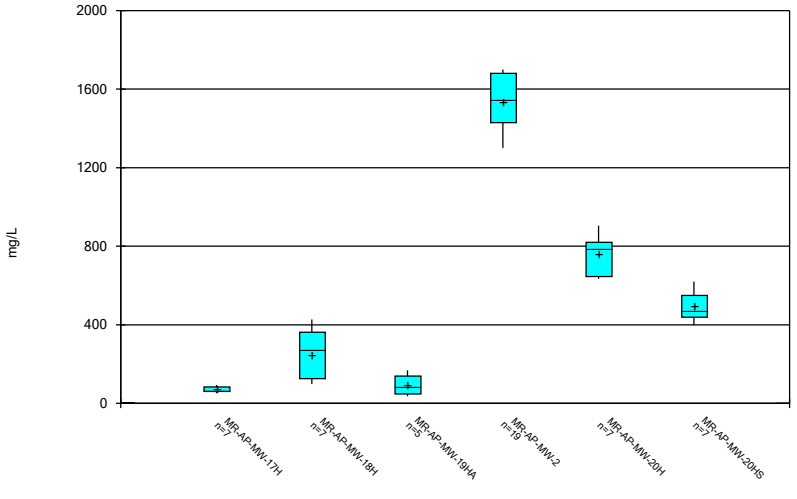
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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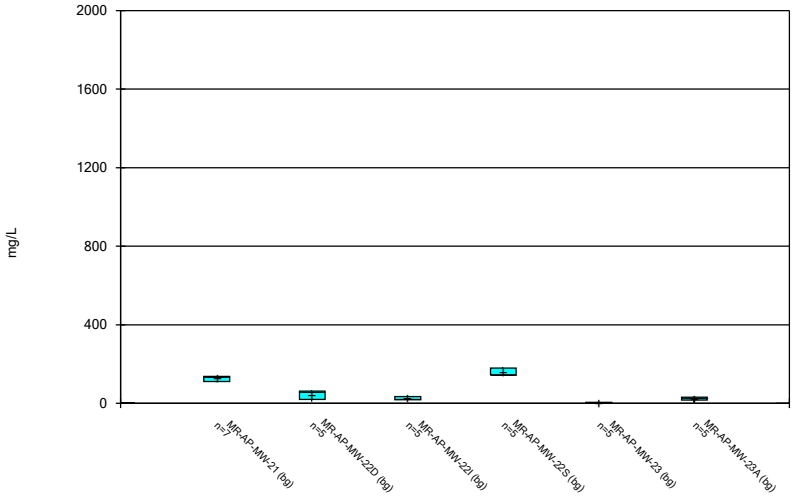
Box & Whiskers Plot



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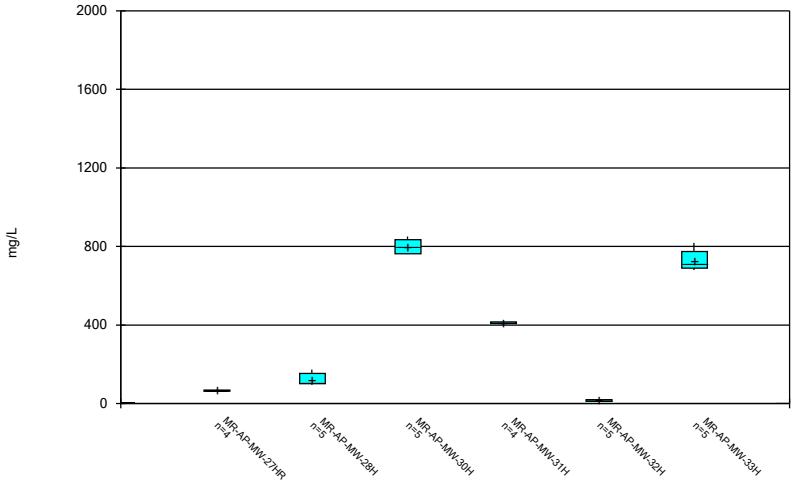

Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
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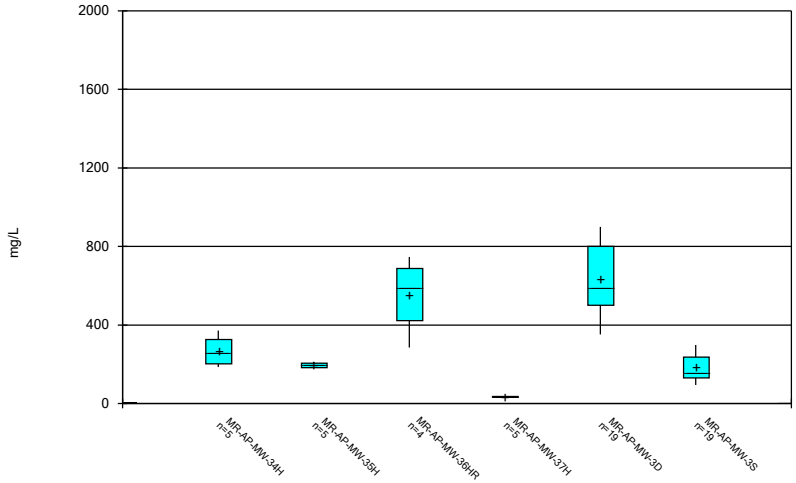

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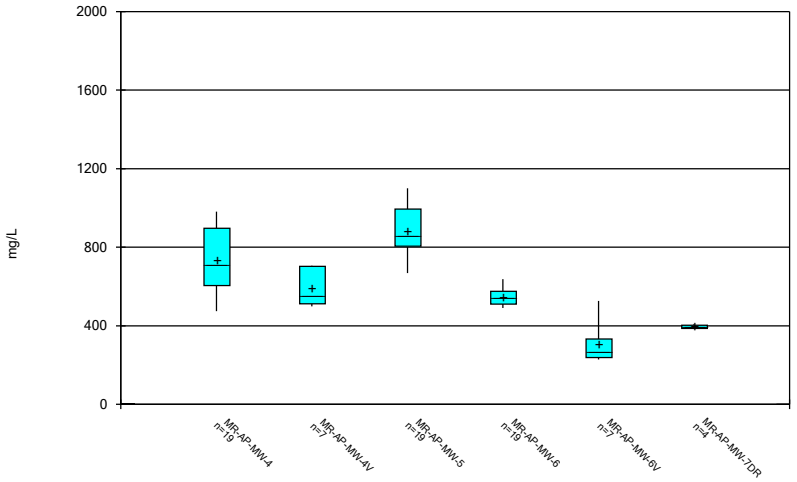

Constituent: Sulfate as SO4 Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Plots
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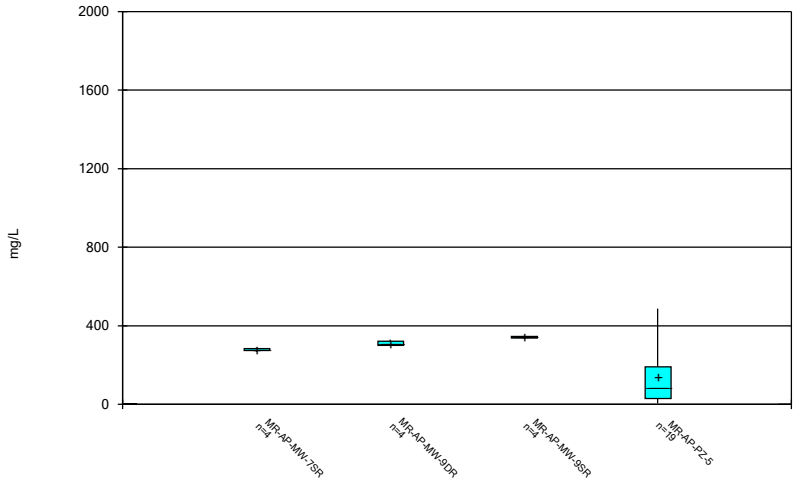

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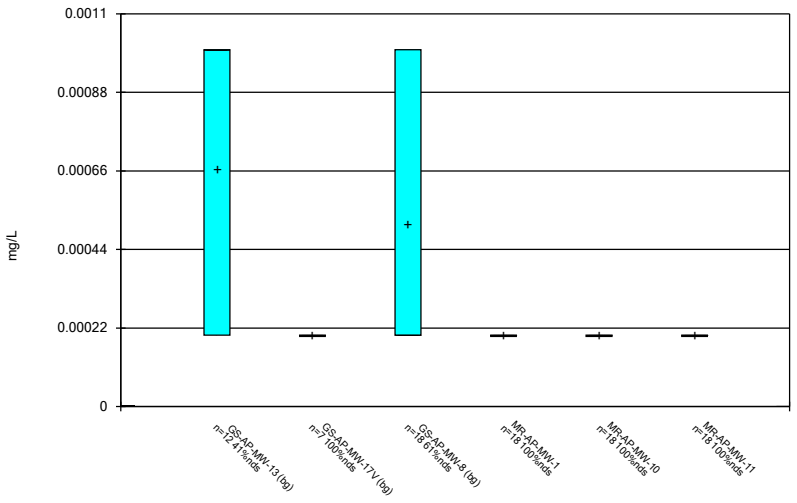
Box & Whiskers Plot



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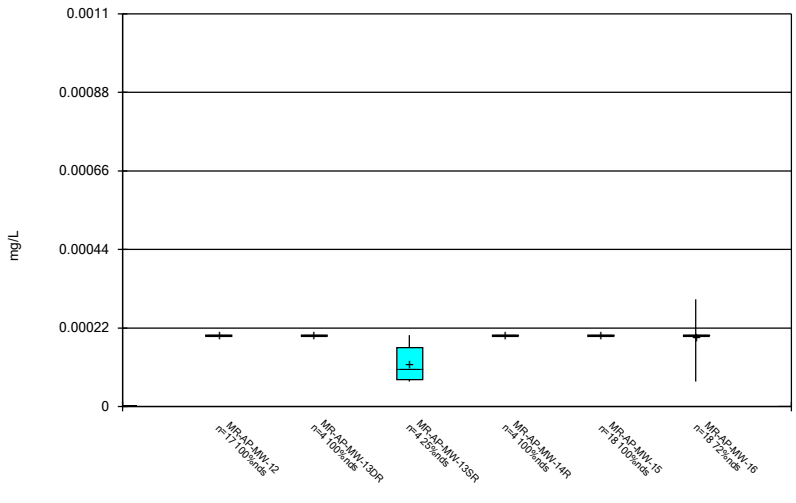

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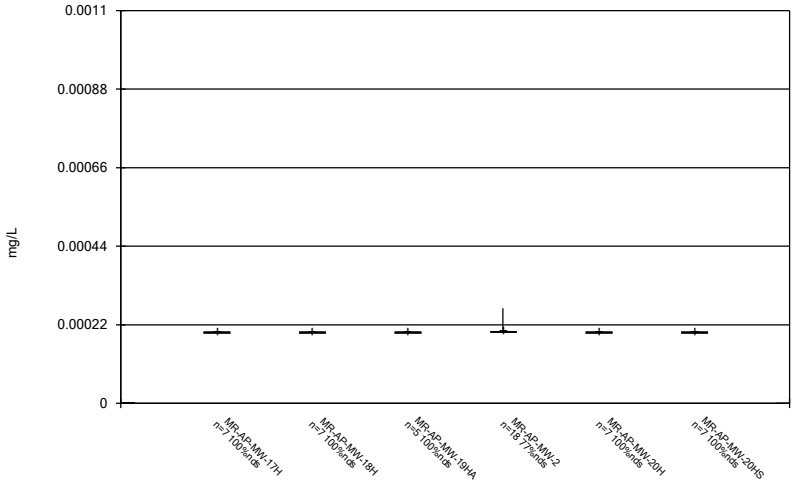

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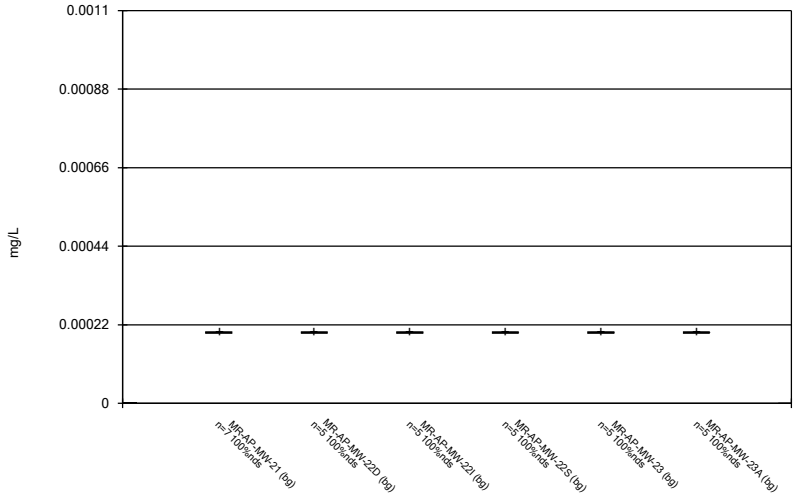

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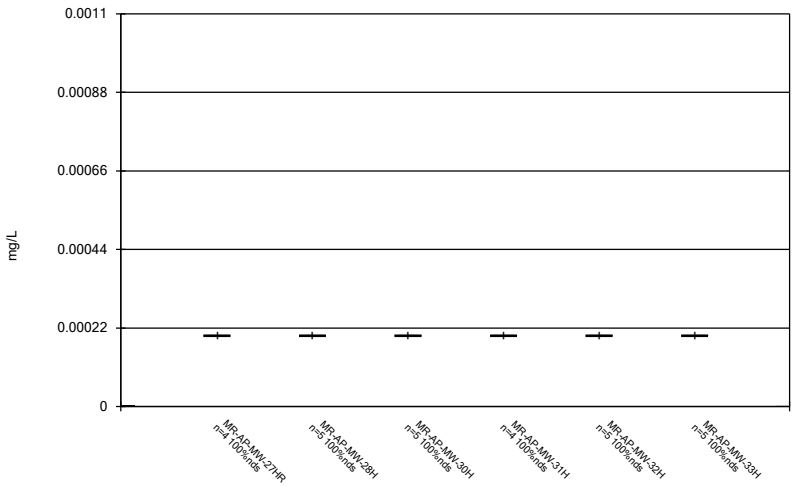

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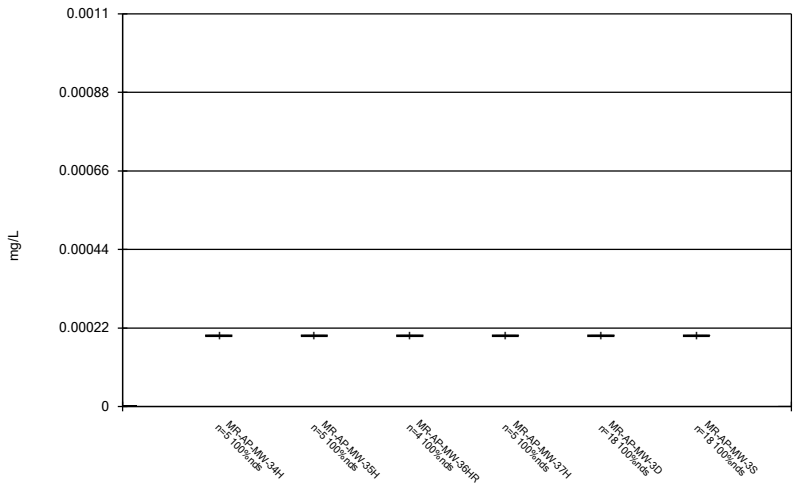

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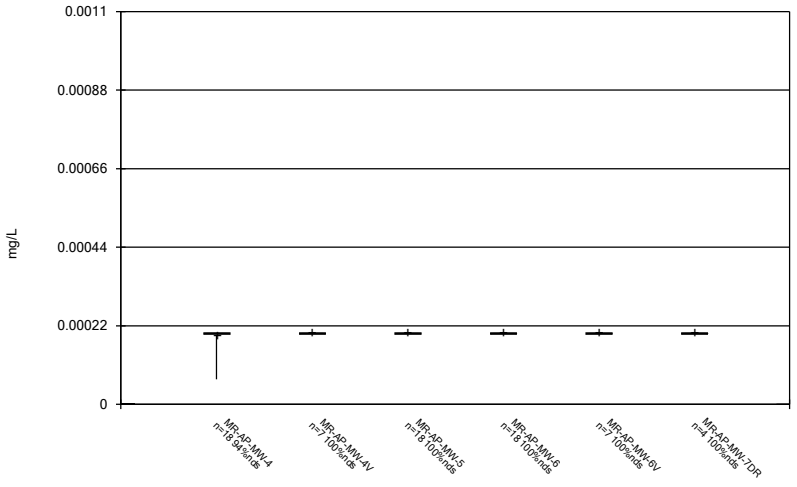

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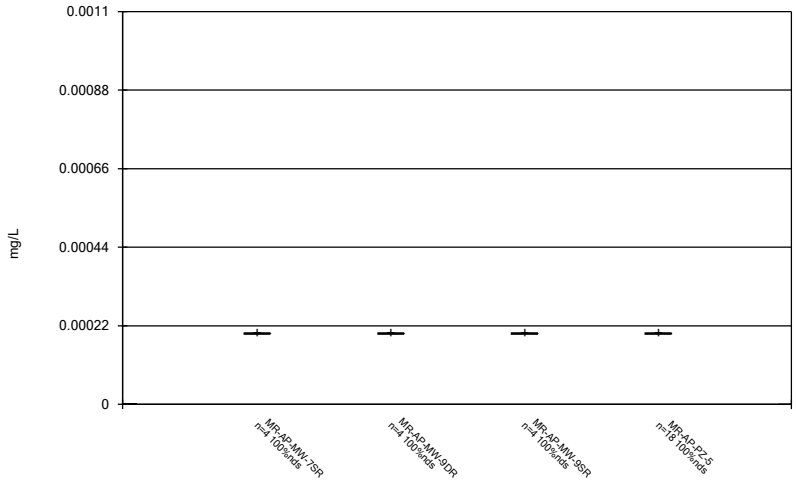

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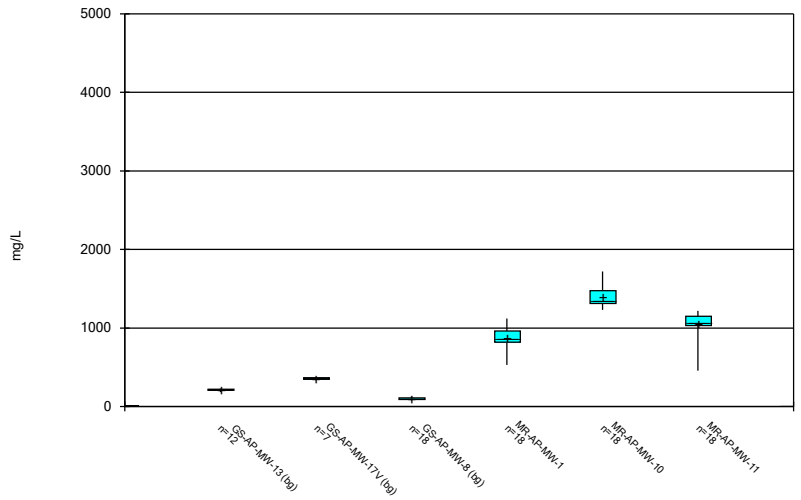
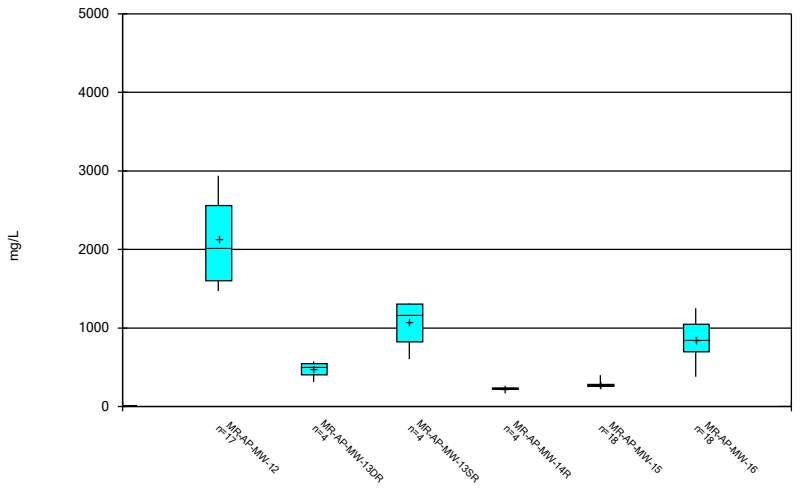


Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



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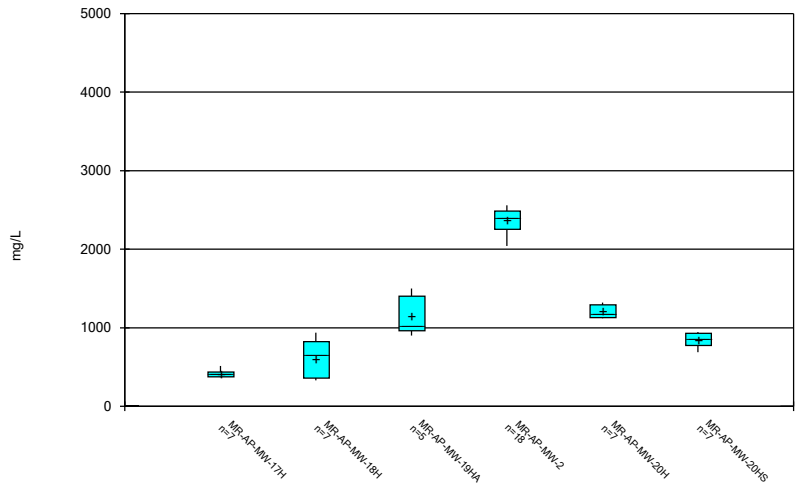

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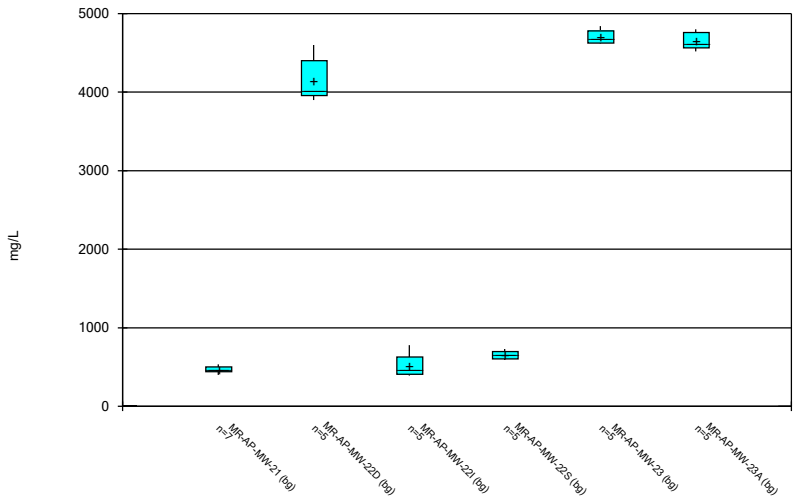

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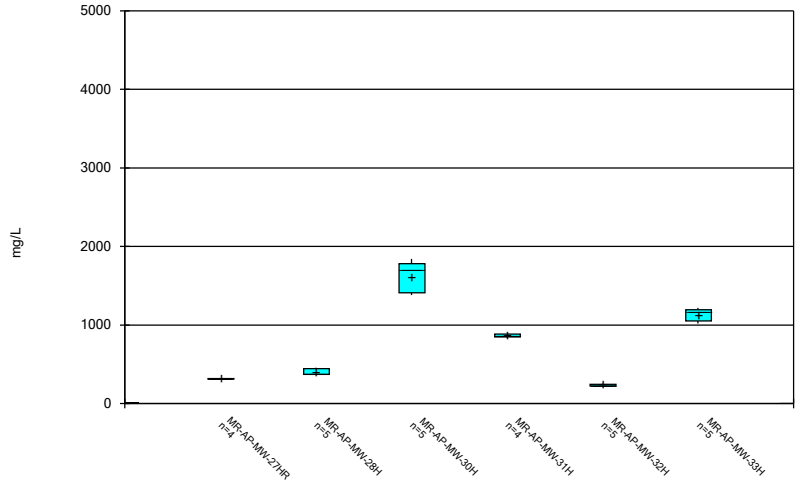

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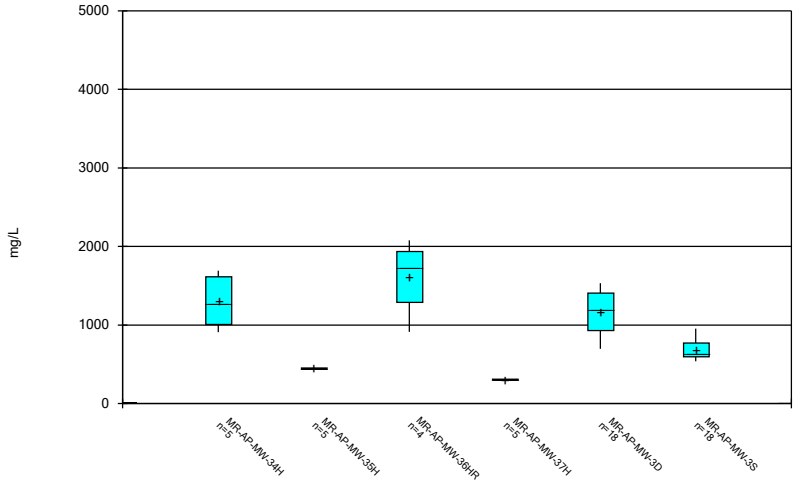

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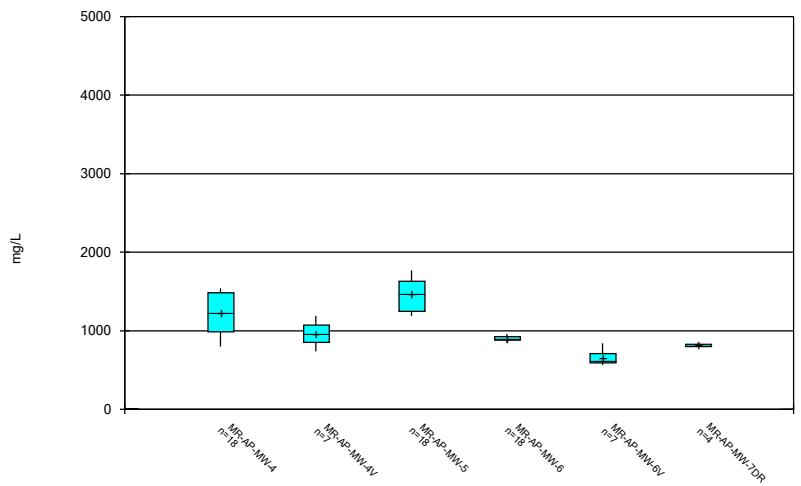

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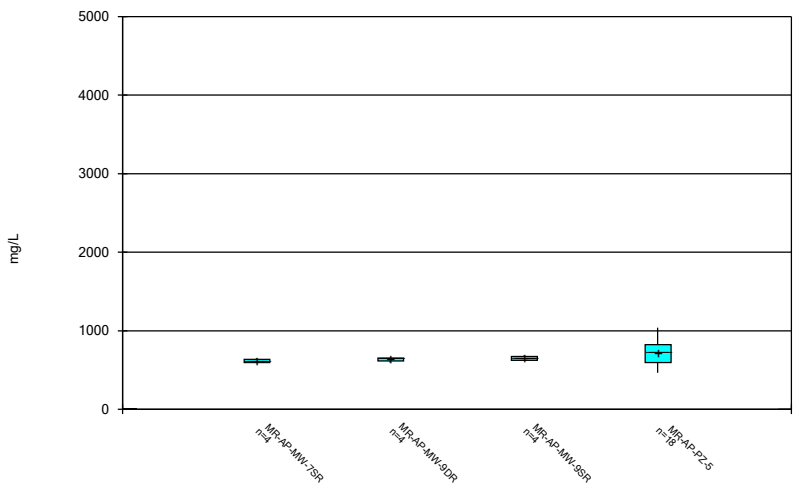
Sanitas™ v.9.6.33 . UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/17/2022 5:16 PM View: Time Series and Box Pl
Plant Miller Client: Southern Company Data: Miller Ash Pond

FIGURE C.

Outlier Summary

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 3:24 PM

No outliers were flagged.

FIGURE D.

Intrawell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**3/17/2022**	**7.24**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-3D**	**6.954**	**6.624**	**3/16/2022**	**7.04**	**Yes**	**19**	**6.789**	**0.06919**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-4**	**6.067**	**5.624**	**3/15/2022**	**6.27**	**Yes**	**19**	**5.846**	**0.0927**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**

Intrawell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	GS-AP-MW-13	6.931	6.594	n/a	1 future	n/a	13	6.762	0.06353	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	GS-AP-MW-8	6.099	5.378	2/16/2022	5.8	No	17	1110	111.7	0	None	x^4	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-1	9.647	7.368	3/15/2022	8.71	No	14	8.508	0.4386	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**3/17/2022**	**7.24**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-11	7.3	6.5	3/16/2022	6.94	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (pH)	MR-AP-MW-12	6.685	6.441	3/17/2022	6.65	No	17	6.563	0.04982	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-15	6.587	6.323	3/9/2022	6.37	No	18	6.455	0.05437	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-16	6.436	5.758	3/8/2022	6.15	No	18	6.097	0.1401	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-2	6.422	5.872	3/16/2022	6.14	No	18	6.147	0.1135	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-3D**	**6.954**	**6.624**	**3/16/2022**	**7.04**	**Yes**	**19**	**6.789**	**0.06919**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-3S	9.882	8.717	3/16/2022	9.05	No	19	9.299	0.2437	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-4**	**6.067**	**5.624**	**3/15/2022**	**6.27**	**Yes**	**19**	**5.846**	**0.0927**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-5	7.268	6.893	3/14/2022	6.92	No	18	7.08	0.07743	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-6	6.213	5.875	3/16/2022	6.07	No	19	6.044	0.07073	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-PZ-5	8.63	7.584	3/14/2022	8.47	No	19	8.107	0.2188	0	None	No	0.0002894	Param Intra 1 of 2

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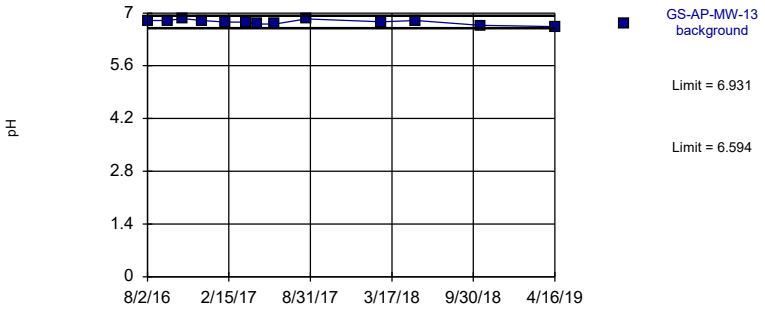
Prediction Limit

Intrawell Parametric, GS-AP-MW-13 (bg)



Background Data Summary: Mean=6.762, Std. Dev.=0.06353, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.934, critical = 0.814. Kappa = 2.656 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787. Assumes 1 future value.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

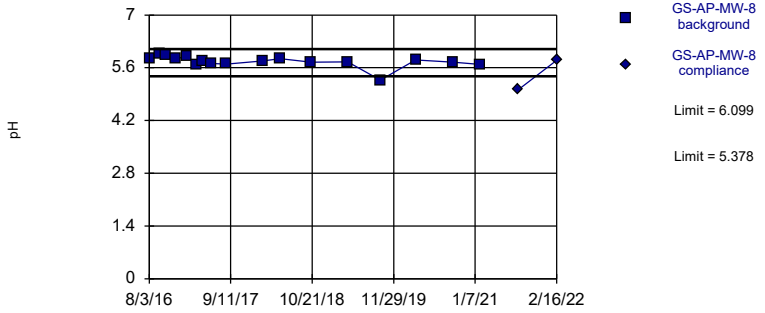
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=1110, Std. Dev.=111.7, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.865, critical = 0.851. Kappa = 2.451 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

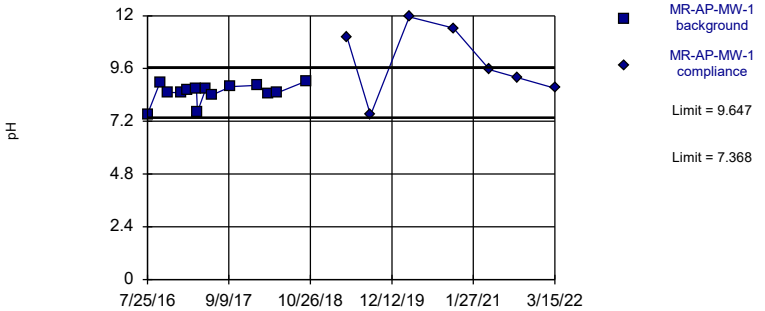
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.508, Std. Dev.=0.4386, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8311, critical = 0.825. Kappa = 2.598 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

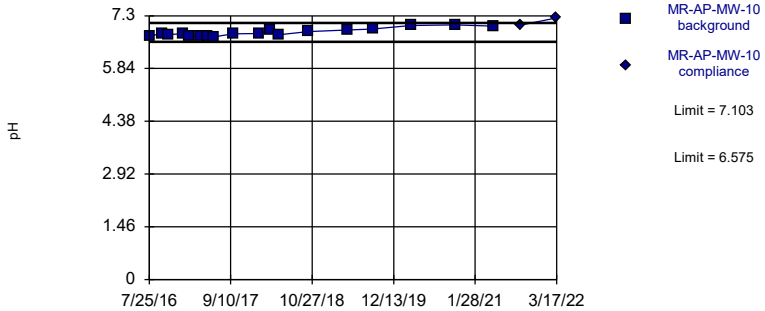
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.839, Std. Dev.=0.1089, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8977, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

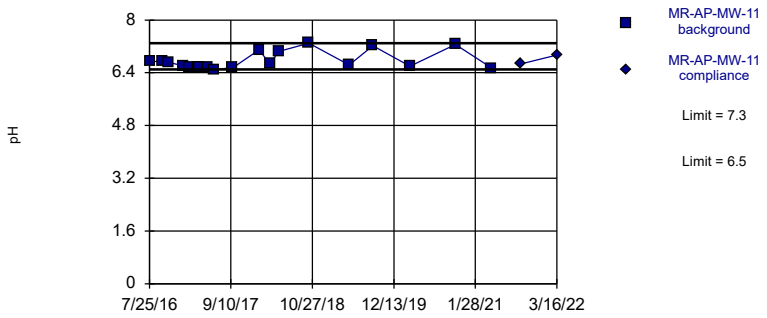
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell 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 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

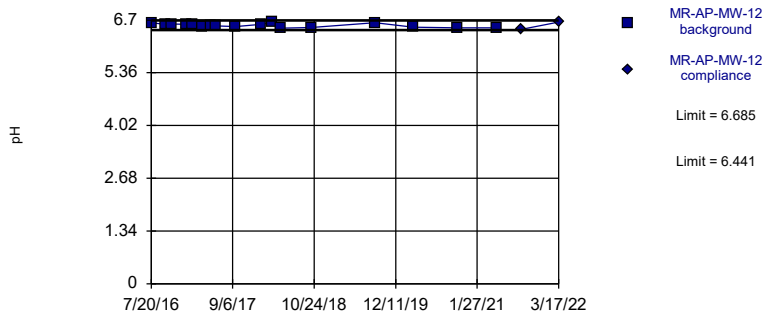
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.563, Std. Dev.=0.04982, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.851. Kappa = 2.451 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

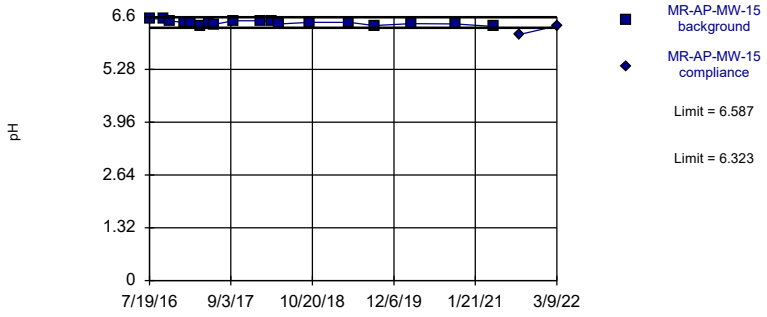
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.455, Std. Dev.=0.05437, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

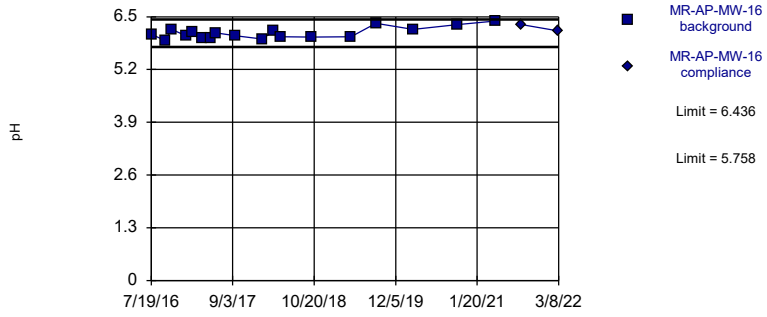
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.097, Std. Dev.=0.1401, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

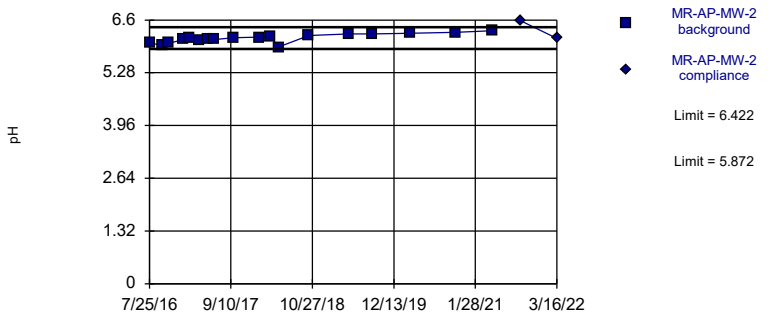
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.147, Std. Dev.=0.1135, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9708, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

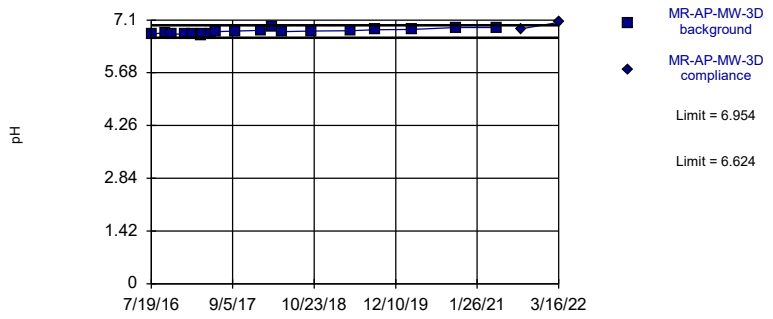
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.789, Std. Dev.=0.06919, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9396, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

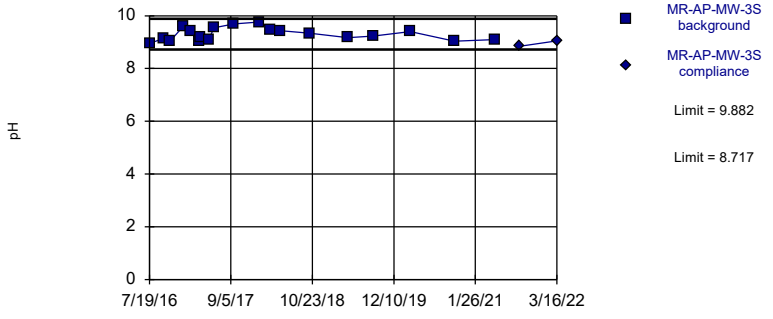
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=9.299, Std. Dev.=0.2437, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9381, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

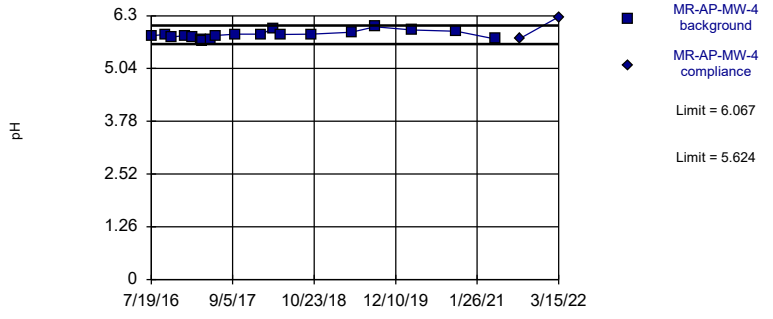
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.846, Std. Dev.=0.0927, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

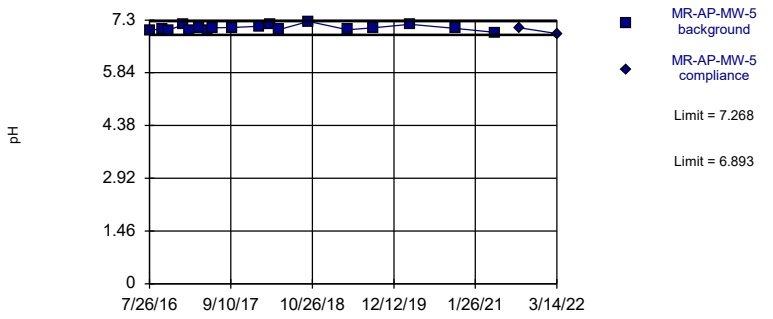
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.08, Std. Dev.=0.07743, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

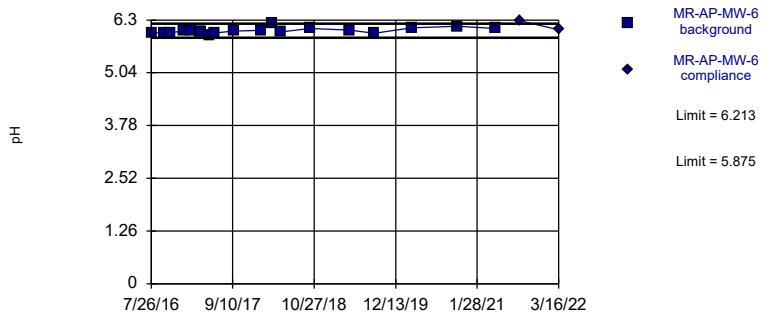
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.044, Std. Dev.=0.07073, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

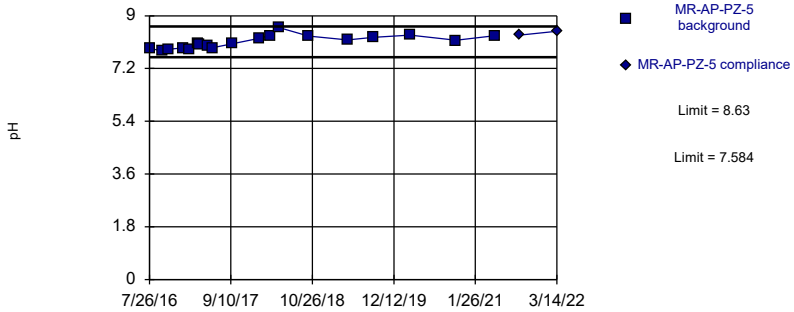
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.107, Std. Dev.=0.2188, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 5/18/2022 1:38 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13
8/2/2016	6.8
9/20/2016	6.8
10/25/2016	6.85
12/13/2016	6.8
2/8/2017	6.76
3/29/2017	6.76
4/26/2017	6.71
6/7/2017	6.71
8/22/2017	6.84
2/20/2018	6.77
5/15/2018	6.8
10/17/2018	6.67 (D)
4/16/2019	6.64

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-8	GS-AP-MW-8
8/3/2016	5.84	
9/21/2016	5.99	
10/25/2016	5.94	
12/13/2016	5.84	
2/6/2017	5.9	
3/28/2017	5.67	
4/24/2017	5.79	
6/7/2017	5.71	
8/21/2017	5.7	
2/19/2018	5.78	
5/15/2018	5.84	
10/16/2018	5.75 (D)	
4/16/2019	5.76	
9/24/2019	5.27	
3/18/2020	5.81	
9/21/2020	5.75	
2/2/2021	5.69	
8/10/2021		5.02
2/16/2022		5.8

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-1
7/25/2016	7.52	
9/26/2016	8.96	
11/2/2016	8.51	
1/11/2017	8.5	
2/13/2017	8.63	
3/30/2017	8.67	
4/3/2017	7.63	
5/15/2017	8.67	
6/14/2017	8.39	
9/19/2017	8.78	
1/29/2018	8.84	
3/27/2018	8.48 (D)	
5/9/2018	8.49	
10/9/2018	9.04	
5/1/2019		11.01
8/27/2019		7.48
3/9/2020		11.95
10/19/2020		11.44
4/20/2021		9.55
9/8/2021		9.19
3/15/2022		8.71

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-10	MR-AP-MW-10
7/25/2016	6.73	
9/27/2016	6.82	
10/31/2016	6.78	
1/11/2017	6.8	
2/14/2017	6.74	
4/6/2017	6.73	
5/17/2017	6.73	
6/13/2017	6.71	
9/21/2017	6.8	
1/31/2018	6.81	
3/28/2018	6.895 (D)	
5/10/2018	6.77	
10/8/2018	6.86	
4/24/2019	6.91	
8/29/2019	6.93	
3/9/2020	7.03	
10/19/2020	7.05	
5/3/2021	7.01	
9/15/2021		7.04
3/17/2022		7.24

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-11	MR-AP-MW-11
7/25/2016	6.74	
9/27/2016	6.74	
11/1/2016	6.71	
1/12/2017	6.61	
2/13/2017	6.58	
3/30/2017	6.57	
4/4/2017	6.56	
5/16/2017	6.56	
6/14/2017	6.5	
9/19/2017	6.55	
1/30/2018	7.09	
3/27/2018	6.665 (D)	
5/8/2018	7.04	
10/9/2018	7.3	
5/1/2019	6.64	
8/28/2019	7.22	
3/3/2020	6.6	
10/20/2020	7.26	
4/21/2021	6.54	
9/14/2021		6.67
3/16/2022		6.94

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-12
7/20/2016	6.63	
9/27/2016	6.59	
11/1/2016	6.6	
1/11/2017	6.59	
2/15/2017	6.59	
4/4/2017	6.54	
5/15/2017	6.56	
6/14/2017	6.55	
9/21/2017	6.53	
1/30/2018	6.59	
3/28/2018	6.645 (D)	
5/8/2018	6.49	
10/8/2018	6.51	
8/28/2019	6.63	
3/10/2020	6.52	
10/19/2020	6.5	
5/5/2021	6.5	
9/7/2021		6.46
3/17/2022		6.65

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-15
7/19/2016	6.55	
9/26/2016	6.55	
10/31/2016	6.49	
1/9/2017	6.46	
2/14/2017	6.47	
4/4/2017	6.38	
5/16/2017	6.46	
6/12/2017	6.41	
9/19/2017	6.5	
1/31/2018	6.5	
3/28/2018	6.49 (D)	
5/7/2018	6.42	
10/9/2018	6.46	
4/24/2019	6.46	
8/28/2019	6.38	
3/4/2020	6.43	
10/13/2020	6.42	
4/26/2021	6.36	
9/1/2021		6.16
3/9/2022		6.37

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-16	MR-AP-MW-16
7/19/2016	6.07	
9/26/2016	5.91	
10/31/2016	6.19	
1/9/2017	6.03	
2/14/2017	6.13	
4/3/2017	5.97	
5/16/2017	5.97	
6/12/2017	6.1	
9/19/2017	6.03	
1/30/2018	5.95	
3/28/2018	6.14 (D)	
5/7/2018	6.01	
10/9/2018	6	
4/24/2019	6.01	
8/28/2019	6.34	
3/3/2020	6.19	
10/13/2020	6.31	
4/21/2021	6.39	
9/1/2021		6.31
3/8/2022		6.15

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-2	MR-AP-MW-2
7/25/2016	6.03	
9/28/2016	5.96	
11/1/2016	6.02	
1/11/2017	6.11	
2/14/2017	6.16	
4/4/2017	6.1	
5/16/2017	6.12	
6/14/2017	6.11	
9/20/2017	6.16	
1/30/2018	6.17	
3/27/2018	6.19 (D)	
5/9/2018	5.92	
10/9/2018	6.21	
5/1/2019	6.25	
8/27/2019	6.25	
3/3/2020	6.27	
10/21/2020	6.29	
4/26/2021	6.33	
9/14/2021		6.58
3/16/2022		6.14

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3D	MR-AP-MW-3D
7/19/2016	6.72	
9/26/2016	6.76	
10/31/2016	6.72	
1/9/2017	6.73	
2/13/2017	6.73	
3/29/2017	6.68	
4/3/2017	6.73	
5/16/2017	6.71	
6/12/2017	6.79	
9/20/2017	6.8	
1/29/2018	6.82	
3/27/2018	6.91 (D)	
5/10/2018	6.79	
10/9/2018	6.8	
4/29/2019	6.81	
8/27/2019	6.84	
3/3/2020	6.85	
10/13/2020	6.9	
5/5/2021	6.9	
9/7/2021		6.86
3/16/2022		7.04

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3S
7/19/2016	8.95	
9/26/2016	9.13	
10/31/2016	9.04	
1/9/2017	9.62	
2/13/2017	9.43	
3/29/2017	9.04	
4/3/2017	9.18	
5/16/2017	9.11	
6/12/2017	9.54	
9/20/2017	9.69	
1/29/2018	9.76	
3/27/2018	9.475 (D)	
5/10/2018	9.44	
10/9/2018	9.34	
4/22/2019	9.17	
8/27/2019	9.23	
3/3/2020	9.4	
10/13/2020	9.04	
5/5/2021	9.1	
9/7/2021		8.84
3/16/2022		9.05

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4
7/19/2016	5.82	
9/27/2016	5.85	
11/1/2016	5.79	
1/9/2017	5.83	
2/13/2017	5.78	
3/30/2017	5.73	
4/4/2017	5.7	
5/16/2017	5.72	
6/12/2017	5.83	
9/20/2017	5.86	
1/29/2018	5.86	
3/27/2018	6 (D)	
5/9/2018	5.85	
10/8/2018	5.86	
4/29/2019	5.91	
8/27/2019	6.04	
3/4/2020	5.96	
10/14/2020	5.93	
4/26/2021	5.75	
9/1/2021		5.76
3/15/2022		6.27

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-5	MR-AP-MW-5
7/26/2016	7.01	
9/28/2016	7.06	
11/2/2016	7.02	
1/10/2017	7.17	
2/14/2017	7.01	
4/3/2017	7.09	
5/17/2017	7	
6/12/2017	7.08	
9/18/2017	7.09	
1/31/2018	7.13	
3/27/2018	7.175 (D)	
5/9/2018	7.03	
10/8/2018	7.26	
4/23/2019	7.03	
8/28/2019	7.08	
3/2/2020	7.18	
10/21/2020	7.07	
5/3/2021	6.96	
9/8/2021		7.08
3/14/2022		6.92

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-6	MR-AP-MW-6
7/26/2016	5.98	
9/28/2016	6	
11/1/2016	6	
1/9/2017	6.04	
2/13/2017	6.04	
3/29/2017	6.01	
4/3/2017	6.02	
5/16/2017	5.92	
6/12/2017	5.99	
9/18/2017	6.04	
1/31/2018	6.05	
3/27/2018	6.23 (D)	
5/9/2018	6.01	
10/8/2018	6.1	
4/23/2019	6.06	
8/28/2019	5.98	
3/3/2020	6.11	
10/20/2020	6.15	
4/28/2021	6.1	
9/1/2021		6.28
3/16/2022		6.07

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 5/18/2022 1:40 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-PZ-5	MR-AP-PZ-5
7/26/2016	7.88	
9/28/2016	7.8	
11/2/2016	7.86	
1/12/2017	7.9	
2/13/2017	7.86	
3/30/2017	8.06	
4/3/2017	8	
5/17/2017	7.99	
6/12/2017	7.91	
9/18/2017	8.04	
1/31/2018	8.23	
3/27/2018	8.33 (D)	
5/9/2018	8.6	
10/8/2018	8.31	
4/23/2019	8.18	
8/29/2019	8.26	
3/2/2020	8.34	
10/21/2020	8.16	
5/3/2021	8.32	
9/8/2021		8.34
3/14/2022		8.47

FIGURE E.

Interwell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:49 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.101	3/17/2022	5.81	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-12	0.101	3/17/2022	7.07	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-15	0.101	3/9/2022	0.445	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-16	0.101	3/8/2022	2.13	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-2	0.101	3/16/2022	0.165	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3D	0.101	3/16/2022	0.428	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3S	0.101	3/16/2022	0.276	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-4	0.101	3/15/2022	0.423	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-5	0.101	3/14/2022	0.864	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-6	0.101	3/16/2022	0.887	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-PZ-5	0.101	3/14/2022	0.245	Yes	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-1	63.5	3/15/2022	98.1	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-10	63.5	3/17/2022	76.4	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-11	63.5	3/16/2022	173	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-12	63.5	3/17/2022	102	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-16	63.5	3/8/2022	154	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-2	63.5	3/16/2022	239	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-3D	63.5	3/16/2022	116	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-4	63.5	3/15/2022	159	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-5	63.5	3/14/2022	228	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-6	63.5	3/16/2022	160	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-15	14.6	3/9/2022	17.6	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3D	14.6	3/16/2022	15	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3S	14.6	3/16/2022	79.4	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-4	14.6	3/15/2022	19	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-5	14.6	3/14/2022	26.1	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-6	14.6	3/16/2022	33.2	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-PZ-5	14.6	3/14/2022	30.7	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-10	0.2991	3/17/2022	1.86	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-12	0.2991	3/17/2022	1.21	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3D	0.2991	3/16/2022	0.388	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3S	0.2991	3/16/2022	0.309	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-5	0.2991	3/14/2022	0.405	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2991	3/14/2022	2.28	Yes	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-1	139	3/15/2022	512	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-10	139	3/17/2022	735	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-11	139	3/16/2022	707	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-12	139	3/17/2022	1730	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-16	139	3/8/2022	530	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-2	139	3/16/2022	1630	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	139	3/16/2022	352	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	139	3/16/2022	227	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-4	139	3/15/2022	475	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-5	139	3/14/2022	810	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-6	139	3/16/2022	587	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	534	3/15/2022	897	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	534	3/17/2022	1230	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	534	3/16/2022	1120	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	534	3/17/2022	2580	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	534	3/8/2022	738	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	534	3/16/2022	2420	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	534	3/16/2022	698	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	534	3/16/2022	698	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	534	3/15/2022	800	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	534	3/14/2022	1190	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	534	3/16/2022	894	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	534	3/14/2022	748	Yes	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:49 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-1	0.101	3/15/2022	0.0528J	No	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-10**	**0.101**	**3/17/2022**	**5.81**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	MR-AP-MW-11	0.101	3/16/2022	0.0357J	No	44	n/a	n/a	36.36	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-12**	**0.101**	**3/17/2022**	**7.07**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.101**	**3/9/2022**	**0.445**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-16**	**0.101**	**3/8/2022**	**2.13**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-2**	**0.101**	**3/16/2022**	**0.165**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3D**	**0.101**	**3/16/2022**	**0.428**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.101**	**3/16/2022**	**0.276**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-4**	**0.101**	**3/15/2022**	**0.423**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-5**	**0.101**	**3/14/2022**	**0.864**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-6**	**0.101**	**3/16/2022**	**0.887**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-PZ-5**	**0.101**	**3/14/2022**	**0.245**	**Yes**	**44**	**n/a**	**n/a**	**36.36**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-1**	**63.5**	**3/15/2022**	**98.1**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-10**	**63.5**	**3/17/2022**	**76.4**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-11**	**63.5**	**3/16/2022**	**173**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-12**	**63.5**	**3/17/2022**	**102**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-MW-15	63.5	3/9/2022	39.1	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**MR-AP-MW-16**	**63.5**	**3/8/2022**	**154**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-2**	**63.5**	**3/16/2022**	**239**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-3D**	**63.5**	**3/16/2022**	**116**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-MW-3S	63.5	3/16/2022	5.38	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**MR-AP-MW-4**	**63.5**	**3/15/2022**	**159**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-5**	**63.5**	**3/14/2022**	**228**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-6**	**63.5**	**3/16/2022**	**160**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-PZ-5	63.5	3/14/2022	6.95	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-1	14.6	3/15/2022	10.4	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-10	14.6	3/17/2022	4.75	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-11	14.6	3/16/2022	7.08	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-12	14.6	3/17/2022	8.05	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-15**	**14.6**	**3/9/2022**	**17.6**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	MR-AP-MW-16	14.6	3/8/2022	7.81	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-2	14.6	3/16/2022	6.88	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-3D**	**14.6**	**3/16/2022**	**15**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**14.6**	**3/16/2022**	**79.4**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**14.6**	**3/15/2022**	**19**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-5**	**14.6**	**3/14/2022**	**26.1**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-6**	**14.6**	**3/16/2022**	**33.2**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-PZ-5**	**14.6**	**3/14/2022**	**30.7**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-1	0.2991	3/15/2022	0.142	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.2991**	**3/17/2022**	**1.86**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-11	0.2991	3/16/2022	0.107J	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.2991**	**3/17/2022**	**1.21**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-15	0.2991	3/9/2022	0.103J	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-16	0.2991	3/8/2022	0.155	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-2	0.2991	3/16/2022	0.268	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.2991**	**3/16/2022**	**0.388**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.2991**	**3/16/2022**	**0.309**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-4	0.2991	3/15/2022	0.154	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.2991**	**3/14/2022**	**0.405**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-6	0.2991	3/16/2022	0.155	No	46	0.1511	0.06996	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2991**	**3/14/2022**	**2.28**	**Yes**	**46**	**0.1511**	**0.06996**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-1**	**139**	**3/15/2022**	**512**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-10**	**139**	**3/17/2022**	**735**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-11**	**139**	**3/16/2022**	**707**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**139**	**3/17/2022**	**1730**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	MR-AP-MW-15	139	3/9/2022	123	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**139**	**3/8/2022**	**530**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-2**	**139**	**3/16/2022**	**1630**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**139**	**3/16/2022**	**352**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3S**	**139**	**3/16/2022**	**227**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**139**	**3/15/2022**	**475**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**139**	**3/14/2022**	**810**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-6**	**139**	**3/16/2022**	**587**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	MR-AP-PZ-5	139	3/14/2022	51.7	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-1**	**534**	**3/15/2022**	**897**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-10**	**534**	**3/17/2022**	**1230**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-11**	**534**	**3/16/2022**	**1120**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 1:49 PM

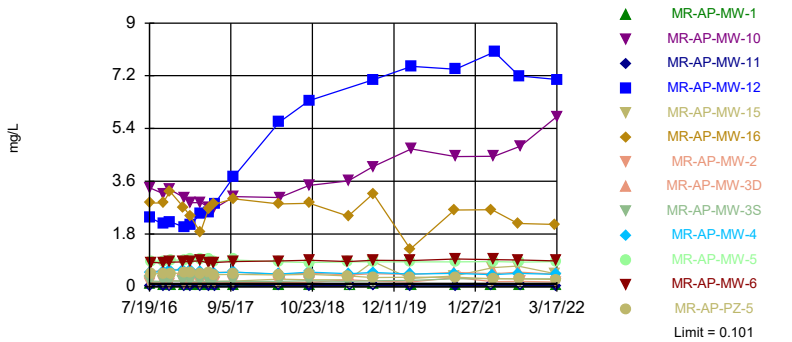
Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**534**	**3/17/2022**	**2580**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-15	534	3/9/2022	279	No	44	n/a	n/a	0	n/a	n/a	0.0009449	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**534**	**3/8/2022**	**738**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-2**	**534**	**3/16/2022**	**2420**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**534**	**3/16/2022**	**698**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3S**	**534**	**3/16/2022**	**698**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**534**	**3/15/2022**	**800**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**534**	**3/14/2022**	**1190**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-6**	**534**	**3/16/2022**	**894**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-PZ-5**	**534**	**3/14/2022**	**748**	**Yes**	**44**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009449**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S,..

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 44 background values. 36.36% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.0009449 (1 of 2). Comparing 13 points to limit.

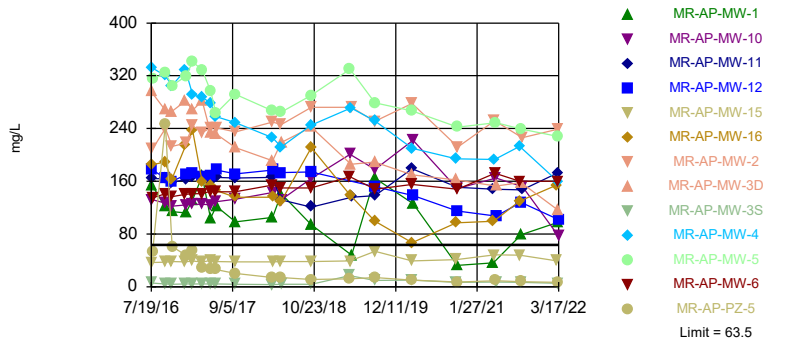
Constituent: Boron, total Analysis Run 5/18/2022 1:48 PM View: AIII
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D,..

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 44 background values. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.0009449 (1 of 2). Comparing 13 points to limit.

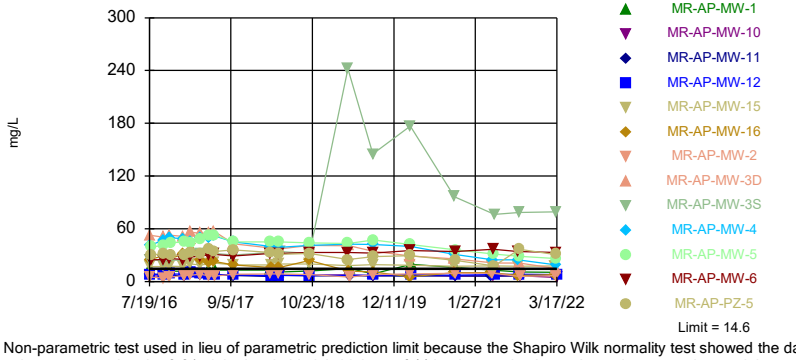
Constituent: Calcium, total Analysis Run 5/18/2022 1:48 PM View: AIII
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Exceeds Limit: MR-AP-MW-15, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-PZ-5

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 44 background values. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.0009449 (1 of 2). Comparing 13 points to limit.

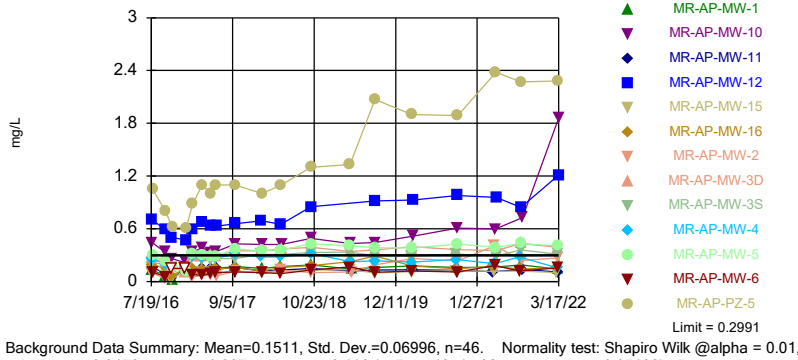
Constituent: Chloride, Total Analysis Run 5/18/2022 1:48 PM View: AIII
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Exceeds Limit: MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5

Prediction Limit

Interwell Parametric



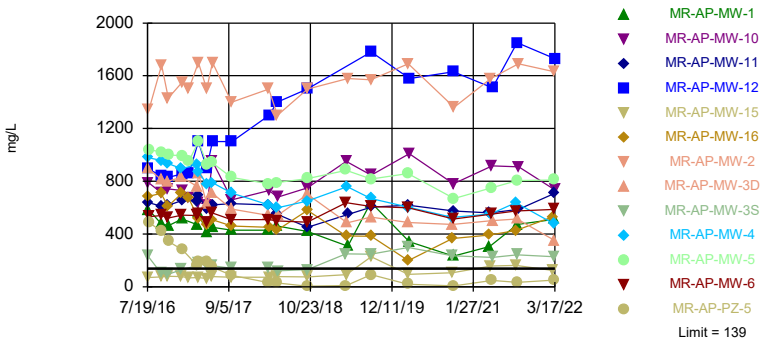
Background Data Summary: Mean=0.1511, Std. Dev.=0.06996, n=46. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.927. Kappa = 2.116 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0005787. Comparing 13 points to limit.

Constituent: Fluoride, total Analysis Run 5/18/2022 1:48 PM View: AIII
Plant Miller Client: Southern Company Data: Miller Ash Pond

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D,..

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 44 background values. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.0009449 (1 of 2). Comparing 13 points to limit.

Constituent: Sulfate as SO4 Analysis Run 5/18/2022 1:48 PM View: AIII

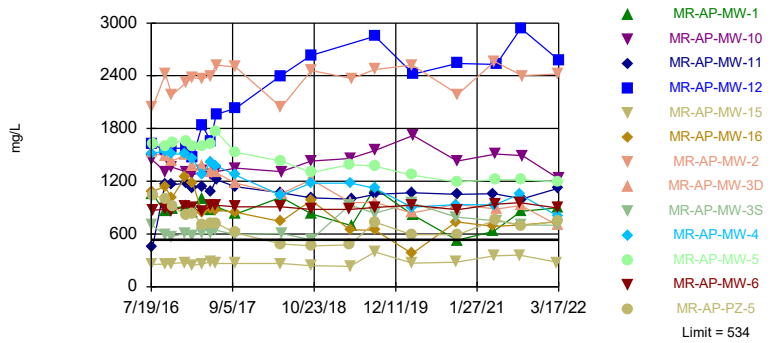
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D,..

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 44 background values. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.0009449 (1 of 2). Comparing 13 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 1:48 PM View: AIII

Plant Miller Client: Southern Company Data: Miller Ash Pond

FIGURE F.

Trend Test - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 2:05 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.374	80	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-12	1.189	104	63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-15	0.05229	104	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-2	0.01699	94	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3D	-0.02511	-78	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3S	0.01331	77	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-4	-0.02106	-92	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-6	0.01849	93	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-PZ-5	-0.03749	-111	-68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-16	-18.82	-93	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-3D	-27.29	-140	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-4	-26.52	-137	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-5	-16.31	-102	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-6	4.756	124	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-8 (bg)	0.1896	85	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-3D	-6.927	-118	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-3S	11.11	117	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-4	-4.482	-96	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-6	1.915	143	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-13 (bg)	0.02914	48	43	Yes	13	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-10	0.07522	123	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-12	0.09617	100	68	Yes	18	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3D	0.03451	119	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3S	0.02546	101	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-5	0.0337	112	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2944	128	74	Yes	19	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-10	0.06835	122	81	Yes	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-3D	0.03997	145	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-12	194.2	124	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-16	-56.99	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	-82.71	-130	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-4	-89.47	-135	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-5	-52.98	-111	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	249.7	98	63	Yes	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	-98.91	-92	-68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	-142.8	-134	-68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	-132.2	-126	-68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	-90.76	-109	-68	Yes	18	0	n/a	n/a	0.01	NP

Trend Test - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 2:05 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	GS-AP-MW-13 (bg)	-0.01983	-35	-38	No	12	41.67	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-17V (bg)	-0.0054	-7	-18	No	7	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-8 (bg)	0	-49	-68	No	18	61.11	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-10**	**0.374**	**80**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-12**	**1.189**	**104**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.05229**	**104**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-16	-0.09743	-48	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-2**	**0.01699**	**94**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-21 (bg)	0.0005558	3	18	No	7	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-3D**	**-0.02511**	**-78**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.01331**	**77**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-4**	**-0.02106**	**-92**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-5	-0.005261	-52	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-6**	**0.01849**	**93**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-PZ-5**	**-0.03749**	**-111**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	GS-AP-MW-13 (bg)	-2.607	-32	-38	No	12	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-17V (bg)	0.5737	5	18	No	7	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-8 (bg)	-0.6456	-57	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-1	-11.64	-68	-74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-10	6.948	74	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-11	-2.237	-16	-74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-12	-9.865	-63	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-16**	**-18.82**	**-93**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	MR-AP-MW-2	5.098	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-21 (bg)	-1.345	-5	-18	No	7	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-3D**	**-27.29**	**-140**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-4**	**-26.52**	**-137**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-5**	**-16.31**	**-102**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-6**	**4.756**	**124**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	GS-AP-MW-13 (bg)	0.1178	10	38	No	12	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-17V (bg)	-0.1796	-7	-18	No	7	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**GS-AP-MW-8 (bg)**	**0.1896**	**85**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-15	0	5	74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-21 (bg)	0	0	18	No	7	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-3D**	**-6.927**	**-118**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**11.11**	**117**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**-4.482**	**-96**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-5	-2.024	-60	-74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-6**	**1.915**	**143**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-PZ-5	-0.6466	-33	-74	No	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**GS-AP-MW-13 (bg)**	**0.02914**	**48**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	GS-AP-MW-17V (bg)	0.001162	1	18	No	7	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-8 (bg)	0.003661	34	74	No	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.07522**	**123**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.09617**	**100**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	MR-AP-MW-21 (bg)	-0.01385	-5	-18	No	7	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.03451**	**119**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.02546**	**101**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.0337**	**112**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2944**	**128**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	GS-AP-MW-13 (bg)	-0.05825	-34	-43	No	13	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-17V (bg)	-0.09188	-12	-18	No	7	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-8 (bg)	-0.04138	-73	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-10**	**0.06835**	**122**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-21 (bg)	0.1629	15	18	No	7	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-3D**	**0.03997**	**145**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-4	0.03439	75	87	No	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-13 (bg)	0.01849	11	38	No	12	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-17V (bg)	-1.441	-13	-18	No	7	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-8 (bg)	0.1821	34	68	No	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-1	-36.11	-58	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-10	30.74	48	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-11	-10.53	-46	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**194.2**	**124**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**-56.99**	**-104**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-2	23.5	32	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-21 (bg)	9.095	15	18	No	7	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**-82.71**	**-130**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Test - All Results

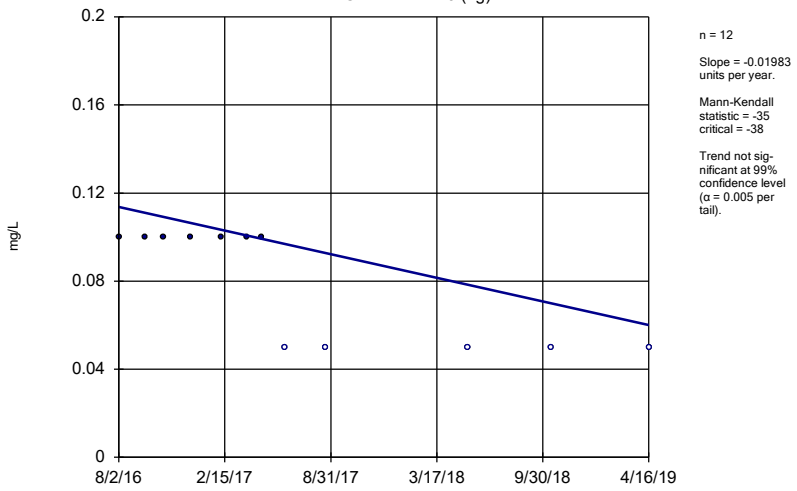
Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/18/2022, 2:05 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	19.57	57	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**-89.47**	**-135**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**-52.98**	**-111**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-6	8.425	38	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-13 (bg)	-7.182	-29	-38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-17V (bg)	0	0	18	No	7	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-8 (bg)	-3.157	-39	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	-29.99	-43	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	35.53	44	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	-22.37	-52	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**249.7**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**-98.91**	**-92**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	35.55	51	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-21 (bg)	17	5	18	No	7	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**-142.8**	**-134**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	23.44	49	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**-132.2**	**-126**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**-90.76**	**-109**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	7.677	41	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	-58.25	-62	-68	No	18	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = -0.01983 units per year.

Mann-Kendall statistic = -35
critical = -38

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

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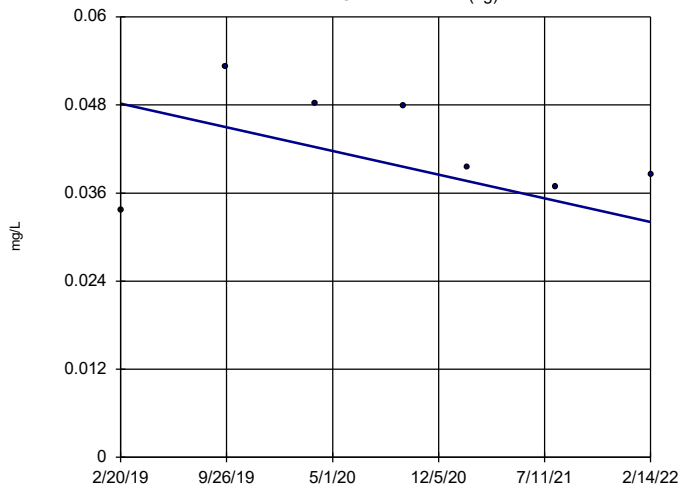
Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = -0.0054 units per year.

Mann-Kendall statistic = -7
critical = -18

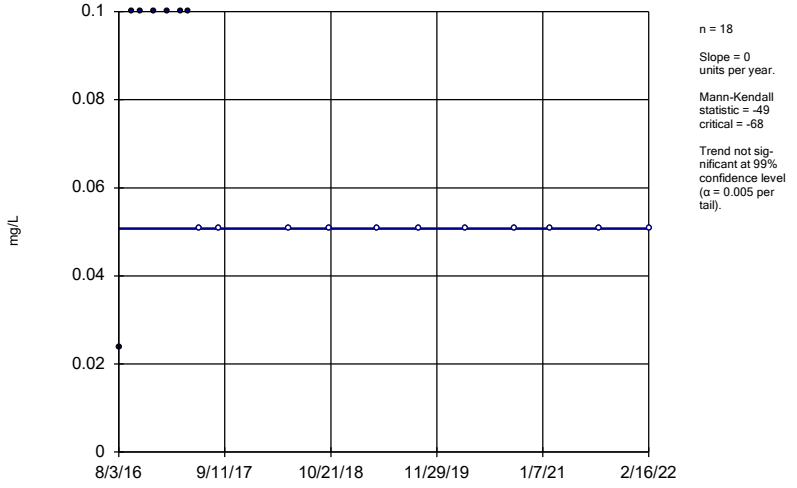
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -49
critical = -68

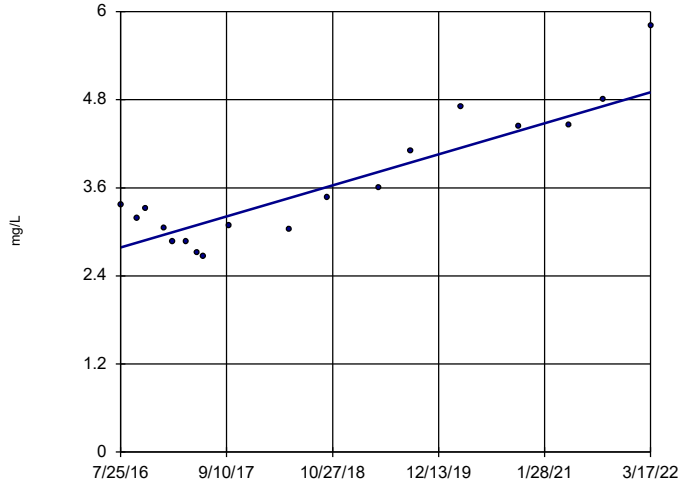
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-10



n = 18

Slope = 0.374 units per year.

Mann-Kendall statistic = 80
critical = 68

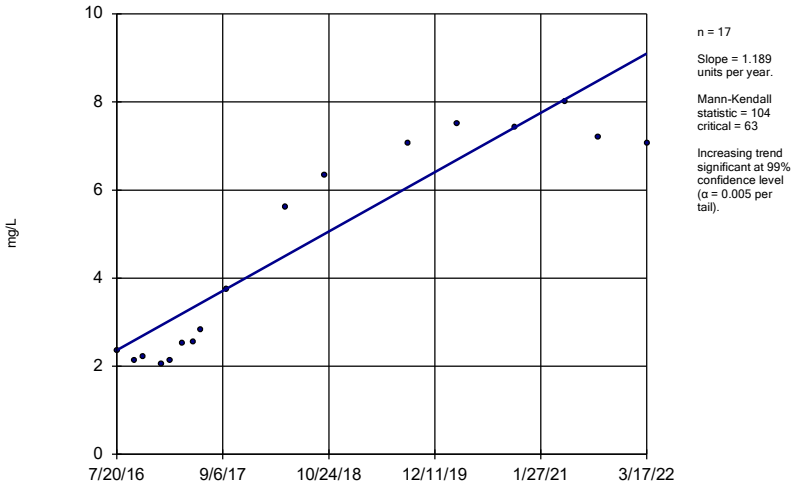
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-12



n = 17

Slope = 1.189 units per year.

Mann-Kendall statistic = 104 critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

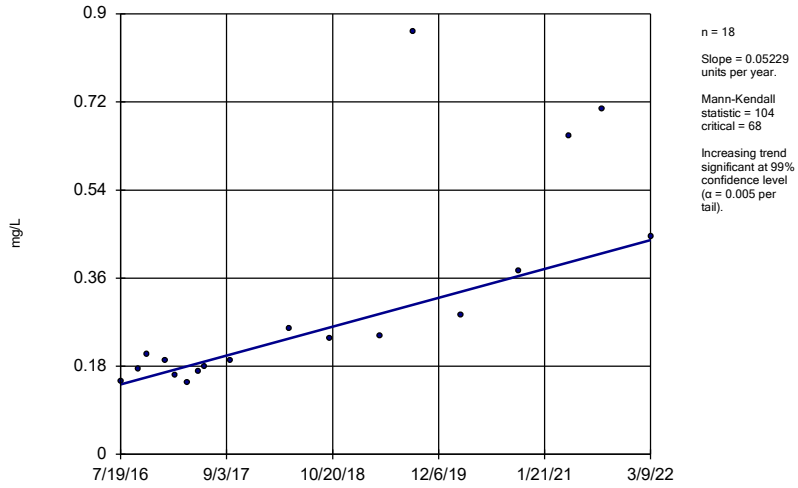
Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-15



n = 18

Slope = 0.05229 units per year.

Mann-Kendall statistic = 104 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

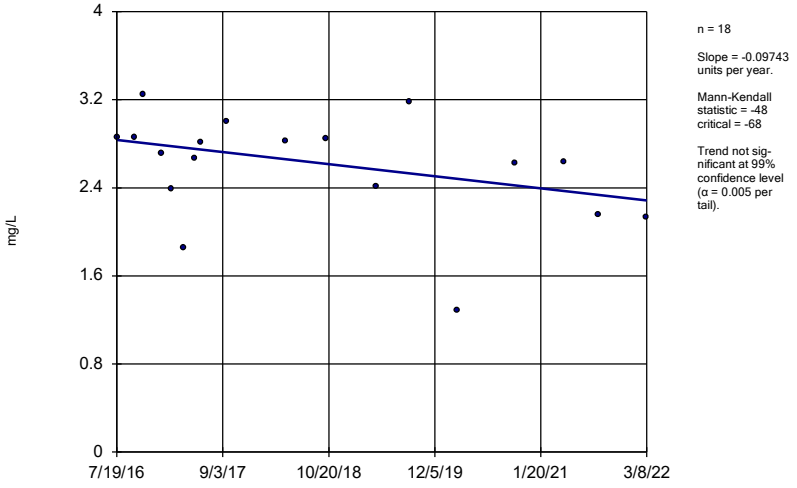
Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-16



n = 18

Slope = -0.09743 units per year.

Mann-Kendall statistic = -48 critical = -68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

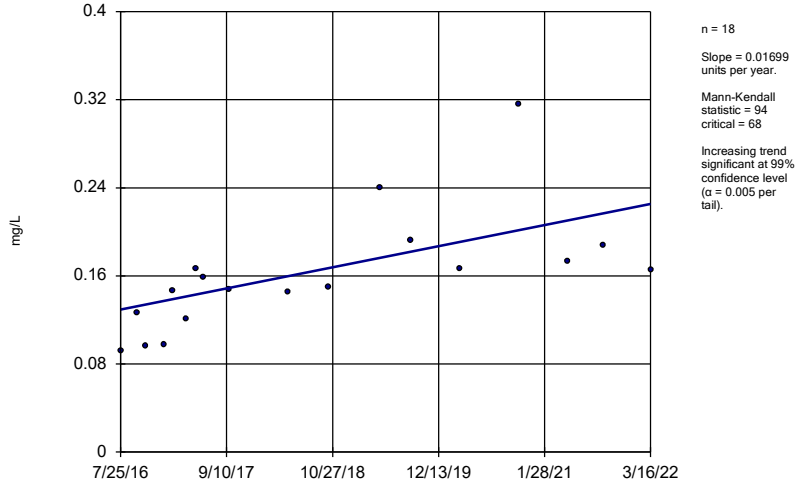
Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-2



n = 18

Slope = 0.01699 units per year.

Mann-Kendall statistic = 94 critical = 68

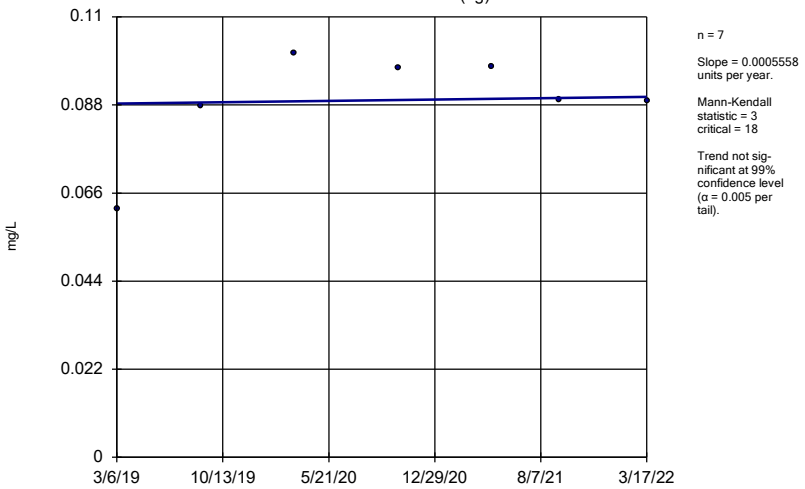
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = 0.0005558 units per year.

Mann-Kendall statistic = 3
critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

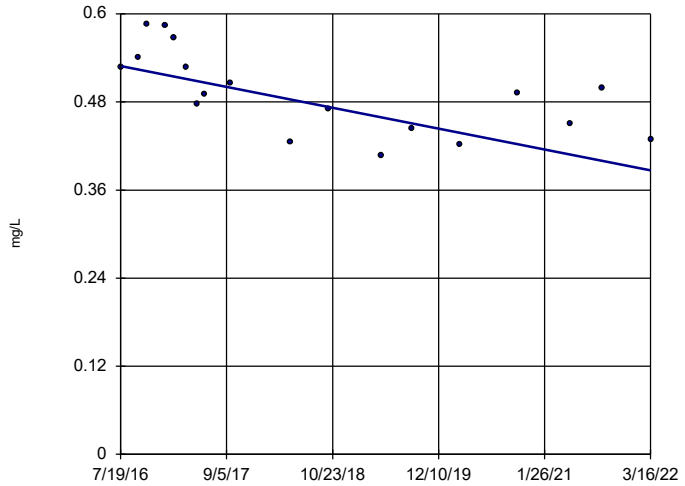
Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 18

Slope = -0.02511 units per year.

Mann-Kendall statistic = -78
critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

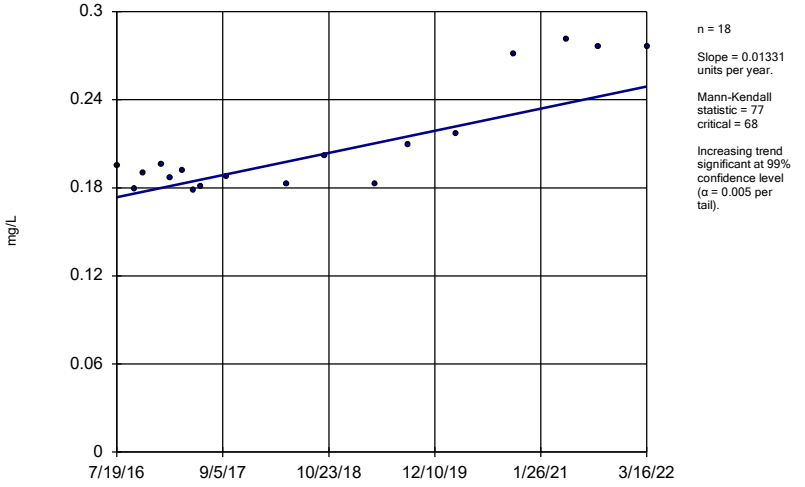
Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 18

Slope = 0.01331 units per year.

Mann-Kendall statistic = 77
critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

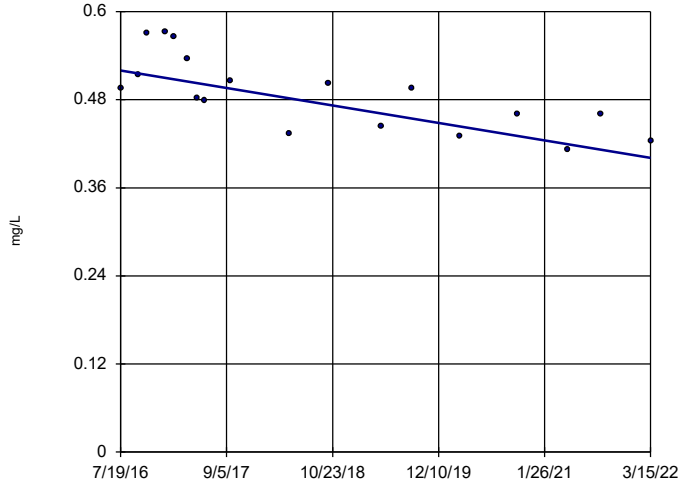
Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-4



n = 18

Slope = -0.02106 units per year.

Mann-Kendall statistic = -92
critical = -68

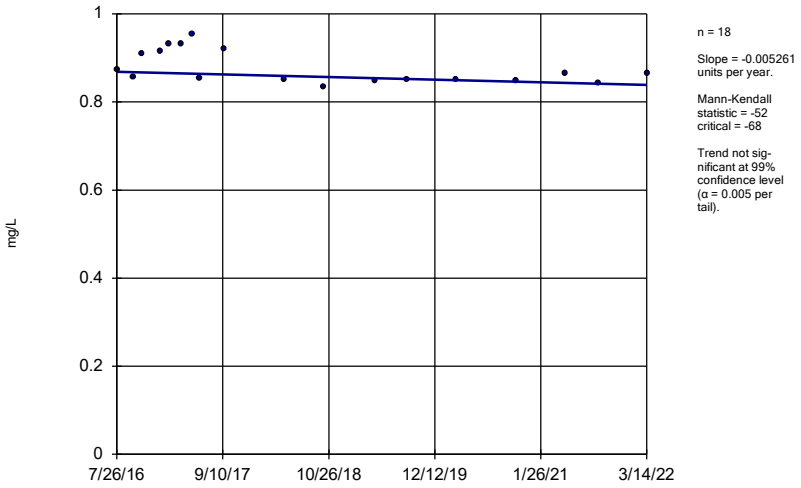
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-5



n = 18

Slope = -0.005261 units per year.

Mann-Kendall statistic = -52
critical = -68

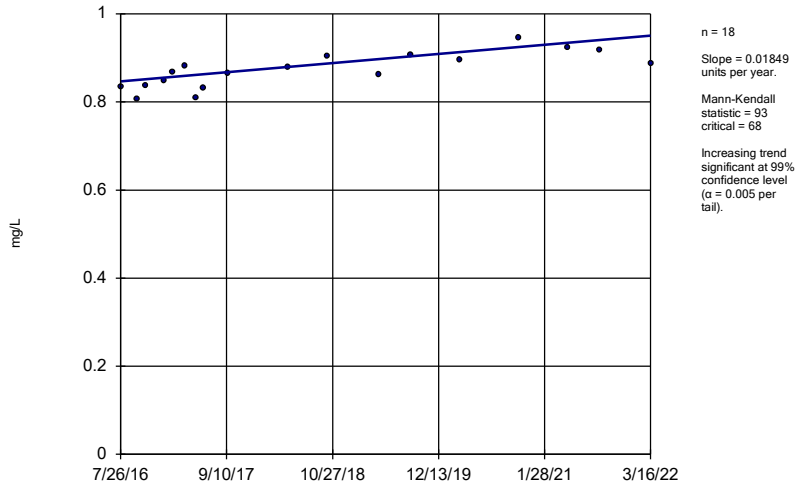
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-6



n = 18

Slope = 0.01849 units per year.

Mann-Kendall statistic = 93
critical = 68

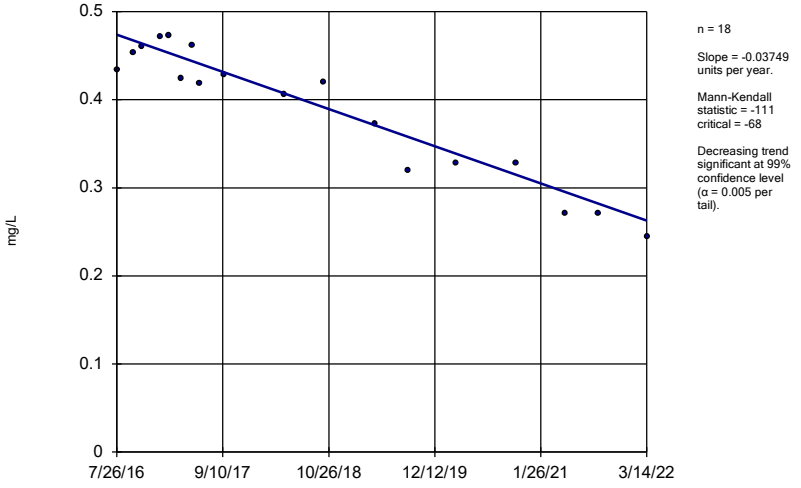
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 18

Slope = -0.03749 units per year.

Mann-Kendall statistic = -111
critical = -68

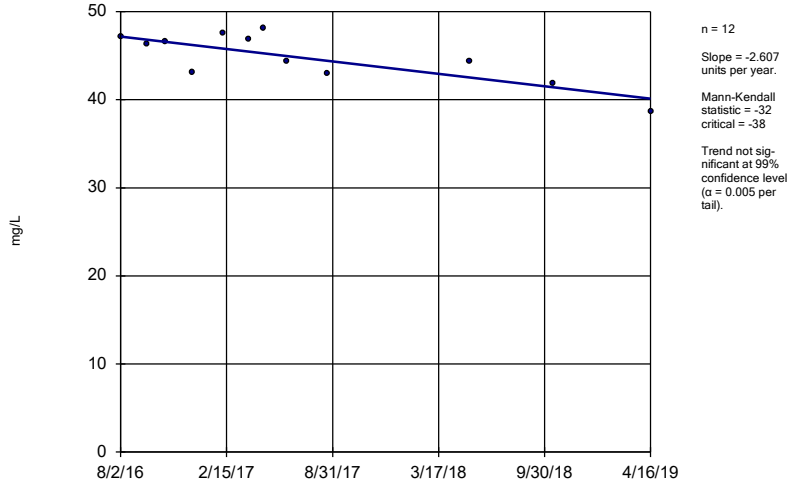
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = -2.607 units per year.

Mann-Kendall statistic = -32
critical = -38

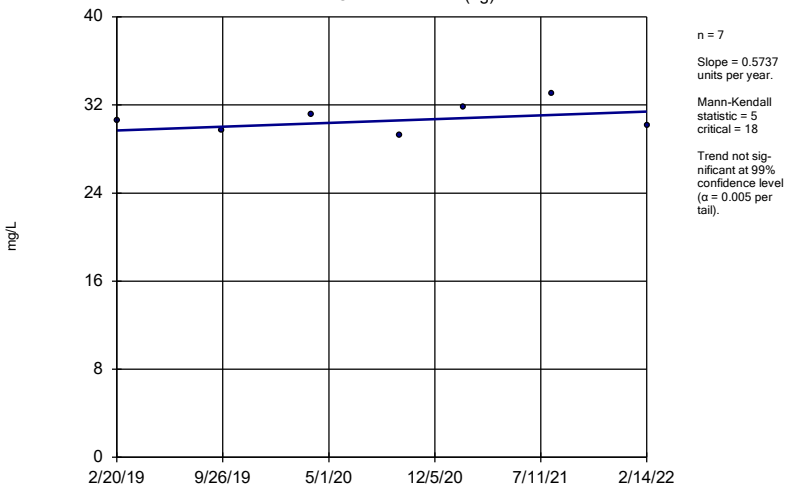
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = 0.5737 units per year.

Mann-Kendall statistic = 5 critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

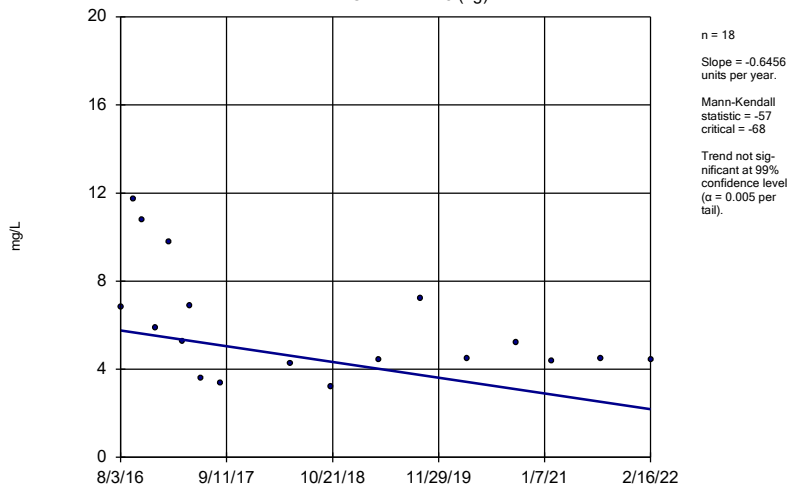
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 18

Slope = -0.6456 units per year.

Mann-Kendall statistic = -57 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

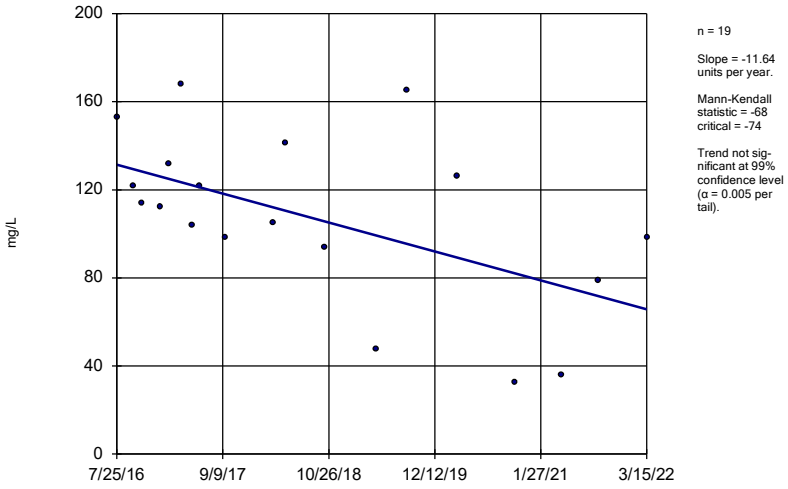
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-1



n = 19

Slope = -11.64 units per year.

Mann-Kendall statistic = -68 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

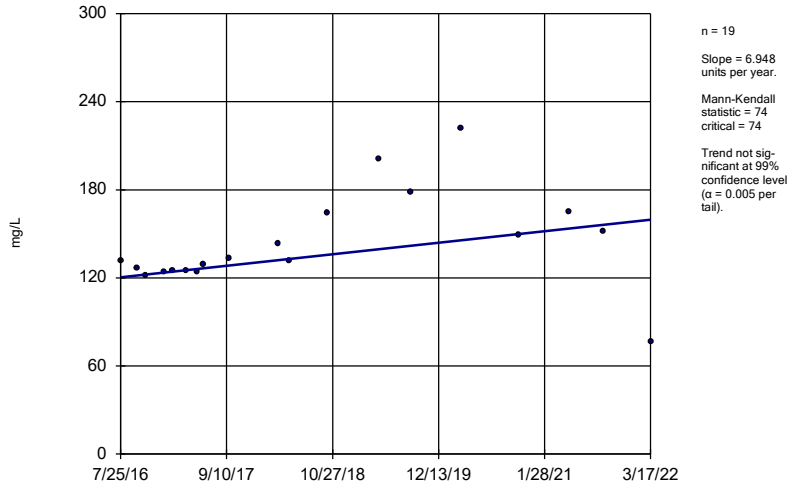
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-10



n = 19

Slope = 6.948 units per year.

Mann-Kendall statistic = 74 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

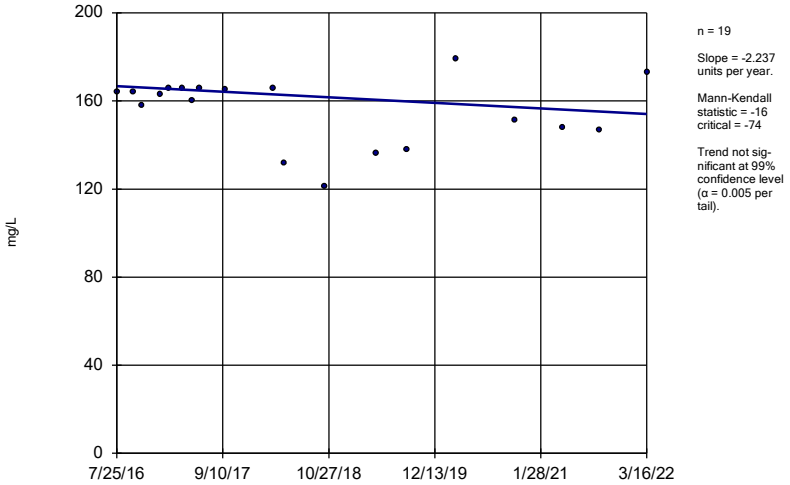
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-11



n = 19

Slope = -2.237 units per year.

Mann-Kendall statistic = -16
critical = -74

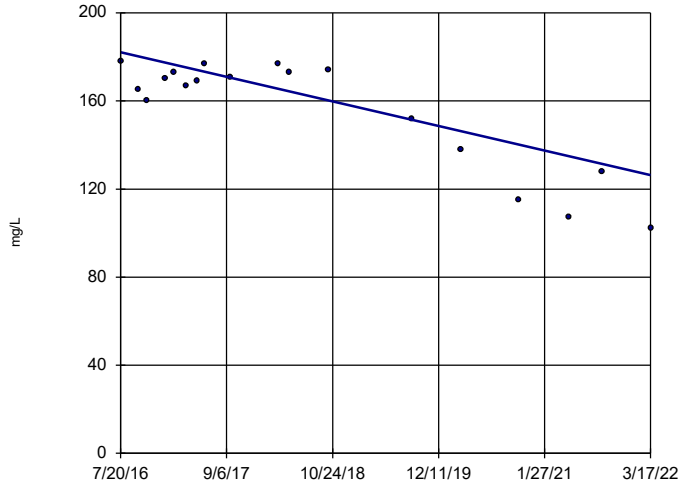
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-12



n = 18

Slope = -9.865 units per year.

Mann-Kendall statistic = -63
critical = -68

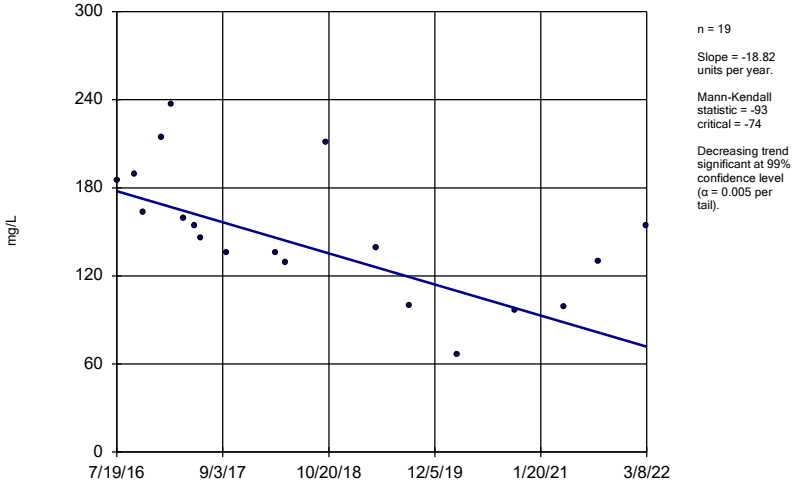
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-16



n = 19

Slope = -18.82 units per year.

Mann-Kendall statistic = -93
critical = -74

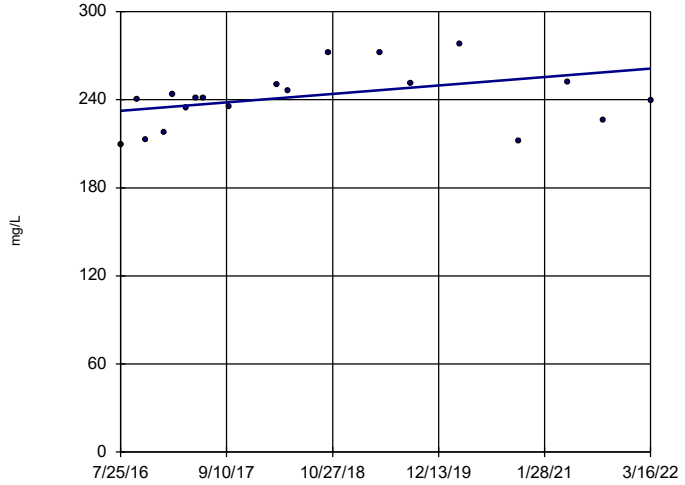
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-2



n = 19

Slope = 5.098 units per year.

Mann-Kendall statistic = 61
critical = 74

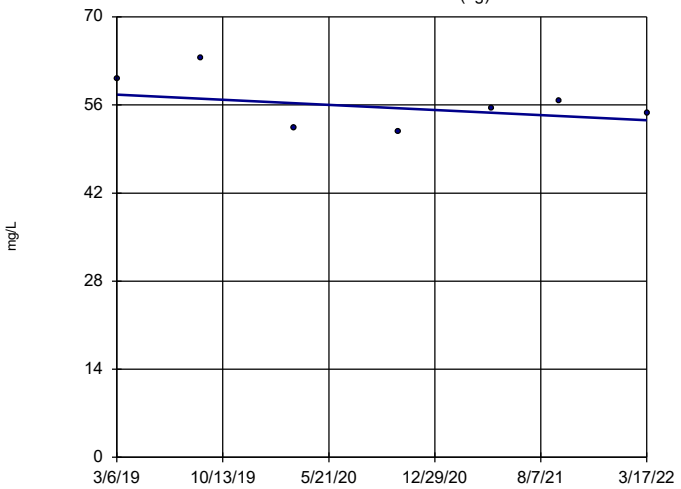
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = -1.345 units per year.

Mann-Kendall statistic = -5 critical = -18

Trend not significant at 99% confidence level (α = 0.005 per tail).

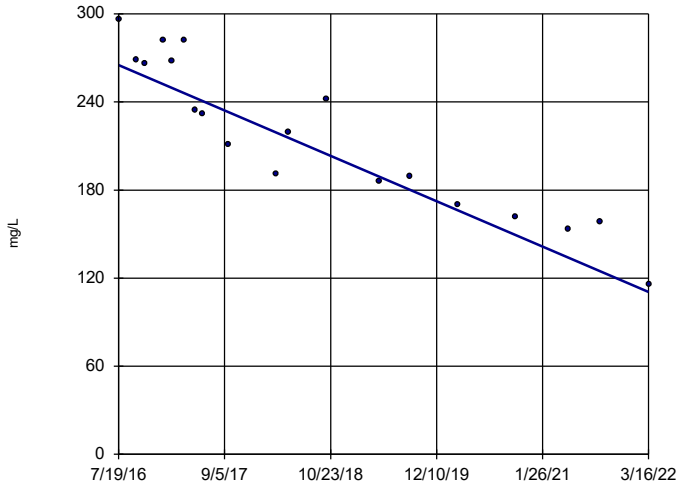
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 19

Slope = -27.29 units per year.

Mann-Kendall statistic = -140 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

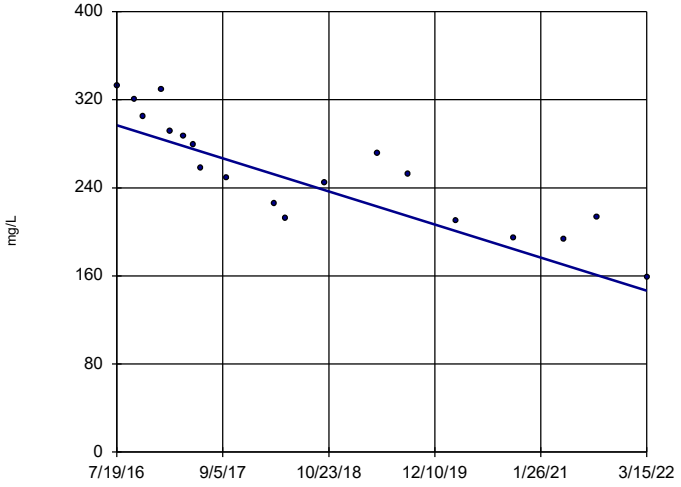
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-4



n = 19

Slope = -26.52 units per year.

Mann-Kendall statistic = -137 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

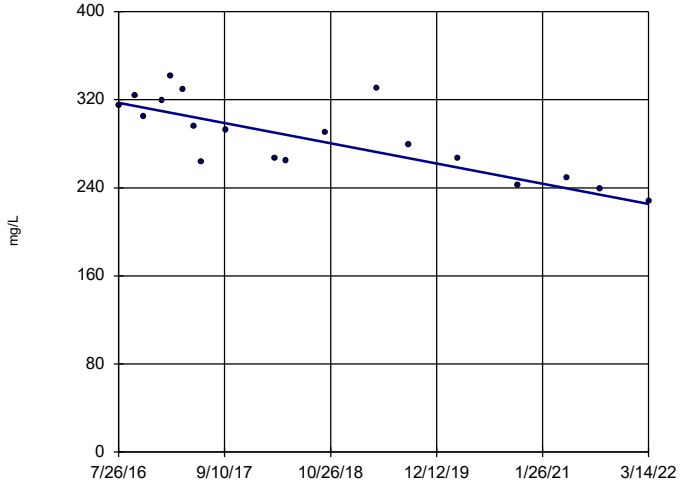
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-5



n = 19

Slope = -16.31 units per year.

Mann-Kendall statistic = -102 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

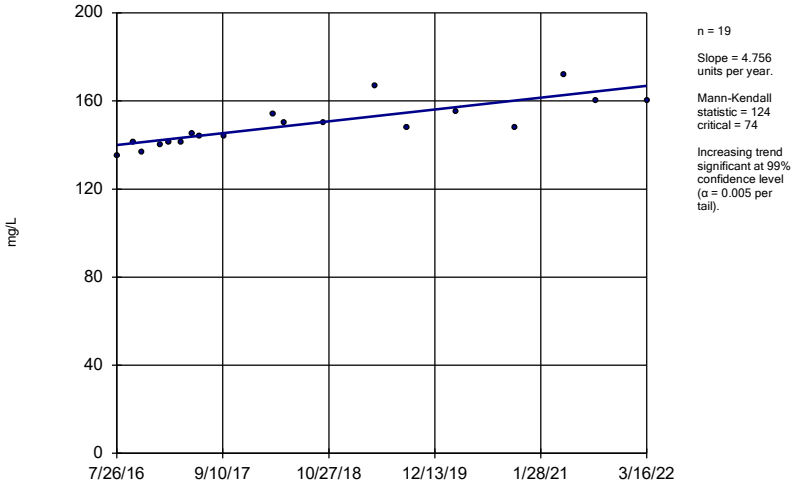
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-6



n = 19

Slope = 4.756 units per year.

Mann-Kendall statistic = 124 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

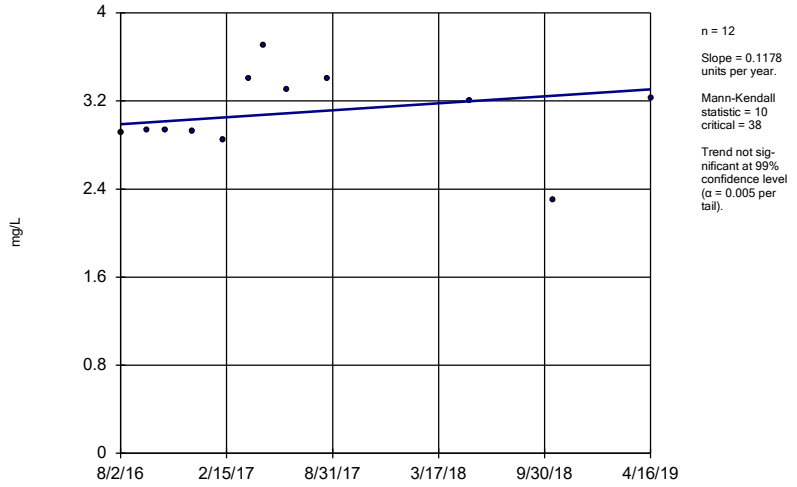
Constituent: Calcium, total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = 0.1178 units per year.

Mann-Kendall statistic = 10 critical = 38

Trend not significant at 99% confidence level (α = 0.005 per tail).

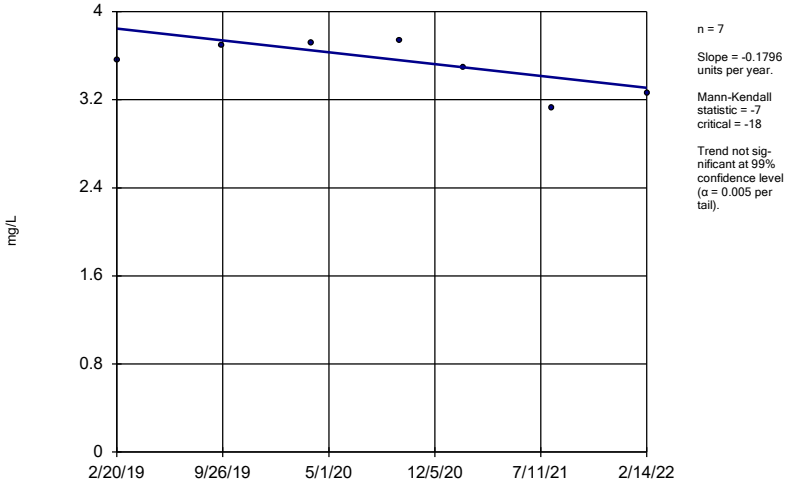
Constituent: Chloride, Total Analysis Run 5/18/2022 2:03 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = -0.1796 units per year.

Mann-Kendall statistic = -7 critical = -18

Trend not significant at 99% confidence level (α = 0.005 per tail).

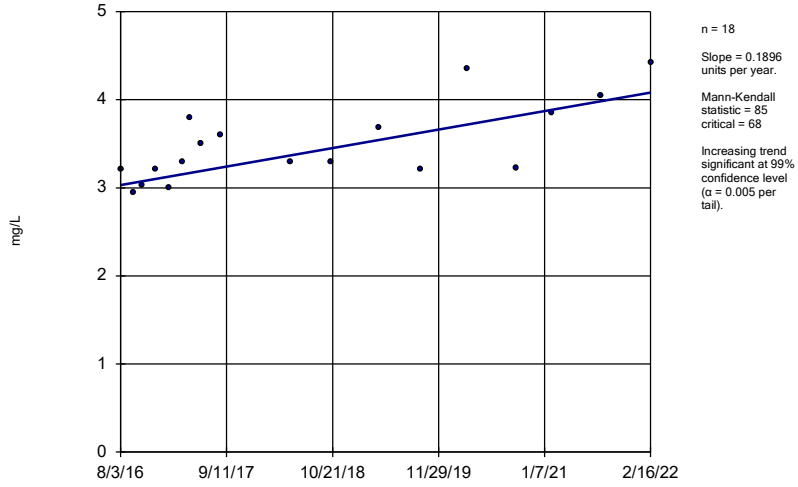
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 18

Slope = 0.1896 units per year.

Mann-Kendall statistic = 85 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

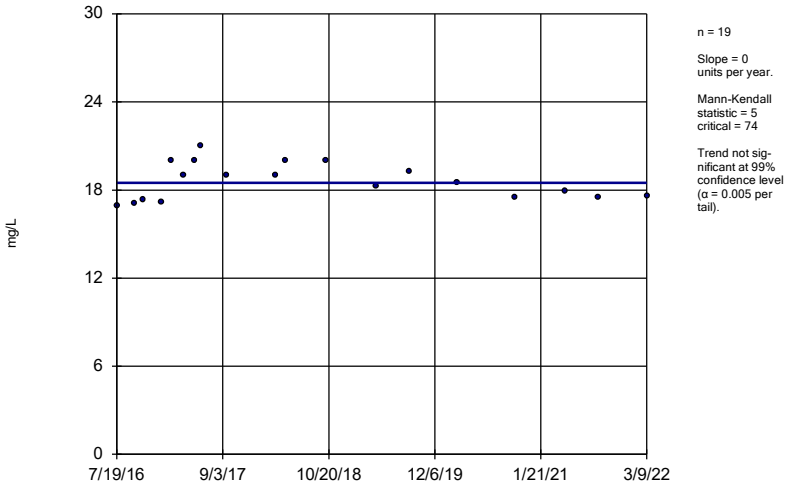
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-15



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

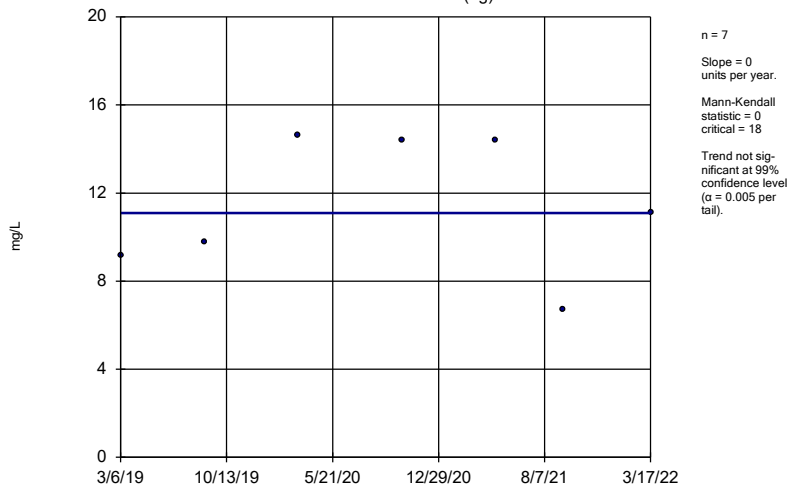
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

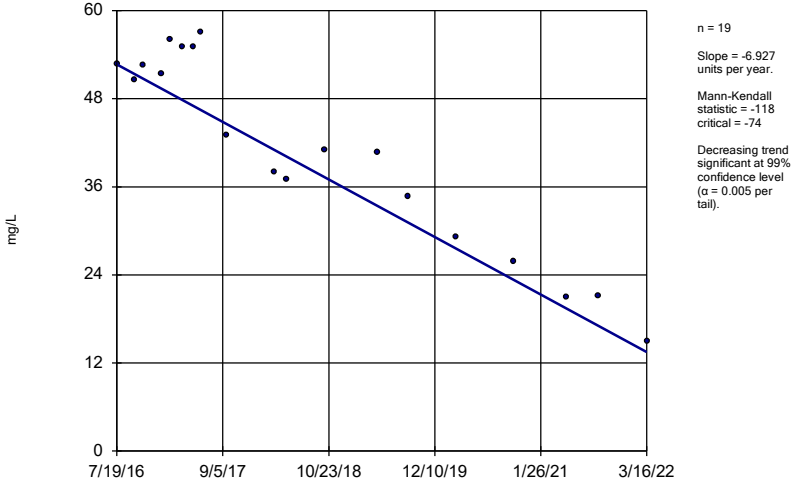
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 19

Slope = -6.927 units per year.

Mann-Kendall statistic = -118 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

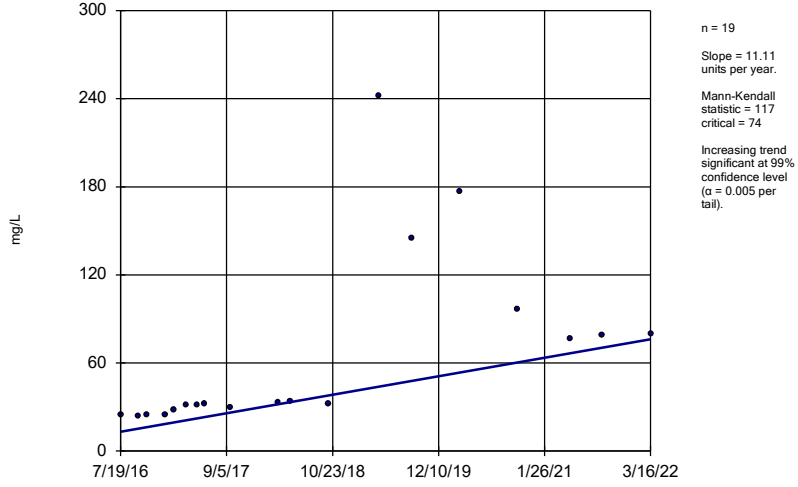
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 19

Slope = 11.11 units per year.

Mann-Kendall statistic = 117 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

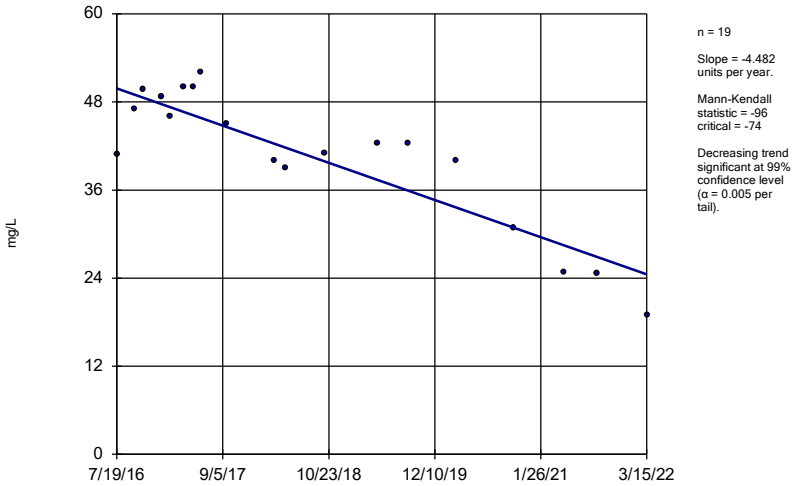
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-4



n = 19

Slope = -4.482 units per year.

Mann-Kendall statistic = -96
critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

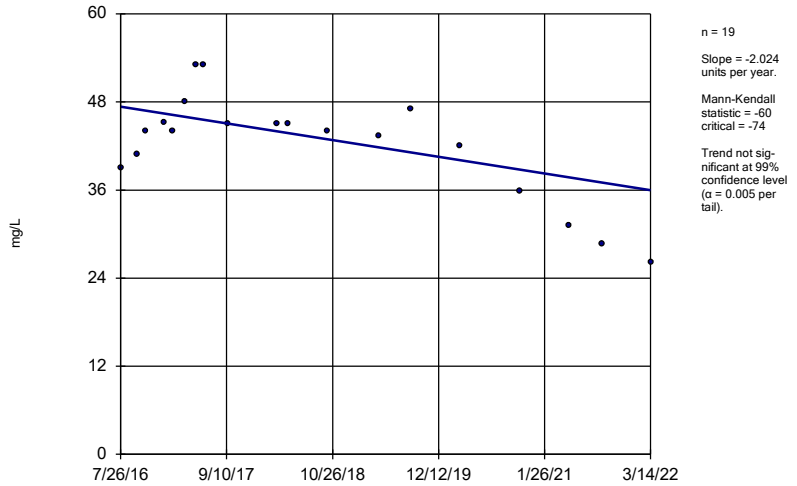
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-5



n = 19

Slope = -2.024 units per year.

Mann-Kendall statistic = -60
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

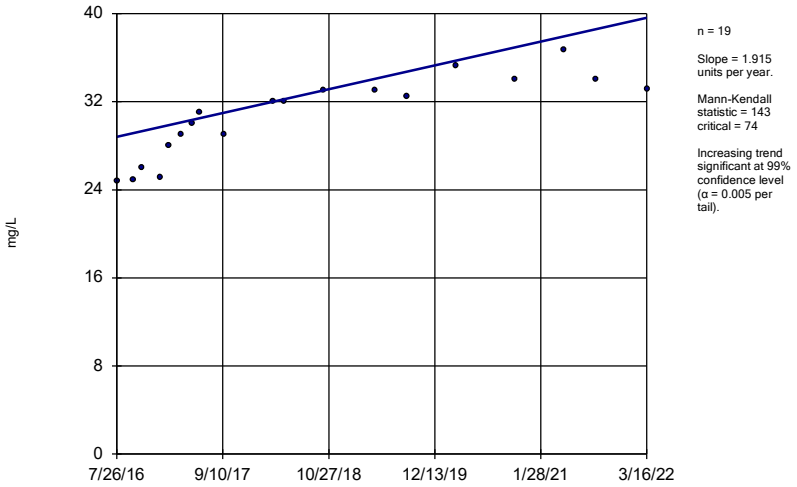
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-6



n = 19

Slope = 1.915 units per year.

Mann-Kendall statistic = 143
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

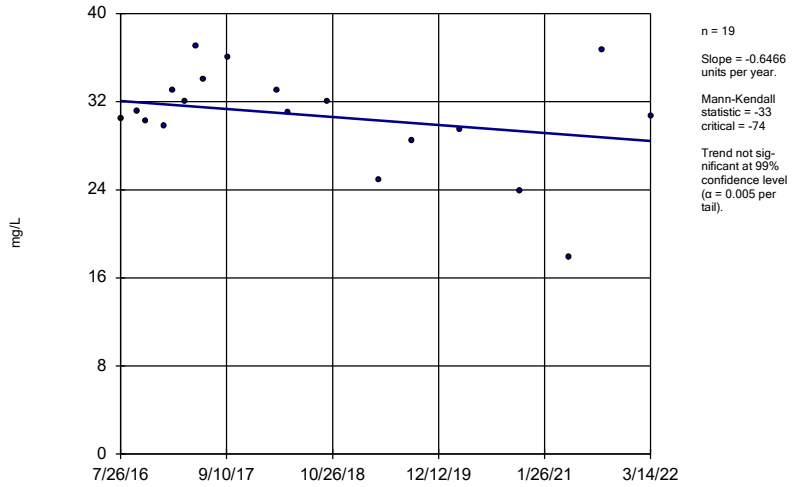
Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 19

Slope = -0.6466 units per year.

Mann-Kendall statistic = -33
critical = -74

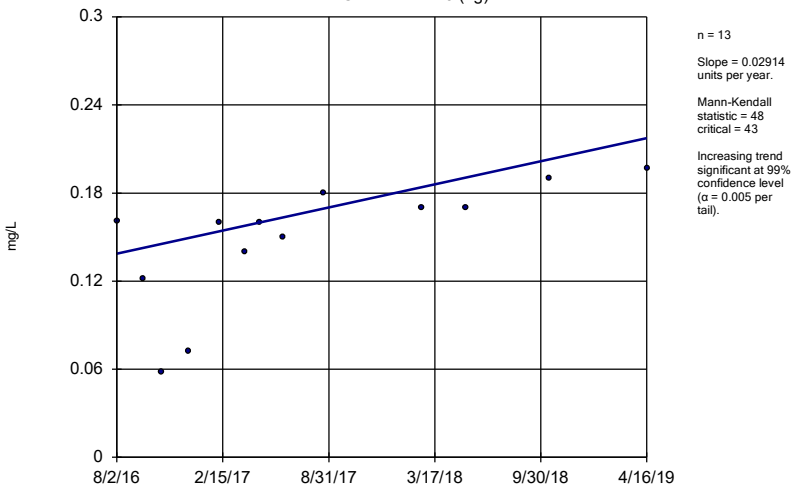
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 13

Slope = 0.02914 units per year.

Mann-Kendall statistic = 48
critical = 43

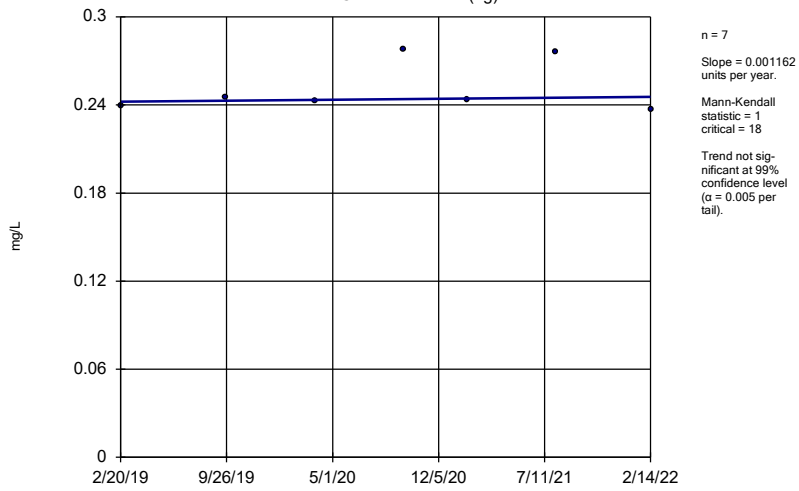
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = 0.001162 units per year.

Mann-Kendall statistic = 1
critical = 18

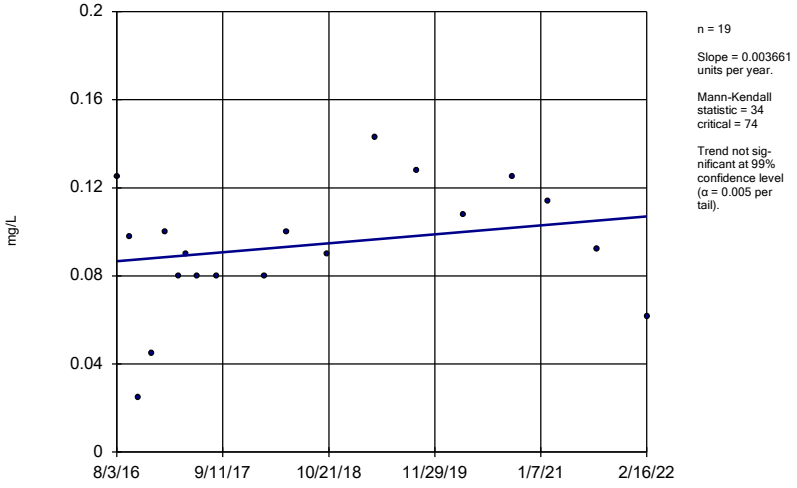
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = 0.003661 units per year.

Mann-Kendall statistic = 34
critical = 74

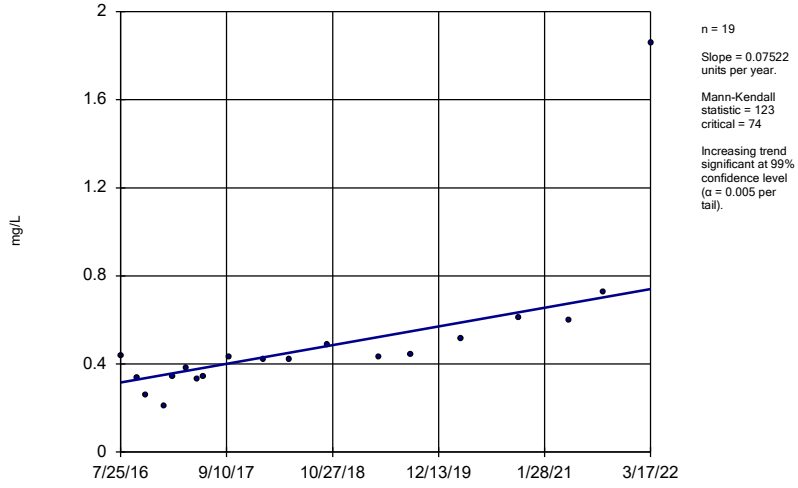
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-10



n = 19

Slope = 0.07522 units per year.

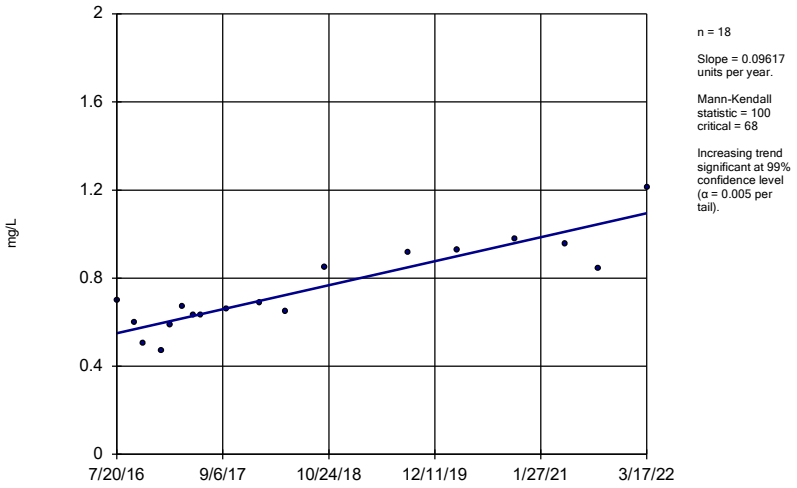
Mann-Kendall statistic = 123
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-12



n = 18

Slope = 0.09617 units per year.

Mann-Kendall statistic = 100 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

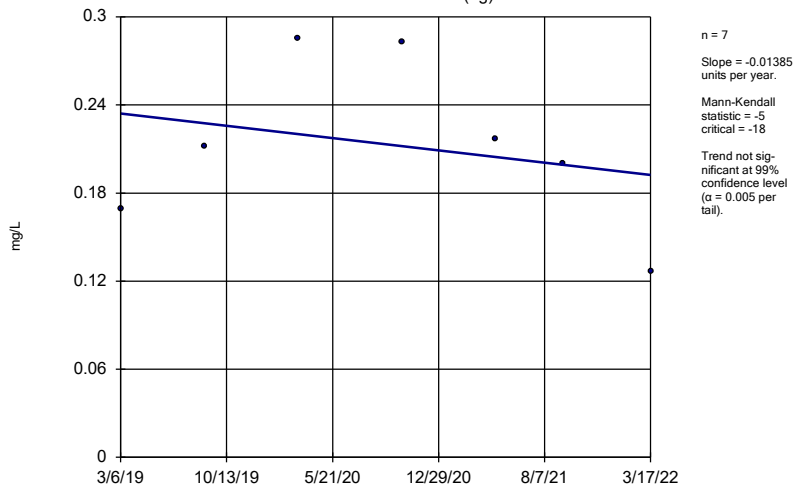
Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = -0.01385 units per year.

Mann-Kendall statistic = -5 critical = -18

Trend not significant at 99% confidence level (α = 0.005 per tail).

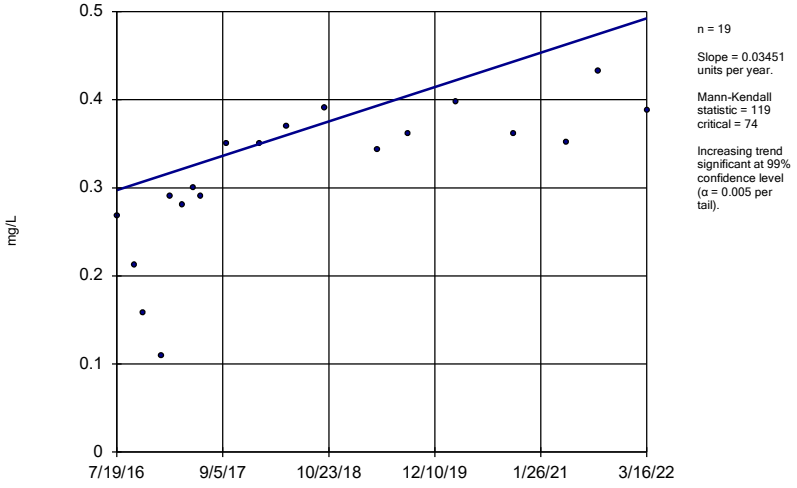
Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 19

Slope = 0.03451 units per year.

Mann-Kendall statistic = 119 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

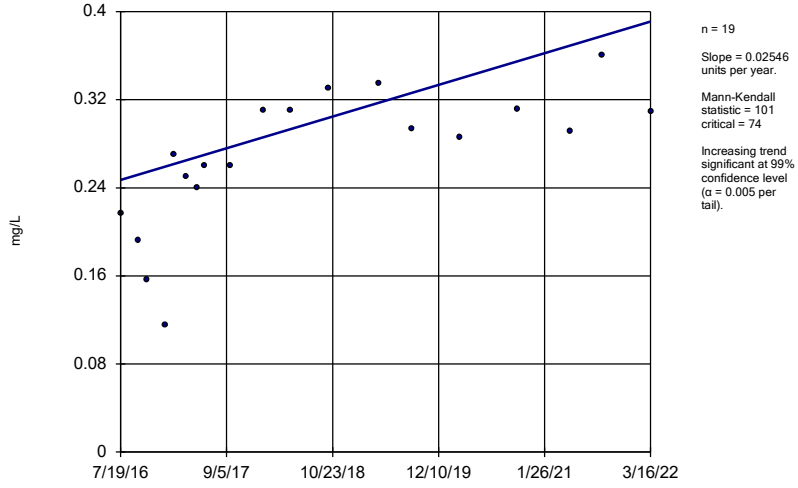
Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 19

Slope = 0.02546 units per year.

Mann-Kendall statistic = 101 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

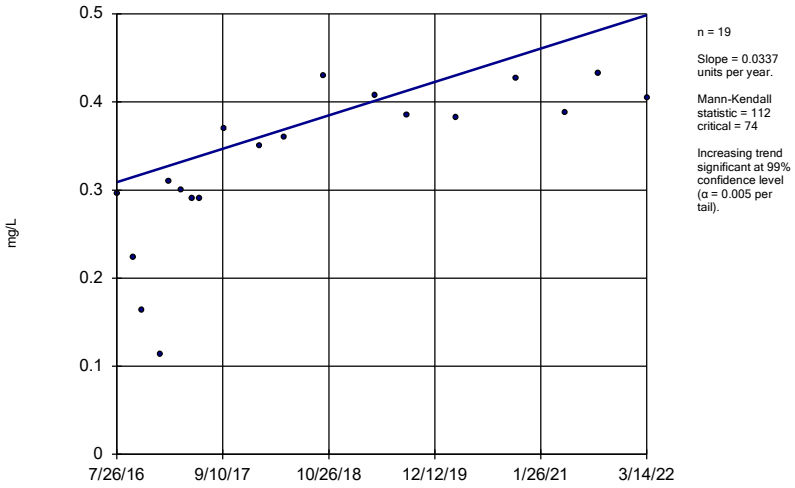
Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-5



n = 19

Slope = 0.0337 units per year.

Mann-Kendall statistic = 112
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

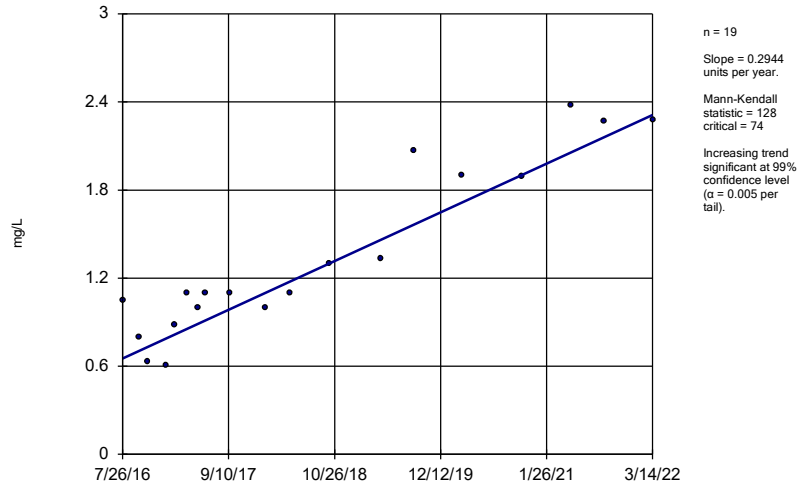
Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 19

Slope = 0.2944 units per year.

Mann-Kendall statistic = 128
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

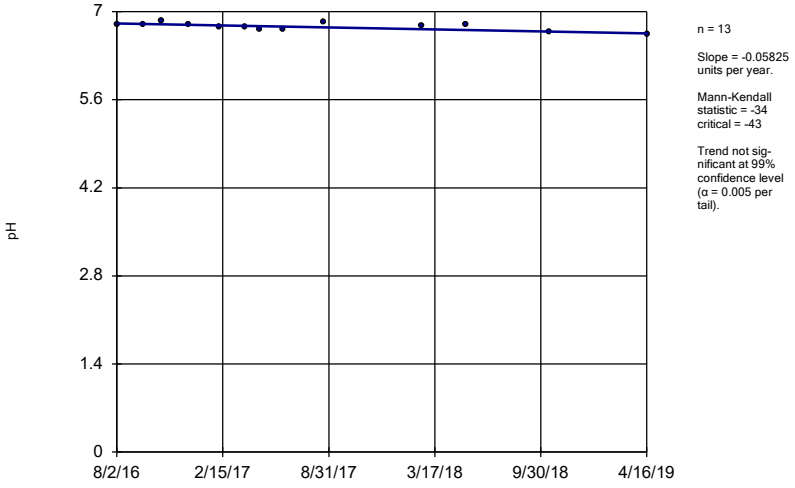
Constituent: Fluoride, total Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 13

Slope = -0.05825 units per year.

Mann-Kendall statistic = -34
critical = -43

Trend not significant at 99% confidence level (α = 0.005 per tail).

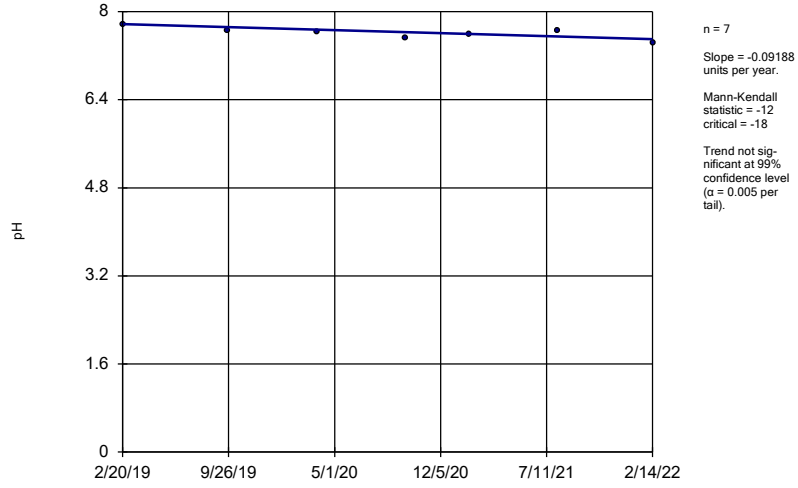
Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = -0.09188 units per year.

Mann-Kendall statistic = -12
critical = -18

Trend not significant at 99% confidence level (α = 0.005 per tail).

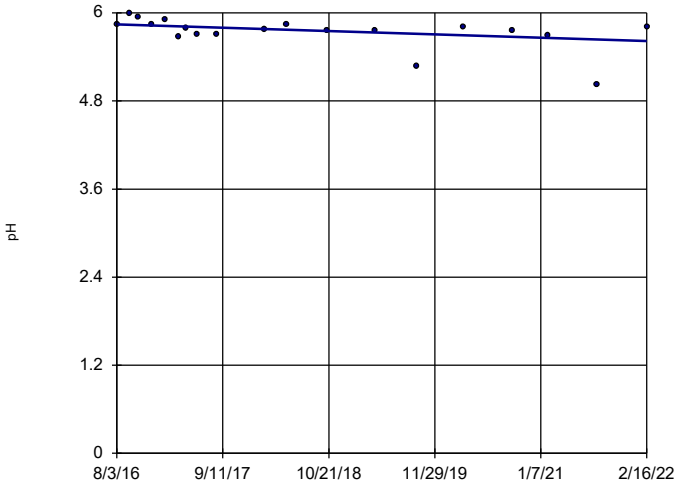
Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = -0.04138 units per year.

Mann-Kendall statistic = -73
critical = -74

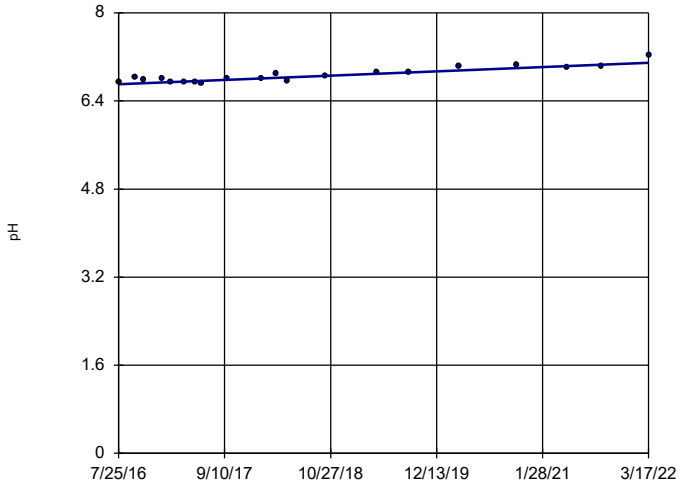
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-10



n = 20

Slope = 0.06835 units per year.

Mann-Kendall statistic = 122
critical = 81

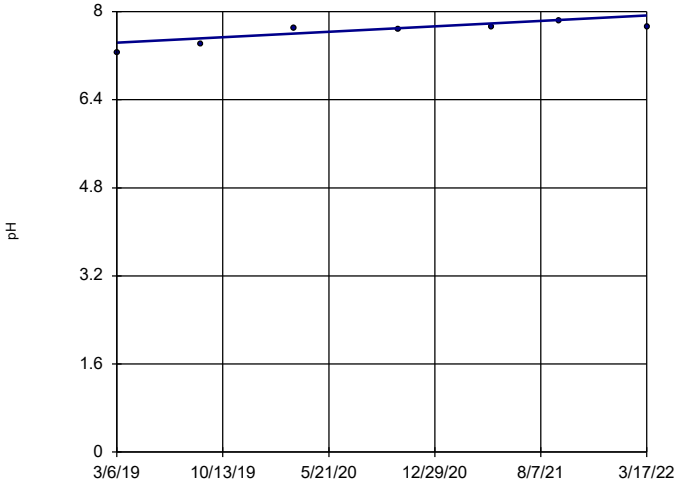
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = 0.1629 units per year.

Mann-Kendall statistic = 15
critical = 18

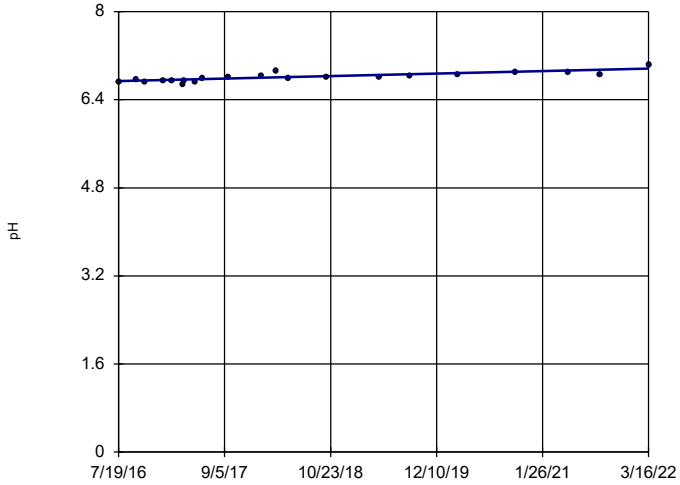
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 21

Slope = 0.03997 units per year.

Mann-Kendall statistic = 145
critical = 87

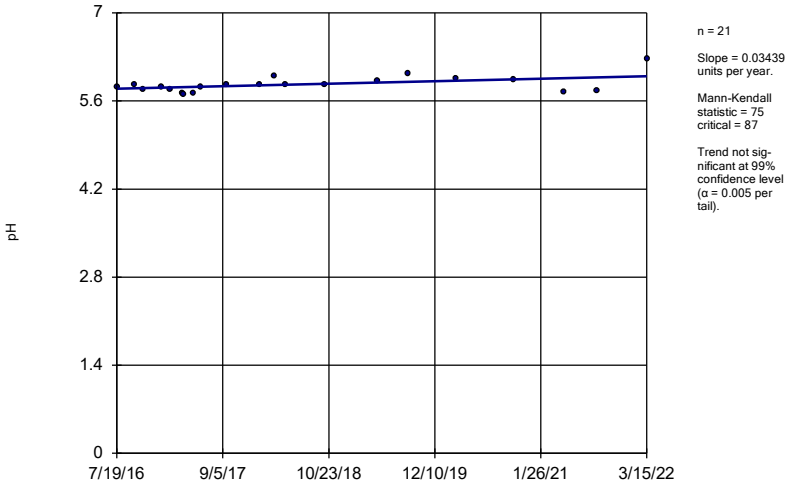
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-4



n = 21

Slope = 0.03439 units per year.

Mann-Kendall statistic = 75
critical = 87

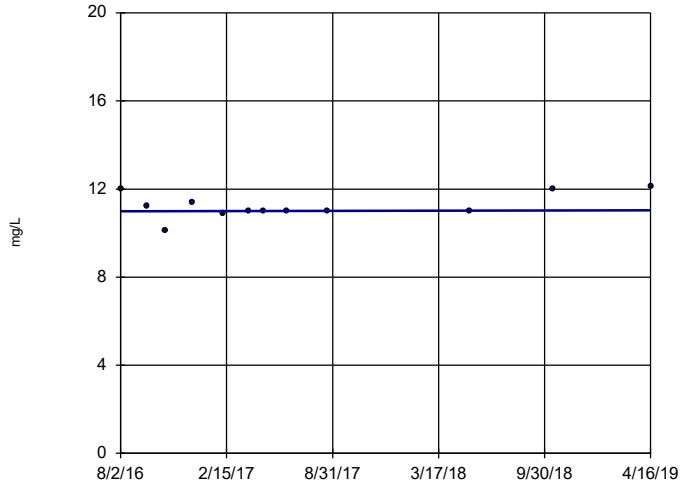
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = 0.01849 units per year.

Mann-Kendall statistic = 11
critical = 38

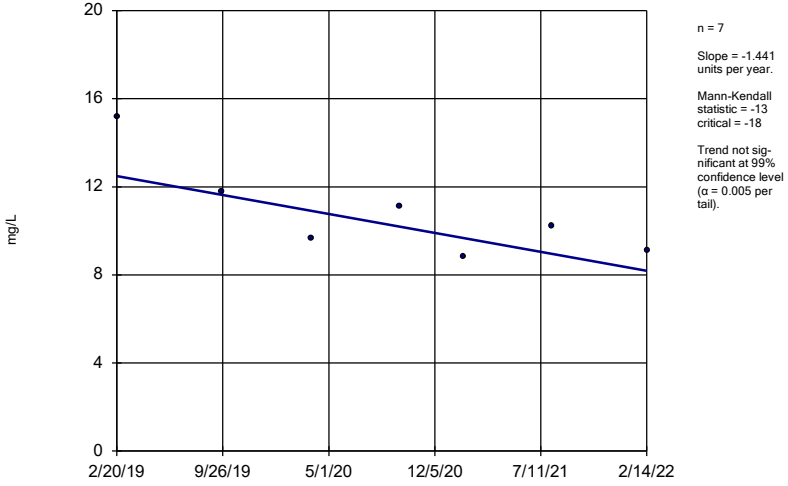
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = -1.441 units per year.

Mann-Kendall statistic = -13
critical = -18

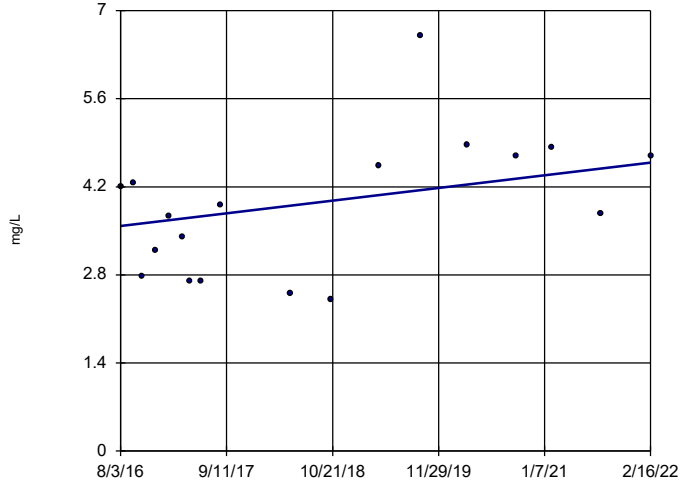
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 18

Slope = 0.1821 units per year.

Mann-Kendall statistic = 34
critical = 68

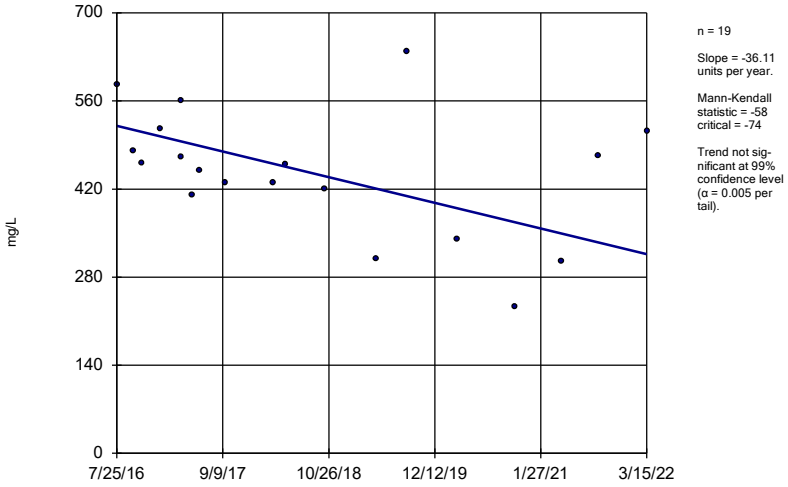
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-1



n = 19

Slope = -36.11 units per year.

Mann-Kendall statistic = -58
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

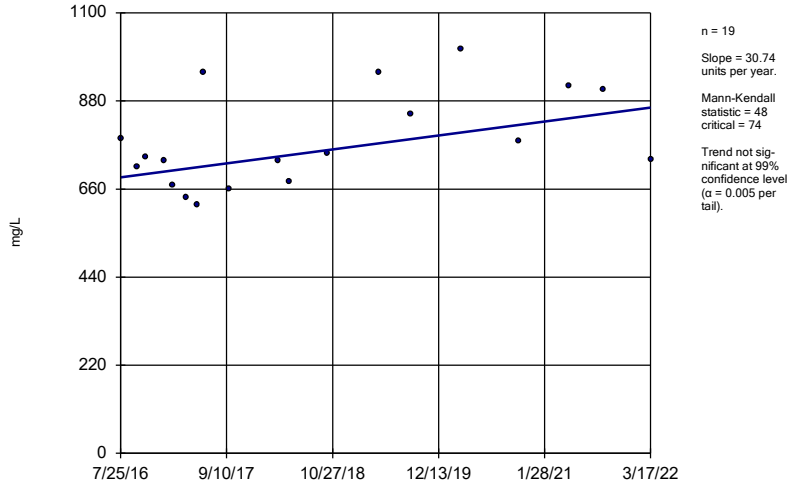
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-10



n = 19

Slope = 30.74 units per year.

Mann-Kendall statistic = 48
critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

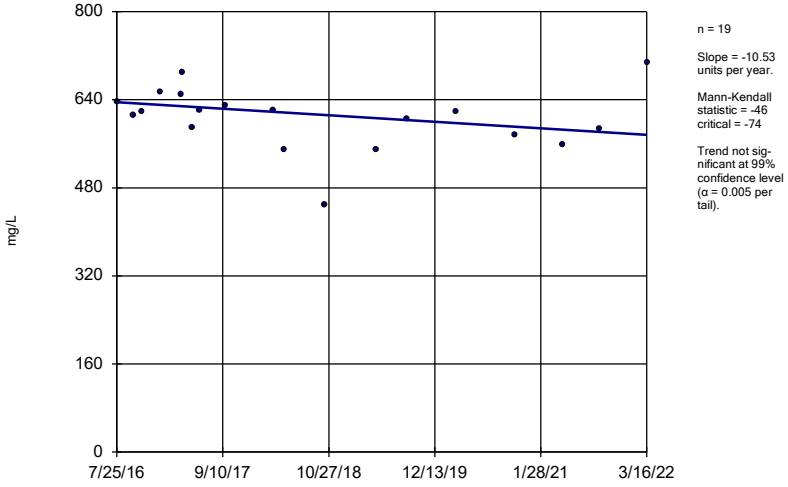
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-11



n = 19

Slope = -10.53 units per year.

Mann-Kendall statistic = -46
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

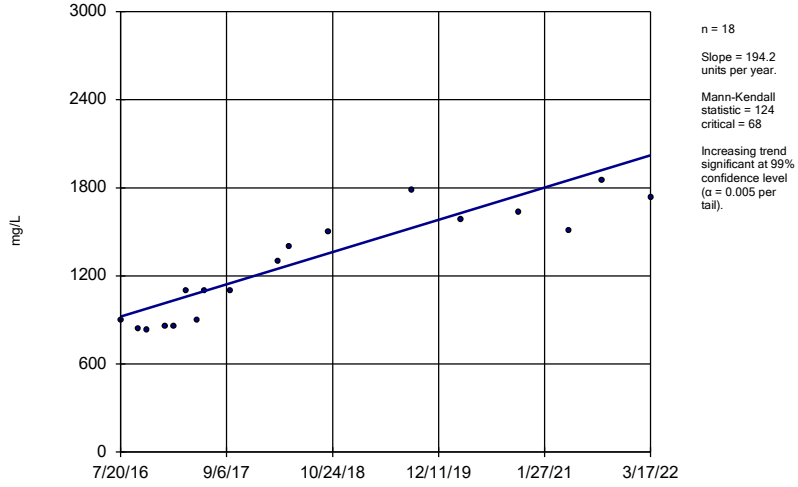
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-12



n = 18

Slope = 194.2 units per year.

Mann-Kendall statistic = 124
critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

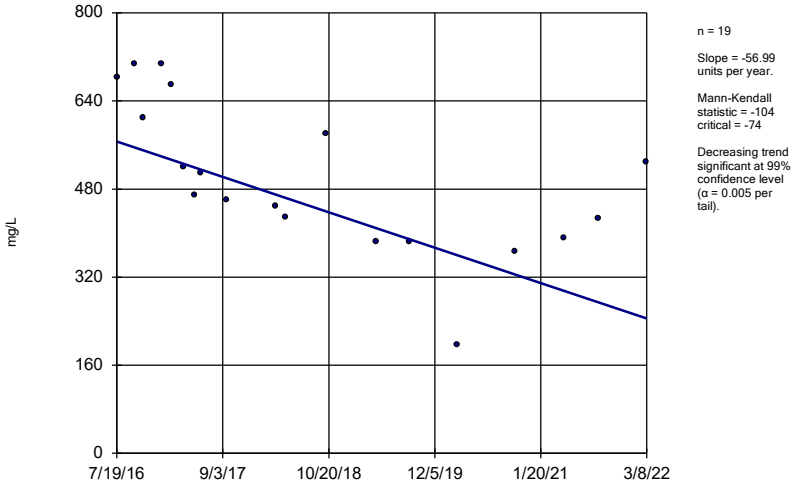
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-16



n = 19

Slope = -56.99 units per year.

Mann-Kendall statistic = -104 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

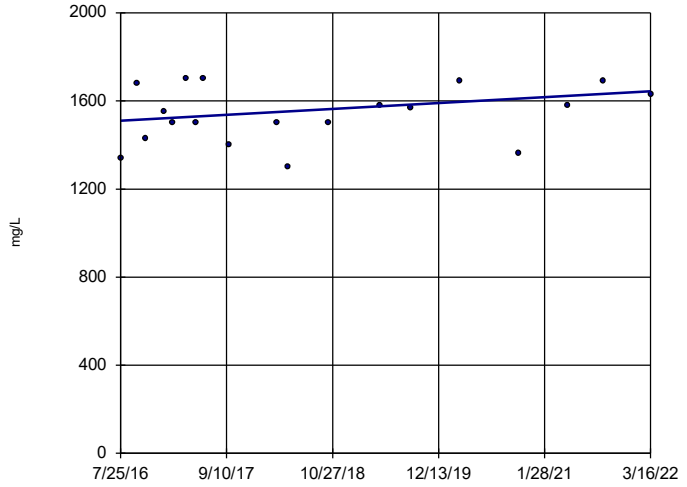
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-2



n = 19

Slope = 23.5 units per year.

Mann-Kendall statistic = 32 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

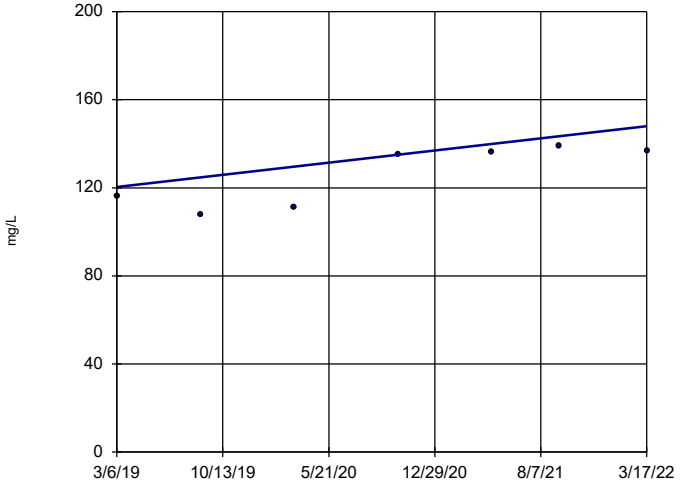
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = 9.095 units per year.

Mann-Kendall statistic = 15 critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

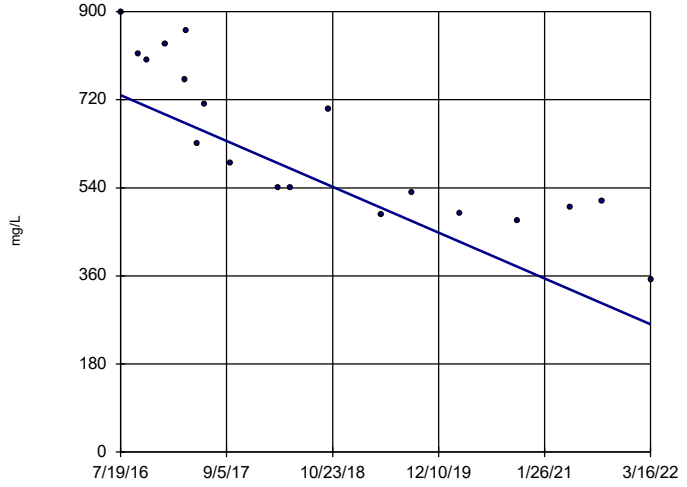
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 19

Slope = -82.71 units per year.

Mann-Kendall statistic = -130 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

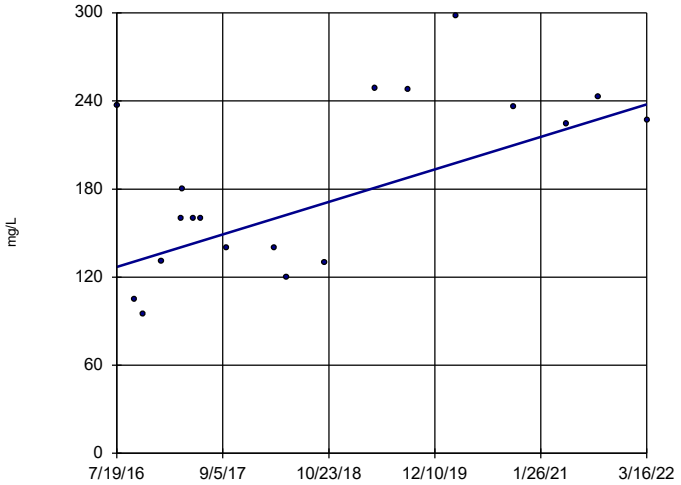
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 19

Slope = 19.57 units per year.

Mann-Kendall statistic = 57 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

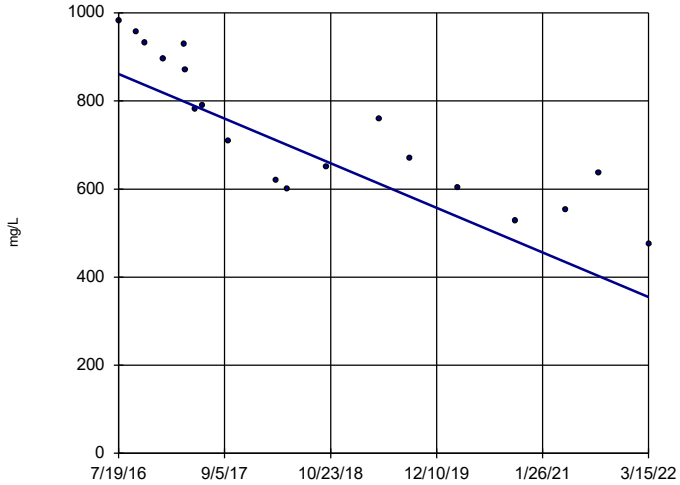
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-4



n = 19

Slope = -89.47 units per year.

Mann-Kendall statistic = -135 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

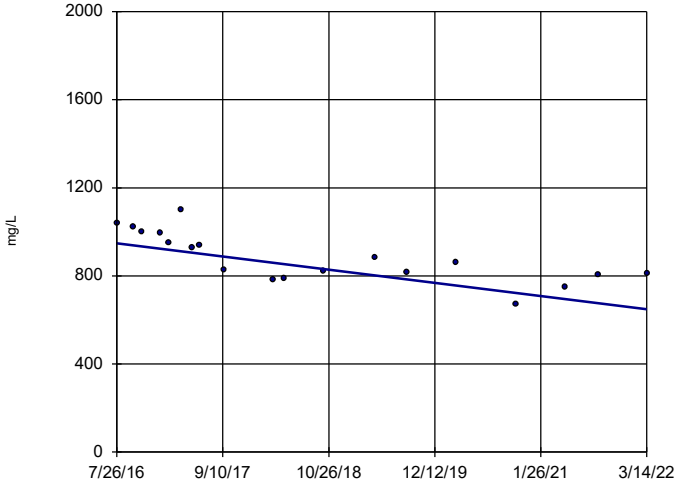
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-5



n = 19

Slope = -52.98 units per year.

Mann-Kendall statistic = -111 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

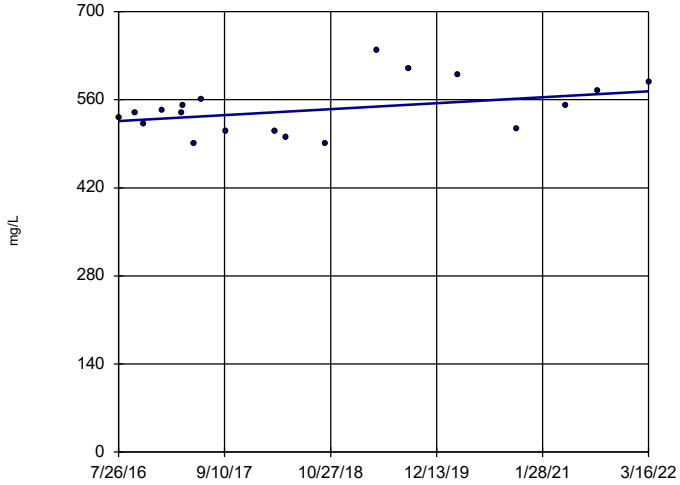
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-6



n = 19

Slope = 8.425 units per year.

Mann-Kendall statistic = 38 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

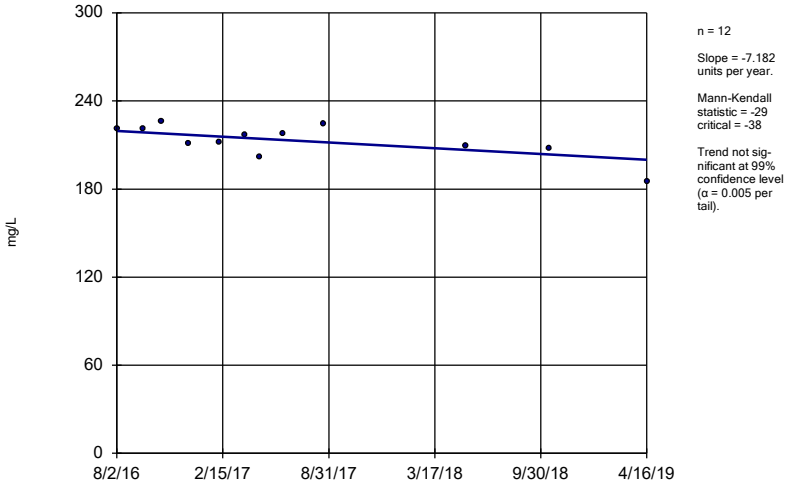
Constituent: Sulfate as SO4 Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = -7.182 units per year.

Mann-Kendall statistic = -29 critical = -38

Trend not significant at 99% confidence level (α = 0.005 per tail).

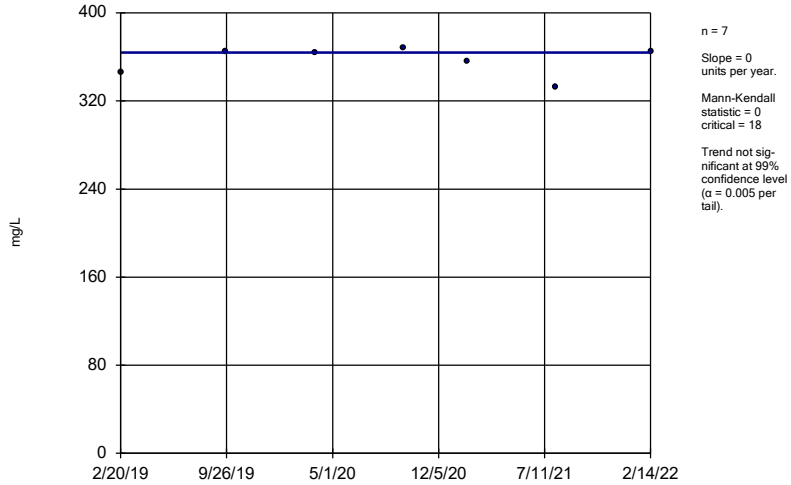
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 7

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

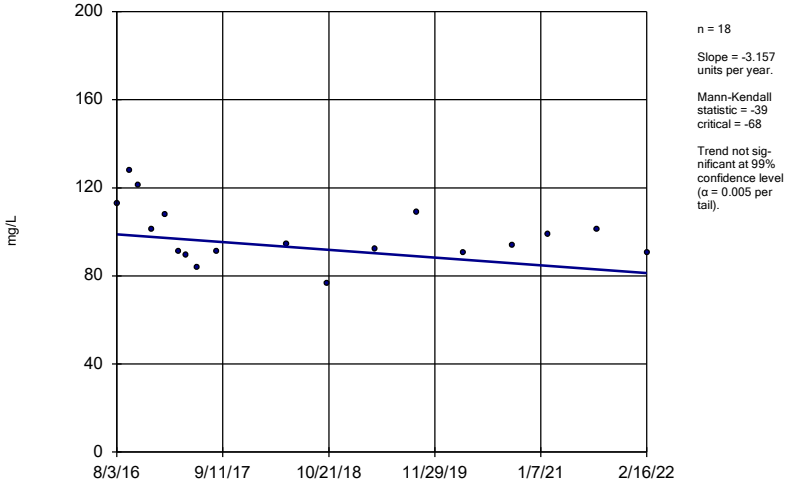
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 18

Slope = -3.157 units per year.

Mann-Kendall statistic = -39 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

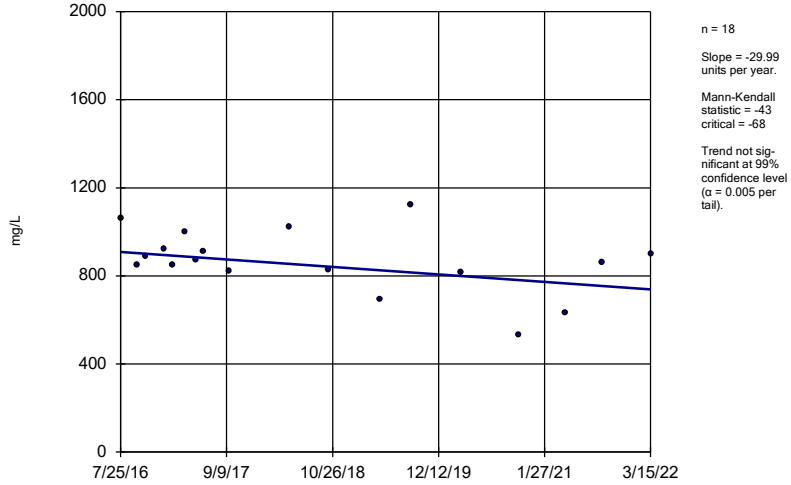
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-1



n = 18

Slope = -29.99 units per year.

Mann-Kendall statistic = -43 critical = -68

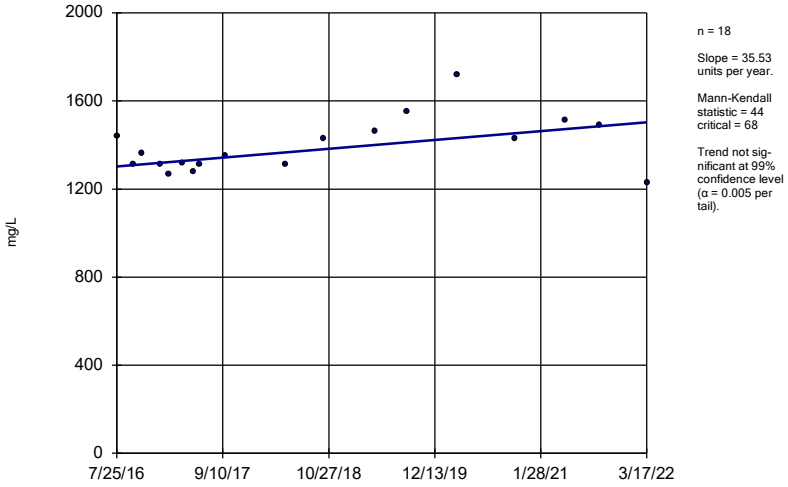
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-10



n = 18

Slope = 35.53 units per year.

Mann-Kendall statistic = 44
critical = 68

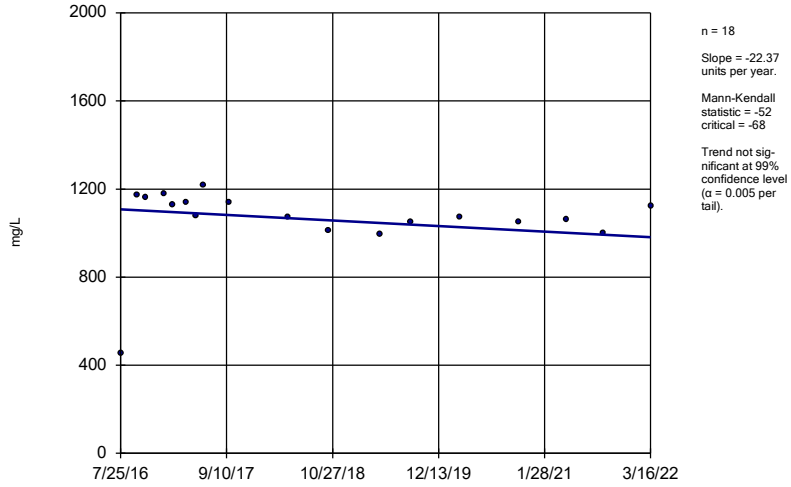
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-11



n = 18

Slope = -22.37 units per year.

Mann-Kendall statistic = -52
critical = -68

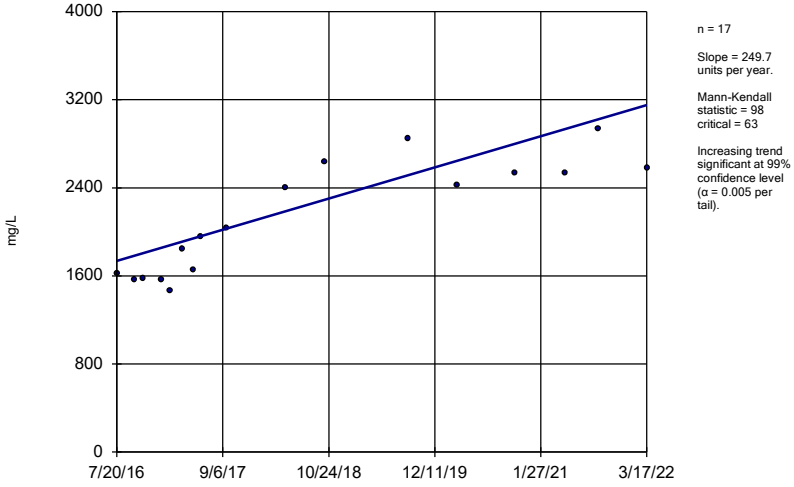
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-12



n = 17

Slope = 249.7 units per year.

Mann-Kendall statistic = 98
critical = 63

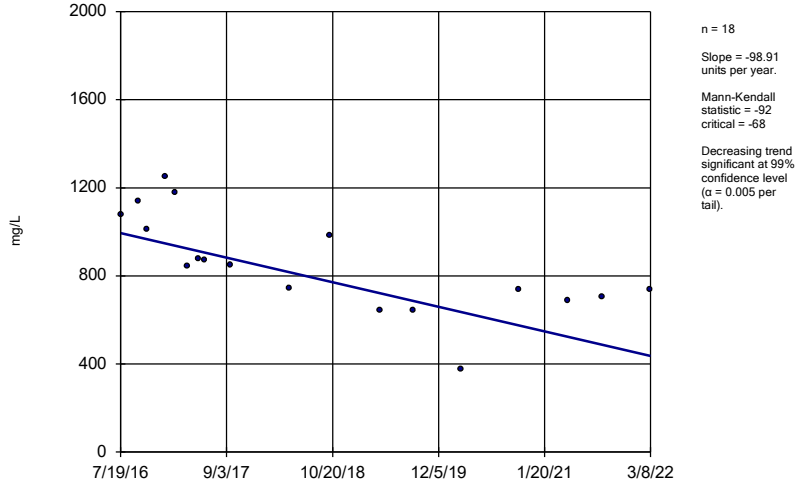
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-16



n = 18

Slope = -98.91 units per year.

Mann-Kendall statistic = -92
critical = -68

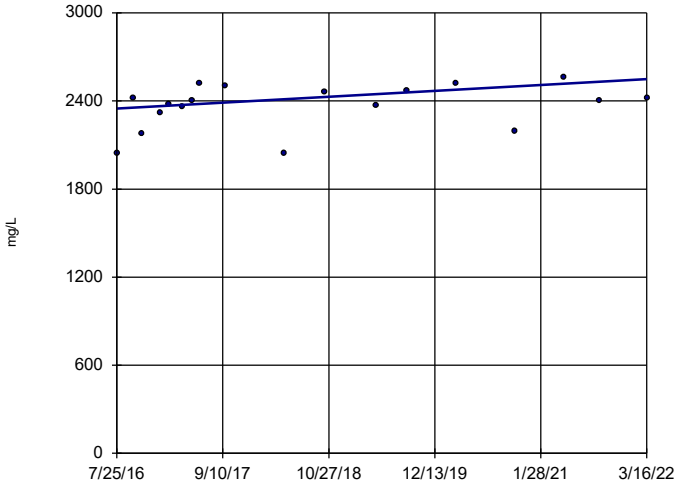
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-2



n = 18

Slope = 35.55 units per year.

Mann-Kendall statistic = 51 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

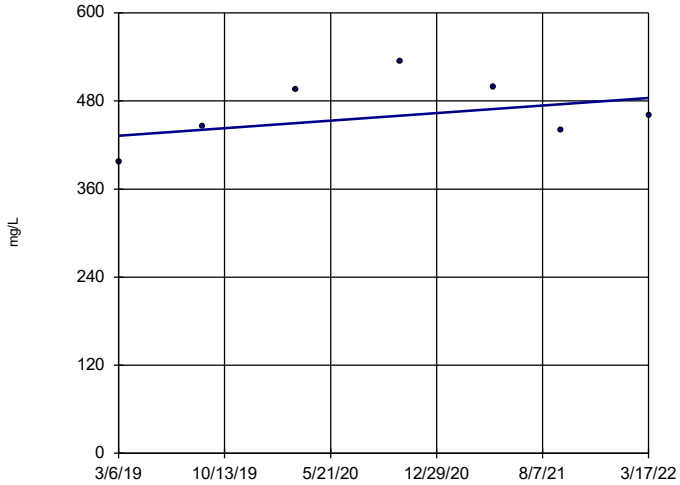
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 7

Slope = 17 units per year.

Mann-Kendall statistic = 5 critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

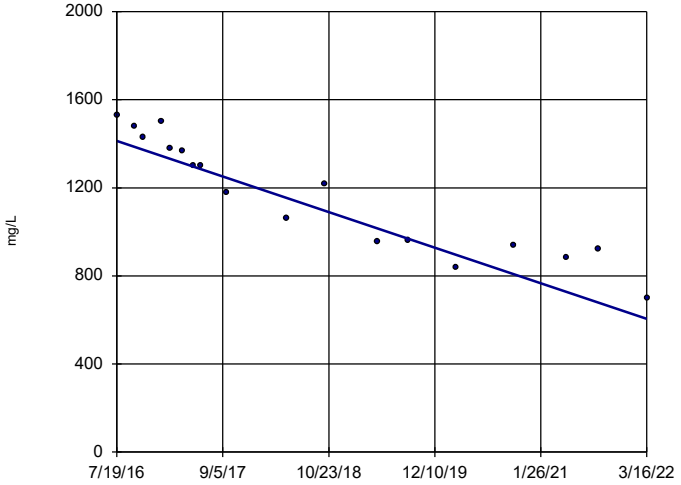
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 18

Slope = -142.8 units per year.

Mann-Kendall statistic = -134 critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

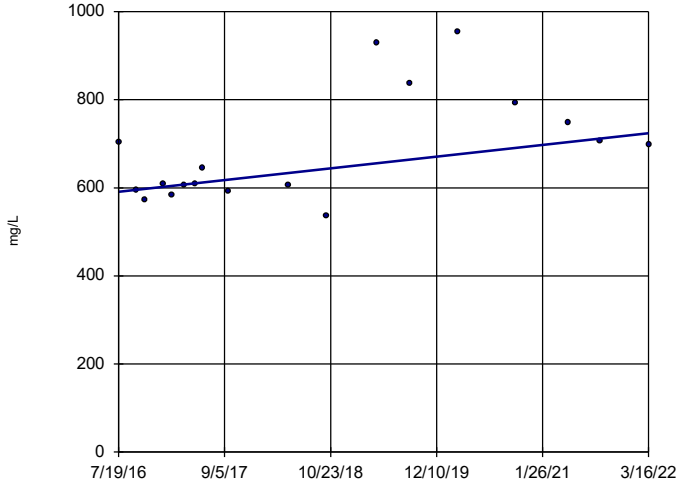
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 18

Slope = 23.44 units per year.

Mann-Kendall statistic = 49 critical = 68

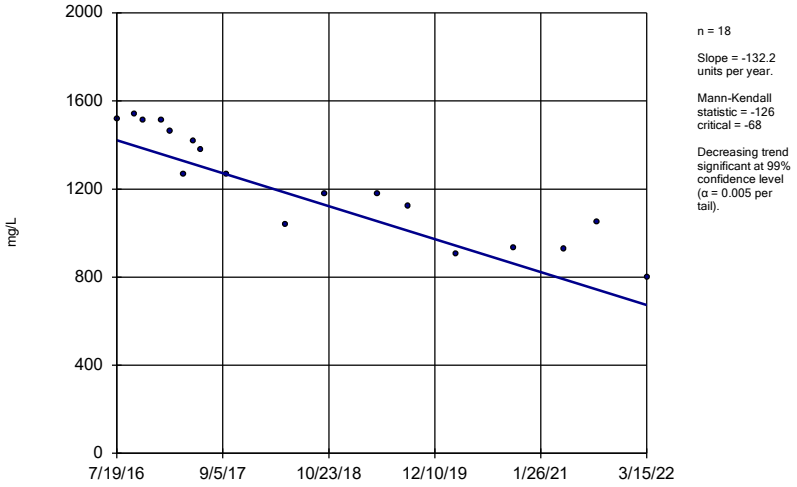
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-4



n = 18

Slope = -132.2 units per year.

Mann-Kendall statistic = -126
critical = -68

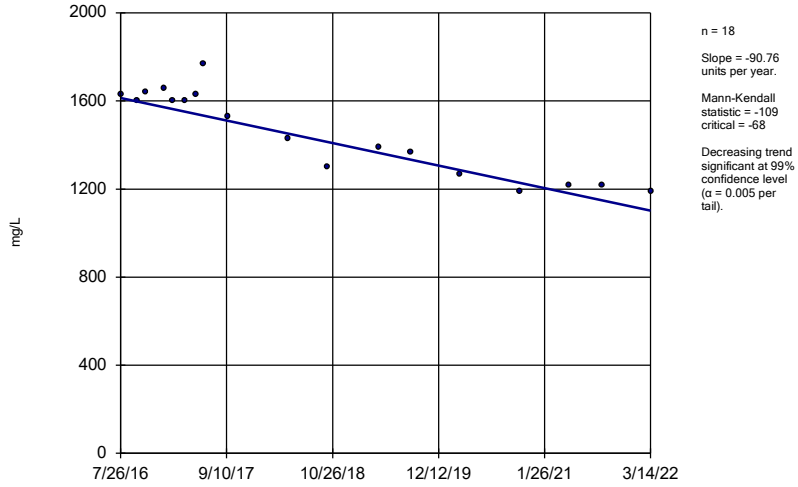
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-5



n = 18

Slope = -90.76 units per year.

Mann-Kendall statistic = -109
critical = -68

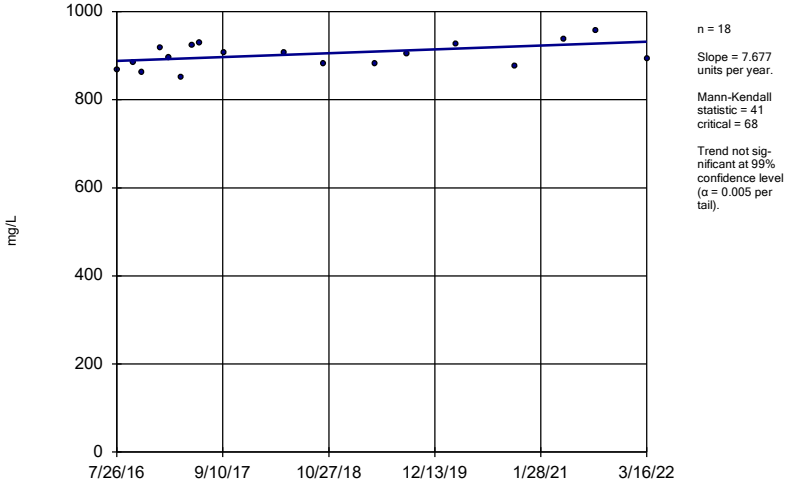
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-MW-6



n = 18

Slope = 7.677 units per year.

Mann-Kendall statistic = 41
critical = 68

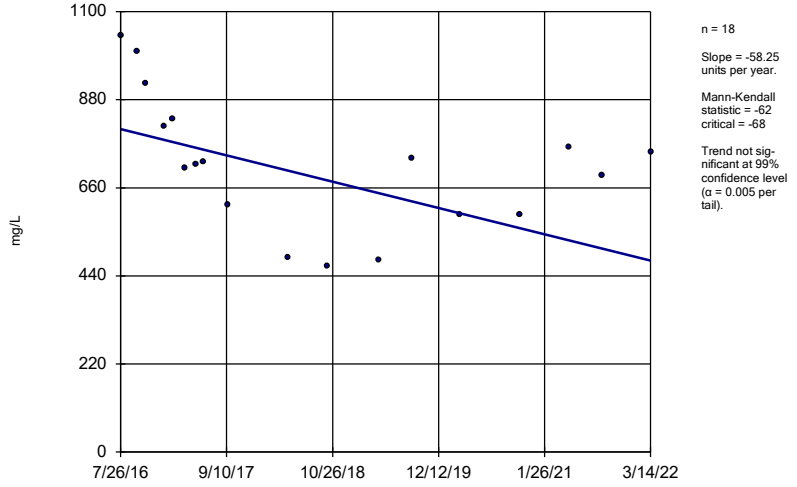
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 18

Slope = -58.25 units per year.

Mann-Kendall statistic = -62
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/18/2022 2:04 PM View: Trend
Plant Miller Client: Southern Company Data: Miller Ash Pond

FIGURE G.

Upper Tolerance Limits - Summary Table

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 1/4/2022, 3:38 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	68.85	n/a	n/a	0.04377	NP Inter
Arsenic (mg/L)	n/a	0.00645	n/a	n/a	n/a	61	n/a	n/a	27.87	n/a	n/a	0.04377	NP Inter
Barium (mg/L)	n/a	12.4	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Beryllium (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Chromium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	45.9	n/a	n/a	0.04377	NP Inter
Cobalt (mg/L)	n/a	0.00362	n/a	n/a	n/a	61	n/a	n/a	78.69	n/a	n/a	0.04377	NP Inter
Combined Radium 226 + 228 (pCi/L)	n/a	7.07	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Fluoride, total (mg/L)	n/a	0.436	n/a	n/a	n/a	63	n/a	n/a	0	n/a	n/a	0.0395	NP Inter
Lead (mg/L)	n/a	0.00189	n/a	n/a	n/a	61	n/a	n/a	88.52	n/a	n/a	0.04377	NP Inter
Lithium (mg/L)	n/a	1.2	n/a	n/a	n/a	61	n/a	n/a	18.03	n/a	n/a	0.04377	NP Inter
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Molybdenum (mg/L)	n/a	0.0127	n/a	n/a	n/a	61	n/a	n/a	31.15	n/a	n/a	0.04377	NP Inter
Selenium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter

FIGURE H.

MILLER AP GWPS			
Analyte	**Units**	**Background**	**GWPS**
Antimony	mg/L	0.003	0.006
Arsenic	mg/L	0.00645	0.01
Barium	mg/L	12.4	2
Beryllium	mg/L	0.003	0.004
Cadmium	mg/L	0.001	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00362	0.006
Combined Radium-226/228	pCi/L	7.07	5
Fluoride	mg/L	0.436	4
Lead	mg/L	0.00189	0.015
Lithium	mg/L	1.2	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.0127	0.1
Selenium	mg/L	0.01	0.05
Thallium	mg/L	0.001	0.002

Notes:

1. mg/L - Milligrams per liter

2. pCi/L - Picocuries per liter

3. The background limits were used as the groundwater protection standard (GWPS) when appropriate under 40 CFR §257.95(h), ADEM Rule 335-13-15-.06(h), and the ADEM Variance.

4. GWPS established during second semi-annual sampling event in 2021.

FIGURE I.

Confidence Interval Summary Table - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (mg/L)	**MR-AP-MW-5**	**0.01307**	**0.01009**	**0.01**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MR-AP-MW-2**	**0.05746**	**0.03807**	**0.006**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-1**	**0.2081**	**0.09335**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2072**	**0.17**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.388**	**0.2298**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.1889**	**0.1154**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-2**	**0.272**	**0.2205**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1237**	**0.1014**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.353**	**0.2173**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.08411**	**0.06334**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07642**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1481**	**0.09443**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1724**	**0.1266**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0682**	**0.04**	**Yes**	**4**	**0**	**No**	**0.0625**	**NP (normality)**
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1692**	**0.1305**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.4863**	**0.1045**	**0.1**	**Yes**	**8**	**0**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9847**	**0.2843**	**0.1**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	MR-AP-MW-12	0.00102	0.00056	0.006	No	8	75	No	0.004	NP (normality)
Antimony (mg/L)	MR-AP-MW-16	0.00107	0.000768	0.006	No	8	75	No	0.004	NP (normality)
Antimony (mg/L)	MR-AP-MW-3D	0.00118	0.00102	0.006	No	8	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-3S	0.00126	0.00102	0.006	No	8	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-PZ-5	0.00102	0.0009	0.006	No	8	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	MR-AP-MW-1	0.0058	0.00174	0.01	No	8	0	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-10	0.061	0.00142	0.01	No	8	0	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-11	0.0002	0.00008	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-12	0.006179	0.002261	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13DR	0.0007872	0.00004582	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13SR	0.00219	-0.0001203	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-14R	0.0003156	0.0001334	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-15	0.00083	0.0002	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-16	0.0009	0.0002	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-2	0.004198	0.002037	0.01	No	8	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-3D	0.015	0.01	0.01	No	8	0	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-3S	0.002416	0.000478	0.01	No	8	12.5	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-4	0.0004	0.0002	0.01	No	8	62.5	No	0.004	NP (normality)
Arsenic (mg/L)	**MR-AP-MW-5**	**0.01307**	**0.01009**	**0.01**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	MR-AP-MW-6	0.0002	0.000104	0.01	No	8	75	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-7DR	0.007279	-0.002809	0.01	No	4	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-7SR	0.003068	0.001442	0.01	No	4	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9DR	0.001084	0.00001924	0.01	No	4	25	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9SR	0.001917	0.0002876	0.01	No	4	0	No	0.01	Param.
Arsenic (mg/L)	MR-AP-PZ-5	0.00166	0.00009	0.01	No	8	12.5	No	0.004	NP (normality)
Barium (mg/L)	MR-AP-MW-1	0.1037	0.0314	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-10	0.01822	0.01256	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-11	0.0411	0.03159	2	No	8	0	x^4	0.01	Param.
Barium (mg/L)	MR-AP-MW-12	0.01873	0.0143	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13DR	0.1789	0.01345	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13SR	0.05559	0.006662	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-14R	0.122	0.08837	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-15	0.06469	0.02841	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-16	0.02983	0.02022	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-2	0.0189	0.01473	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3D	0.03509	0.02296	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3S	0.3848	0.1147	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-4	0.01426	0.01199	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-5	0.01709	0.01504	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-6	0.02629	0.02331	2	No	8	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7DR	0.03581	0.02089	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7SR	0.04902	0.03698	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-9DR	0.04285	0.0353	2	No	4	0	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-9SR	0.0274	0.0169	2	No	4	0	No	0.0625	NP (normality)
Barium (mg/L)	MR-AP-PZ-5	0.261	0.1437	2	No	8	0	No	0.01	Param.
Beryllium (mg/L)	MR-AP-MW-13SR	0.001872	-0.001327	0.004	No	4	50	x^5	0.01	Param.
Cadmium (mg/L)	MR-AP-MW-1	0.0002	0.0002	0.005	No	8	100	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-10	0.0002	0.00009	0.005	No	8	87.5	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-12	0.0002	0.0000927	0.005	No	8	62.5	No	0.004	NP (normality)
Cadmium (mg/L)	MR-AP-MW-13SR	0.0002	0.0001	0.005	No	4	75	No	0.0625	NP (normality)
Cadmium (mg/L)	MR-AP-MW-16	0.0002	0.0002	0.005	No	8	100	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-2	0.0002	0.0002	0.005	No	8	100	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-4	0.0002	0.000073	0.005	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-1	0.006345	0.001009	0.1	No	8	12.5	sqrt(x)	0.01	Param.
Chromium (mg/L)	MR-AP-MW-10	0.00139	0.00047	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-11	0.00102	0.00027	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-12	0.00102	0.00048	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-13DR	0.0003862	0.0001523	0.1	No	4	50	sqrt(x)	0.01	Param.
Chromium (mg/L)	MR-AP-MW-13SR	0.000848	-0.000008623	0.1	No	4	25	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-14R	0.0005677	0.0001113	0.1	No	4	50	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-15	0.00102	0.00028	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-16	0.00102	0.00067	0.1	No	8	87.5	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-2	0.00102	0.00021	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-3D	0.00102	0.00027	0.1	No	8	75	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-3S	0.00102	0.00034	0.1	No	8	62.5	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-4	0.00102	0.00029	0.1	No	8	87.5	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-5	0.00102	0.00027	0.1	No	8	87.5	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-6	0.00102	0.00023	0.1	No	8	75	No	0.004	NP (normality)

Confidence Interval Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Chromium (mg/L)	MR-AP-MW-7DR	0.00102	0.0003	0.1	No	4	75	No	0.0625	NP (normality)
Chromium (mg/L)	MR-AP-MW-7SR	0.00102	0.000219	0.1	No	4	25	No	0.0625	NP (normality)
Chromium (mg/L)	MR-AP-MW-9DR	0.00102	0.00024	0.1	No	4	25	No	0.0625	NP (normality)
Chromium (mg/L)	MR-AP-MW-9SR	0.0003686	0.0001473	0.1	No	4	25	ln(x)	0.01	Param.
Chromium (mg/L)	MR-AP-PZ-5	0.00102	0.00021	0.1	No	8	75	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-1	0.00038	0.00008	0.006	No	8	62.5	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-10	0.00091	0.0002	0.006	No	8	62.5	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-11	0.0002	0.0002	0.006	No	8	100	No	0.004	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-12	0.00211	0.0002	0.006	No	8	50	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-13DR	0.001172	0.00004789	0.006	No	4	25	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-13SR	0.133	-0.01922	0.006	No	4	0	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-14R	0.0002	0.0000688	0.006	No	4	75	No	0.0625	NP (normality)
Cobalt (mg/L)	MR-AP-MW-15	0.0021	0.0002	0.006	No	8	50	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-16	0.004604	0.0001461	0.006	No	8	37.5	No	0.01	Param.
Cobalt (mg/L)	**MR-AP-MW-2**	**0.05746**	**0.03807**	**0.006**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MR-AP-MW-3D	0.006128	0.004109	0.006	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-4	0.01674	0.005429	0.006	No	8	0	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-6	0.04361	0.003388	0.006	No	8	0	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-7SR	0.001183	0.00005491	0.006	No	4	25	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9DR	0.0002283	0.0000547	0.006	No	4	25	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9SR	0.0003763	0.00005923	0.006	No	4	25	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-1	0.754	0.312	5	No	8	0	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-10	1.065	0.1872	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-11	0.4972	0.1514	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-12	1.123	0.2547	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13DR	1.169	-0.06369	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13SR	1.624	-0.5434	5	No	4	0	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-14R	0.7822	-0.3622	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-15	0.6592	0.1336	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-16	1.15	-0.0538	5	No	8	0	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-2	0.8815	0.2887	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3D	0.7791	-0.03668	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3S	0.9054	-0.0004814	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-4	0.4736	0.1624	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-5	1.035	0.2397	5	No	8	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-6	0.4309	0.1337	5	No	8	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7DR	2.265	0.008515	5	No	4	0	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7SR	1.046	0.2137	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9DR	1.331	-0.1272	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9SR	0.5566	-0.007624	5	No	4	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-PZ-5	0.6921	0.1031	5	No	8	0	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-1	0.1855	0.146	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-10	1.86	0.433	4	No	8	0	No	0.004	NP (normality)
Fluoride, total (mg/L)	MR-AP-MW-11	0.1415	0.1115	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-12	1.083	0.7503	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13DR	0.2155	0.1055	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13SR	0.668	0.3025	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-14R	0.197	0.154	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-15	0.1301	0.1035	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-16	0.2361	0.1371	4	No	8	0	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-2	0.3298	0.1227	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3D	0.4095	0.3468	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3S	0.3419	0.2873	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-4	0.2896	0.1839	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-5	0.4294	0.3849	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-6	0.1665	0.1055	4	No	8	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7DR	0.1687	0.09626	4	No	4	25	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7SR	0.2607	0.2053	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9DR	0.2311	0.06135	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9SR	0.1791	0.08386	4	No	4	0	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-PZ-5	2.37	1.485	4	No	8	0	No	0.01	Param.
Lead (mg/L)	MR-AP-MW-13DR	0.0002	0.000121	0.015	No	4	75	No	0.0625	NP (normality)
Lead (mg/L)	MR-AP-MW-13SR	0.0002	0.00011	0.015	No	4	75	No	0.0625	NP (normality)
Lead (mg/L)	MR-AP-MW-3D	0.0002	0.000084	0.015	No	8	87.5	No	0.004	NP (NDs)
Lithium (mg/L)	**MR-AP-MW-1**	**0.2081**	**0.09335**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2072**	**0.17**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.388**	**0.2298**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.1889**	**0.1154**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**

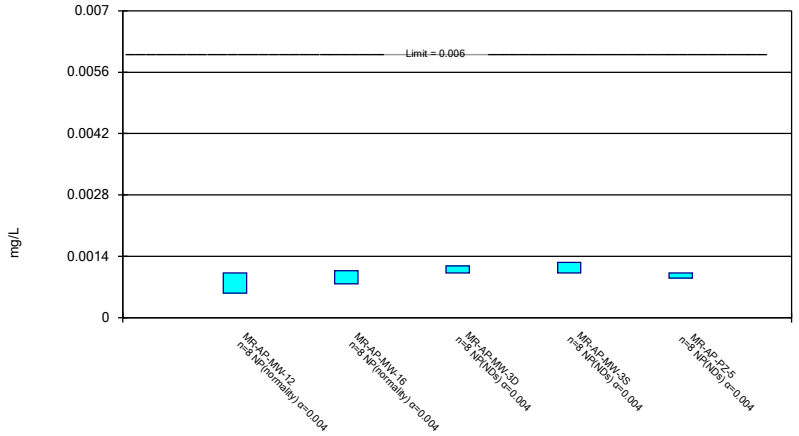
Confidence Interval Summary Table - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 5/17/2022, 7:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Lithium (mg/L)	MR-AP-MW-13DR	0.03913	0.02917	0.04	No	4	0	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-13SR	0.06054	0.01048	0.04	No	4	0	x^(1/3)	0.01	Param.
Lithium (mg/L)	MR-AP-MW-14R	0.02231	0.01899	0.04	No	4	0	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-15	0.02018	0.01855	0.04	No	8	12.5	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-16	0.1218	0.02708	0.04	No	8	0	No	0.01	Param.
Lithium (mg/L)	**MR-AP-MW-2**	**0.272**	**0.2205**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1237**	**0.1014**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.353**	**0.2173**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.08411**	**0.06334**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07642**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1481**	**0.09443**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1724**	**0.1266**	**0.04**	**Yes**	**4**	**0**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0682**	**0.04**	**Yes**	**4**	**0**	**No**	**0.0625**	**NP (normality)**
Lithium (mg/L)	MR-AP-MW-9SR	0.05003	0.03632	0.04	No	4	0	No	0.01	Param.
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1692**	**0.1305**	**0.04**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Mercury (mg/L)	MR-AP-MW-15	0.0005	0.000316	0.002	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-3S	0.0005	0.000318	0.002	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-5	0.0005	0.000319	0.002	No	8	87.5	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-PZ-5	0.0005	0.000311	0.002	No	8	87.5	No	0.004	NP (NDs)
Molybdenum (mg/L)	MR-AP-MW-1	0.0117	0.005197	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.4863**	**0.1045**	**0.1**	**Yes**	**8**	**0**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-11	0.00075	0.000203	0.1	No	8	62.5	No	0.004	NP (normality)
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9847**	**0.2843**	**0.1**	**Yes**	**8**	**0**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-13DR	0.007366	0.00002412	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-13SR	0.009842	0.00001489	0.1	No	4	0	ln(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-14R	0.0001845	0.00006012	0.1	No	4	25	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-15	0.000203	0.00008	0.1	No	8	75	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-16	0.07388	0.009749	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-2	0.00458	0.000203	0.1	No	8	50	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-3D	0.02676	0.02376	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-3S	0.06339	0.04228	0.1	No	8	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-4	0.000203	0.00007	0.1	No	8	62.5	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-5	0.0877	0.0686	0.1	No	8	0	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-6	0.004552	0.0006613	0.1	No	8	12.5	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7DR	0.005661	0.003289	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7SR	0.03751	0.03069	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9DR	0.001549	0.00001102	0.1	No	4	25	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9SR	0.003083	-0.0008982	0.1	No	4	0	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-PZ-5	0.000438	0.000203	0.1	No	8	62.5	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-16	0.00629	0.000975	0.05	No	8	37.5	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-4	0.00112	0.00077	0.05	No	8	75	No	0.004	NP (normality)
Thallium (mg/L)	MR-AP-MW-13SR	0.0001529	0.00003384	0.002	No	4	25	No	0.01	Param.
Thallium (mg/L)	MR-AP-MW-16	0.0002	0.00007	0.002	No	8	75	No	0.004	NP (normality)
Thallium (mg/L)	MR-AP-MW-2	0.0002	0.0002	0.002	No	8	100	No	0.004	NP (NDs)
Thallium (mg/L)	MR-AP-MW-4	0.0002	0.00007	0.002	No	8	87.5	No	0.004	NP (NDs)

Non-Parametric Confidence Interval

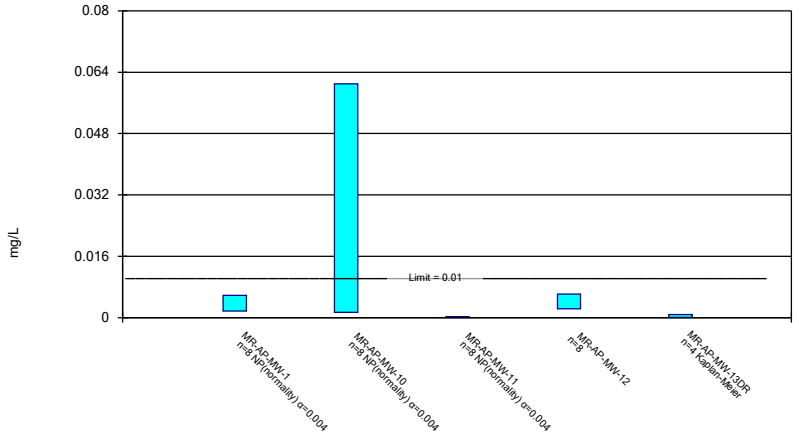
Compliance Limit is not exceeded.



Constituent: Antimony Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

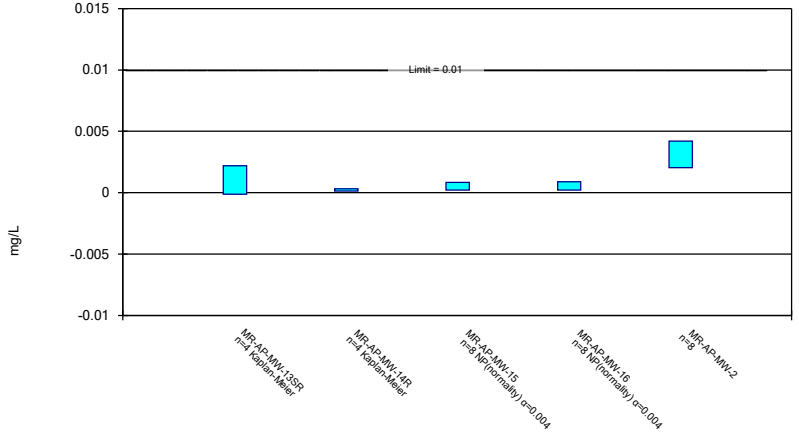
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

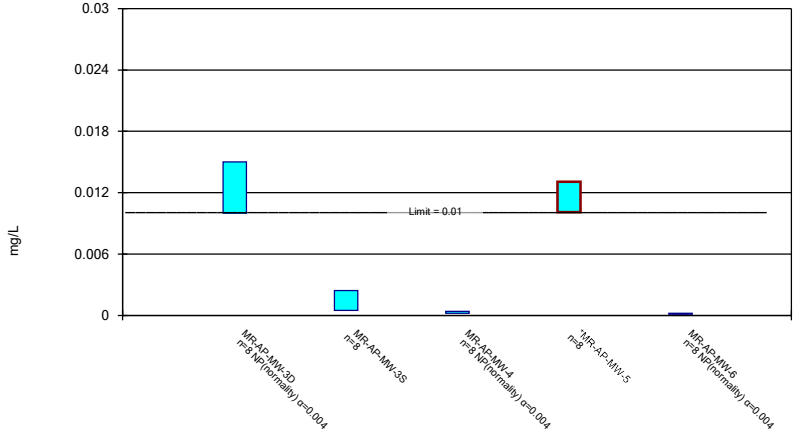
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

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.

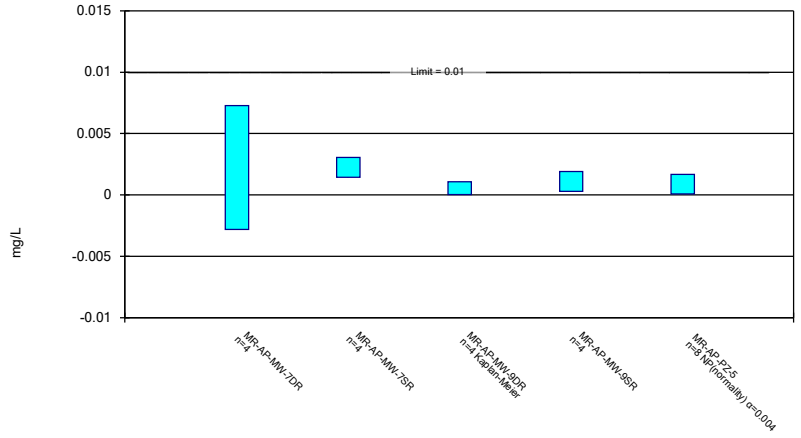


Constituent: Arsenic Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



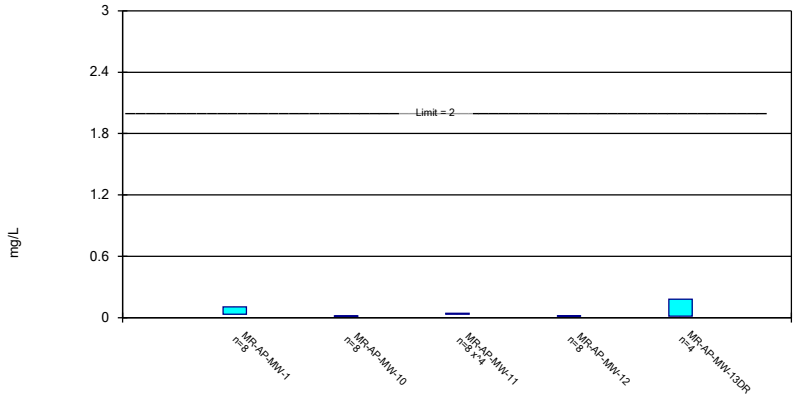
Constituent: Arsenic Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



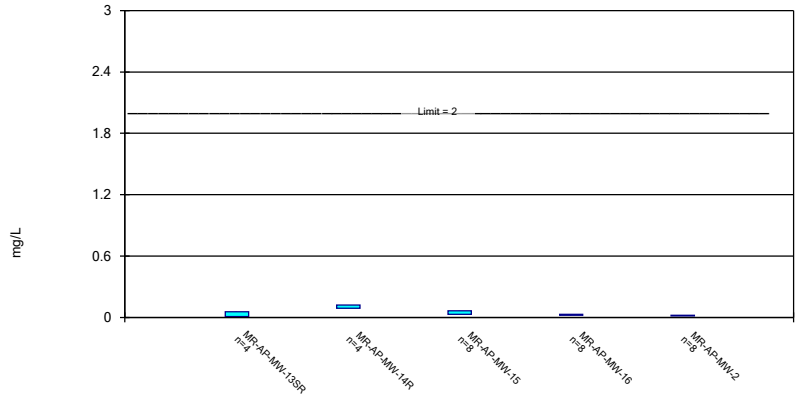
Constituent: Barium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



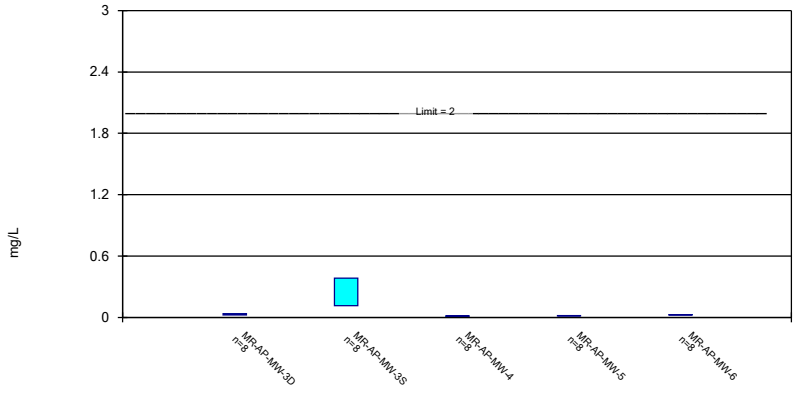
Constituent: Barium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



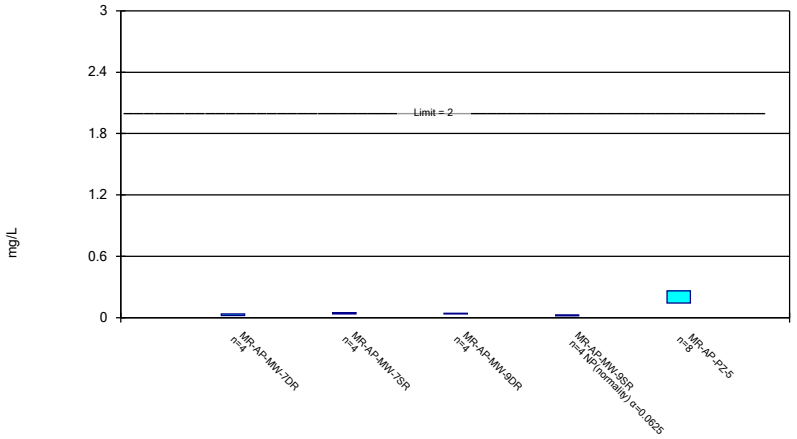
Constituent: Barium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



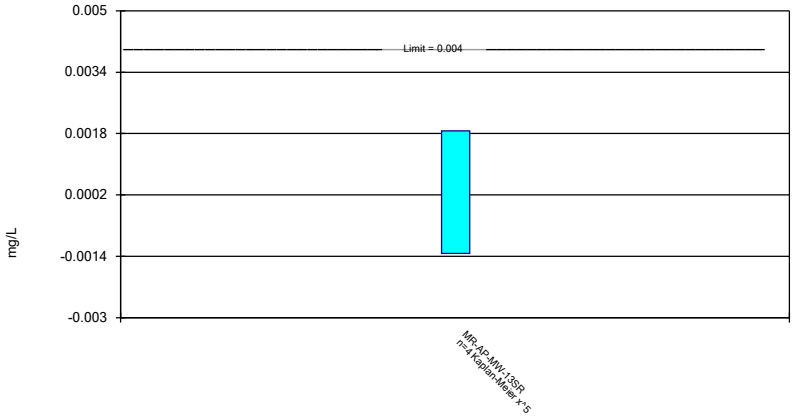
Constituent: Barium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



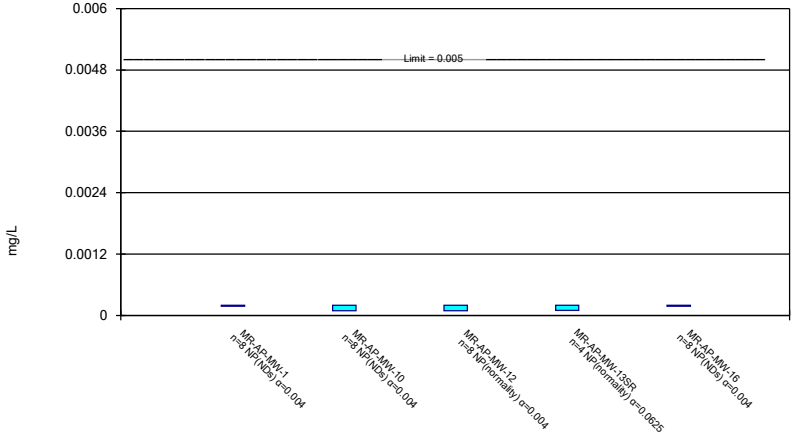
Constituent: Beryllium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



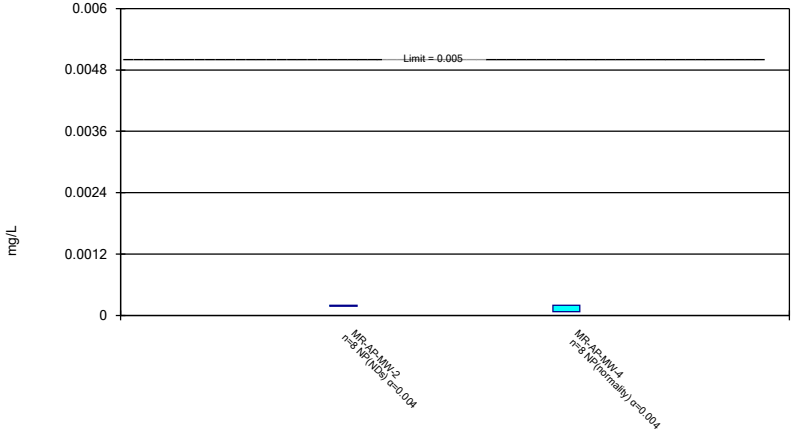
Constituent: Cadmium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



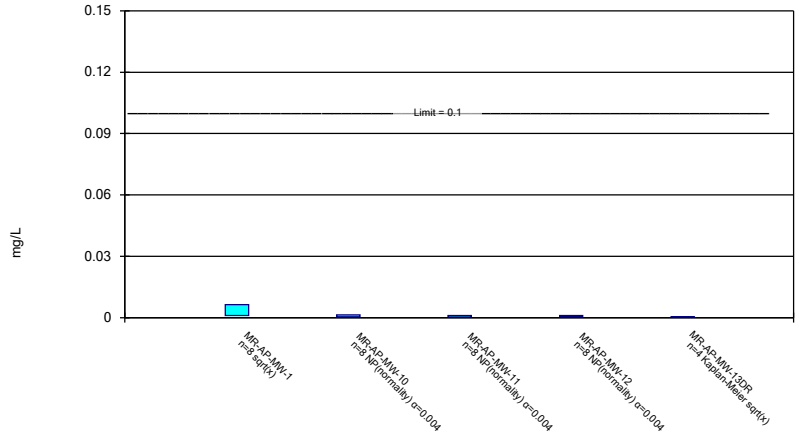
Constituent: Cadmium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



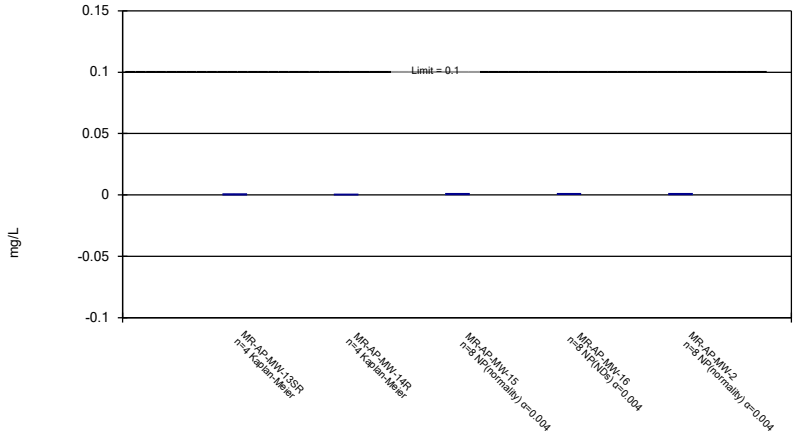
Constituent: Chromium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



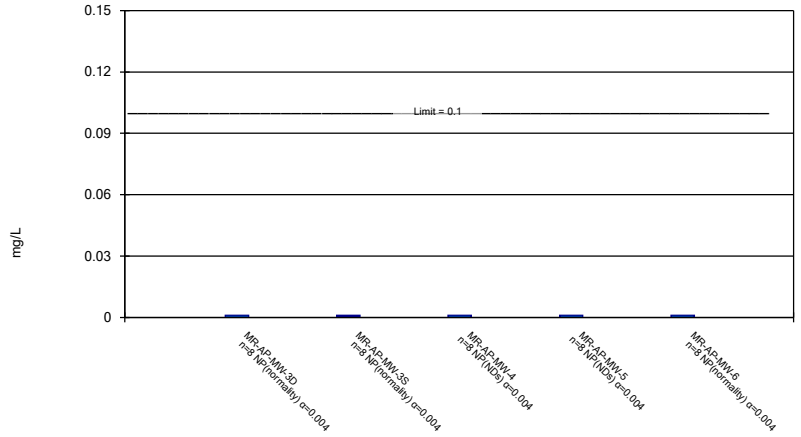
Constituent: Chromium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



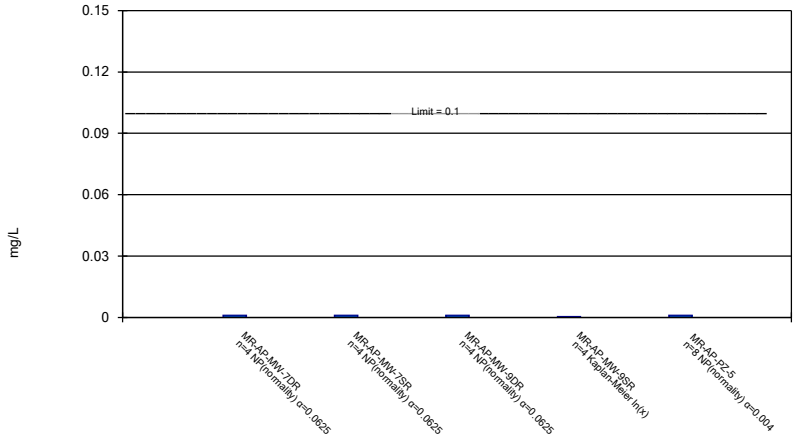
Constituent: Chromium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

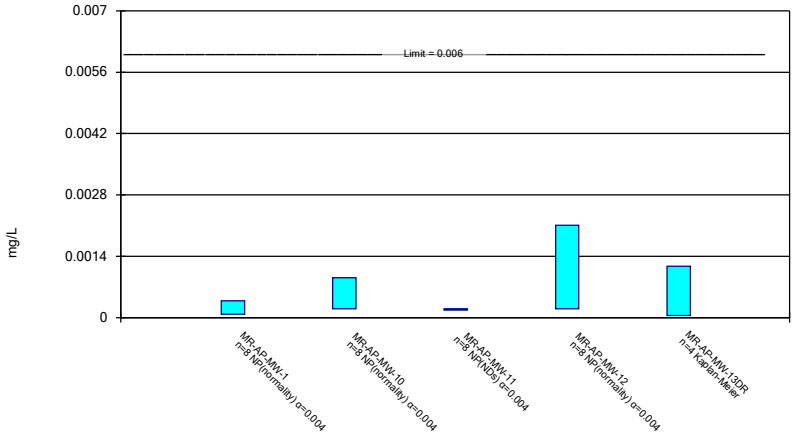


Constituent: Chromium Analysis Run 5/17/2022 7:47 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

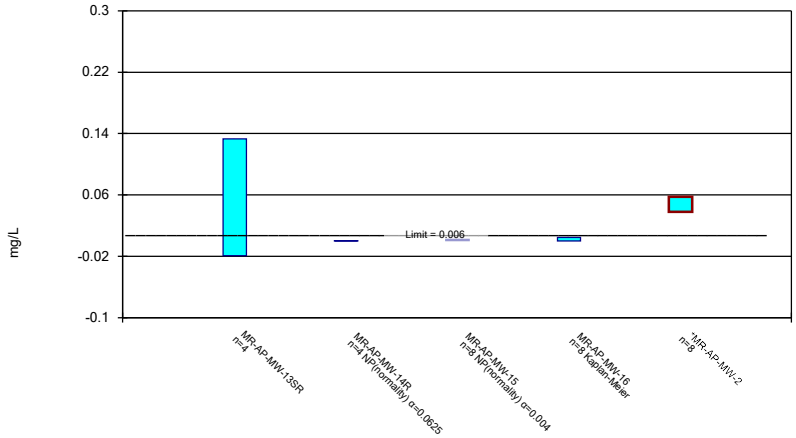
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

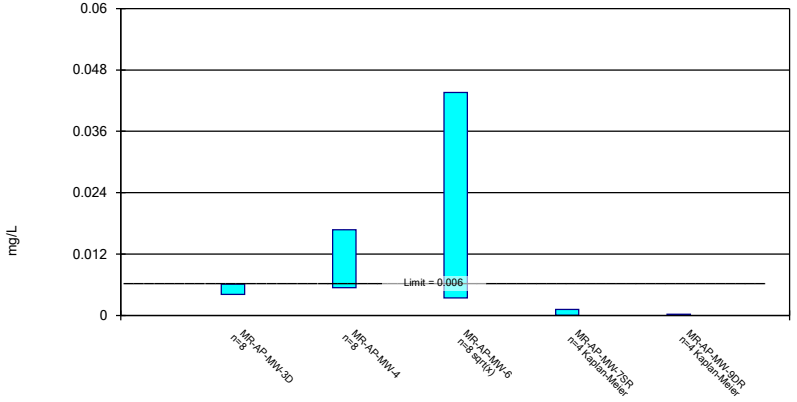
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

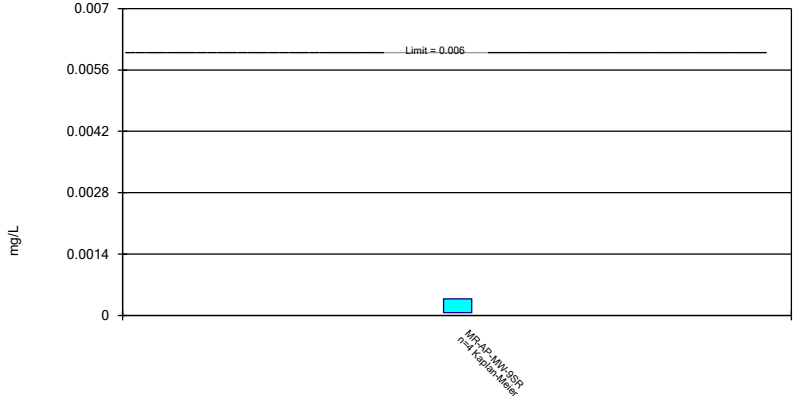
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/17/2022 7:47 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

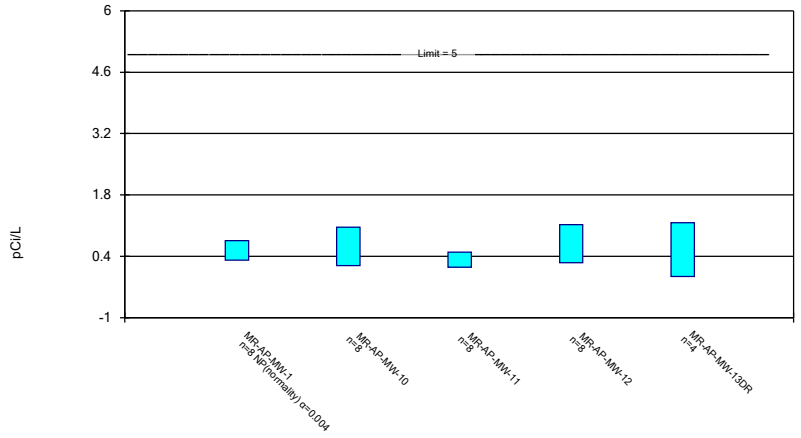


Constituent: Cobalt Analysis Run 5/17/2022 7:48 PM View: AIV
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



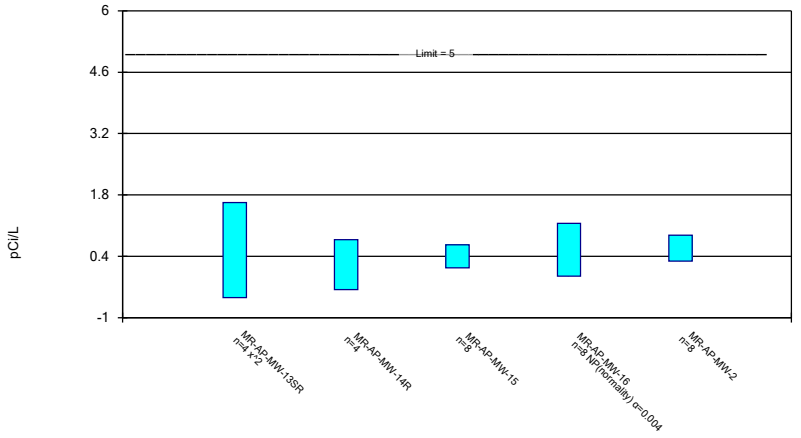
Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



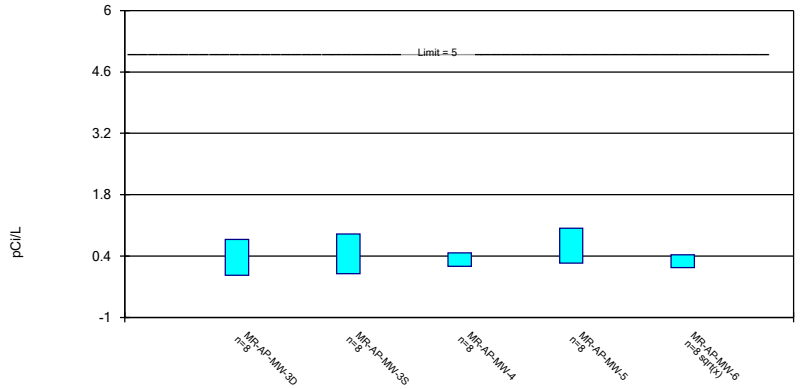
Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



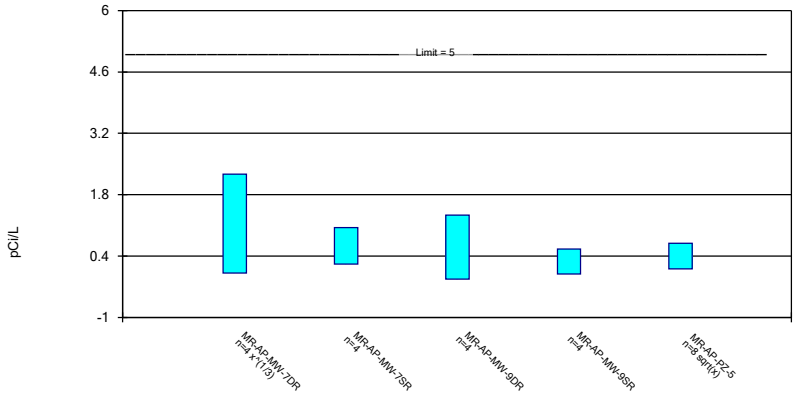
Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



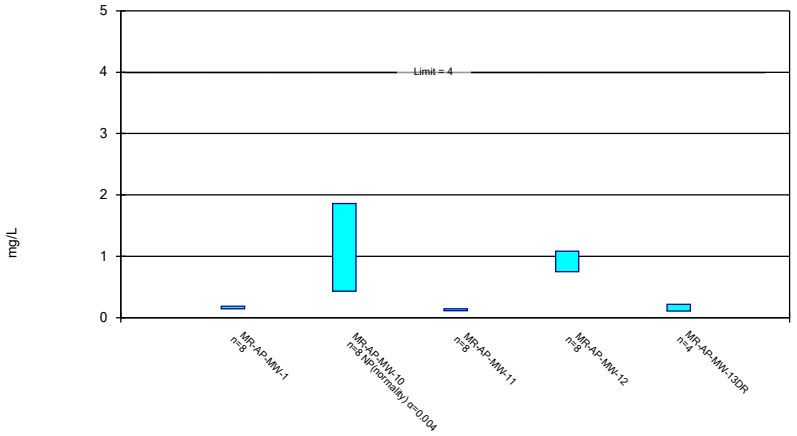
Constituent: Combined Radium 226 + 228 Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



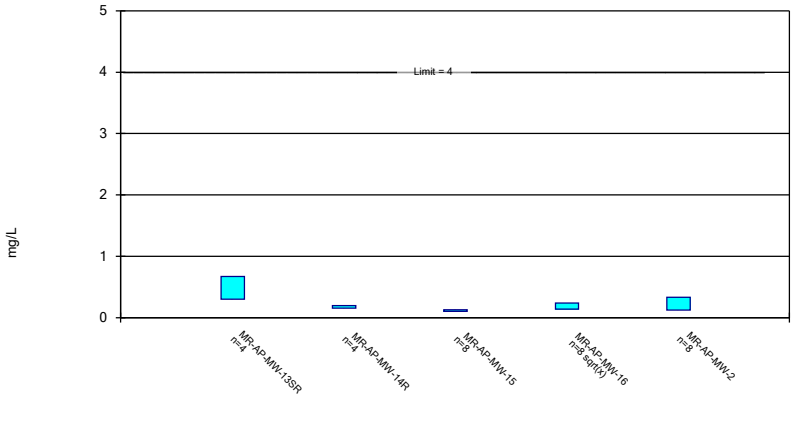
Constituent: Fluoride, total Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



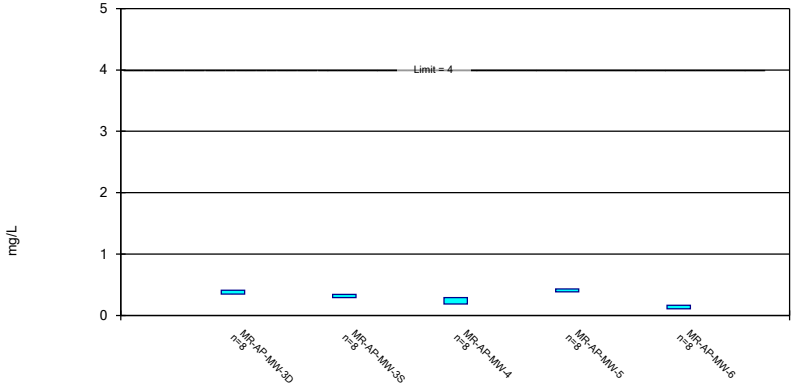
Constituent: Fluoride, total Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



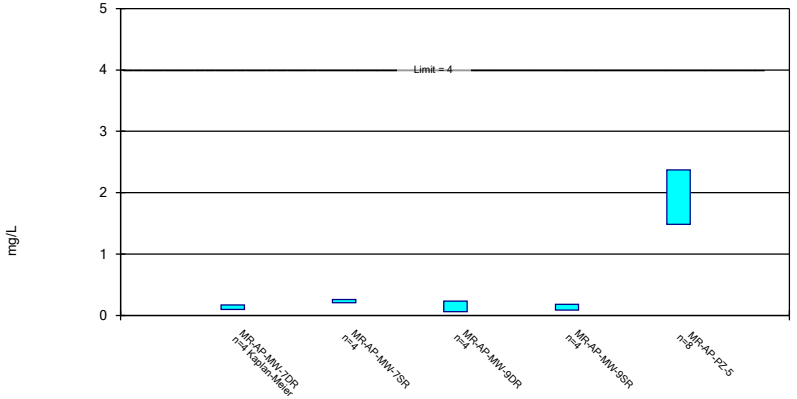
Constituent: Fluoride, total Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



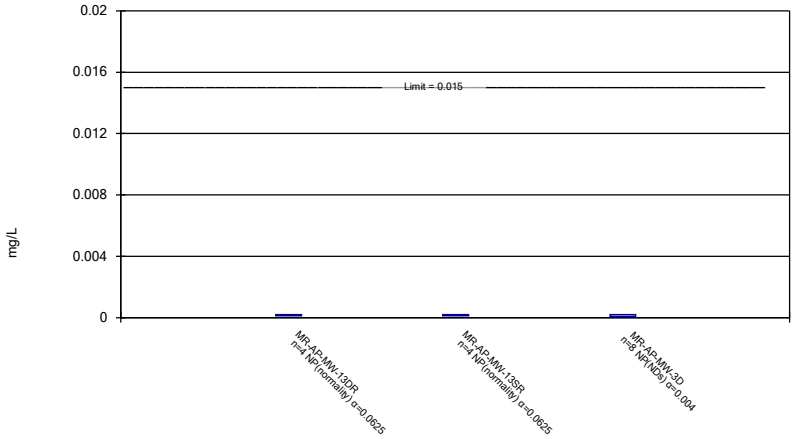
Constituent: Fluoride, total Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



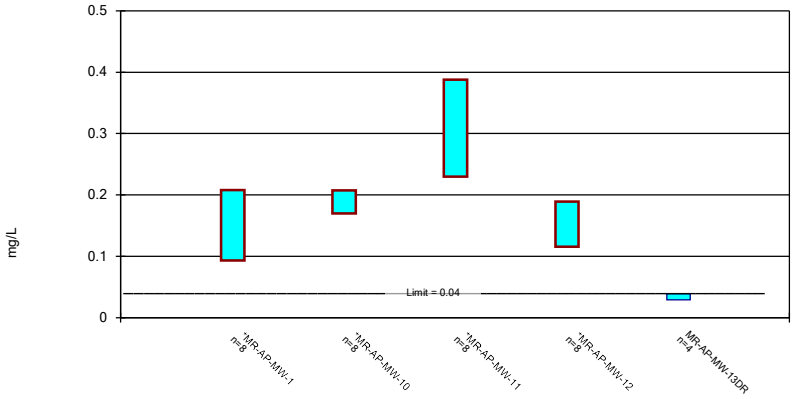
Constituent: Lead Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



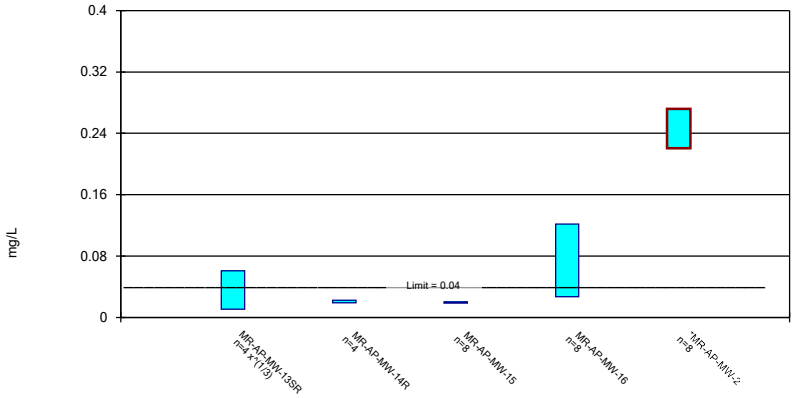
Constituent: Lithium Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



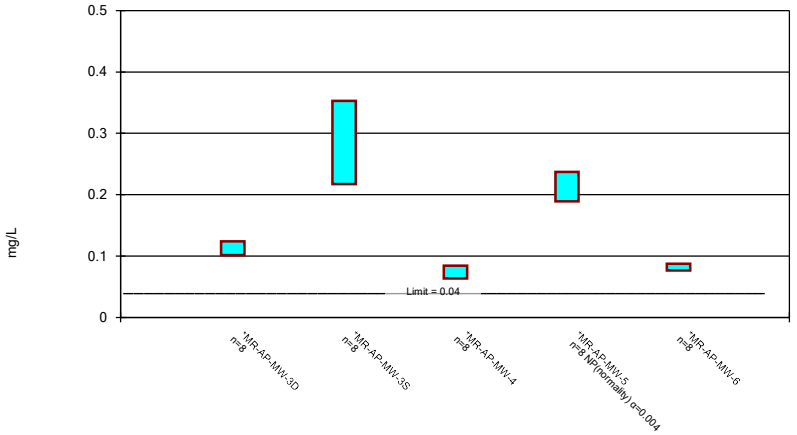
Constituent: Lithium Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



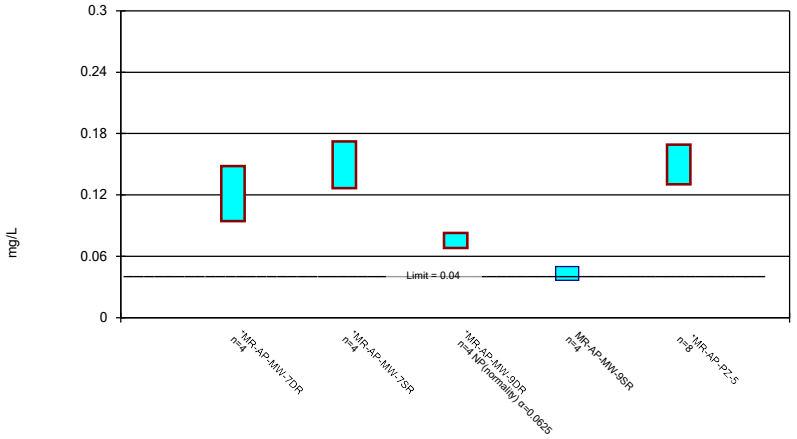
Constituent: Lithium Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



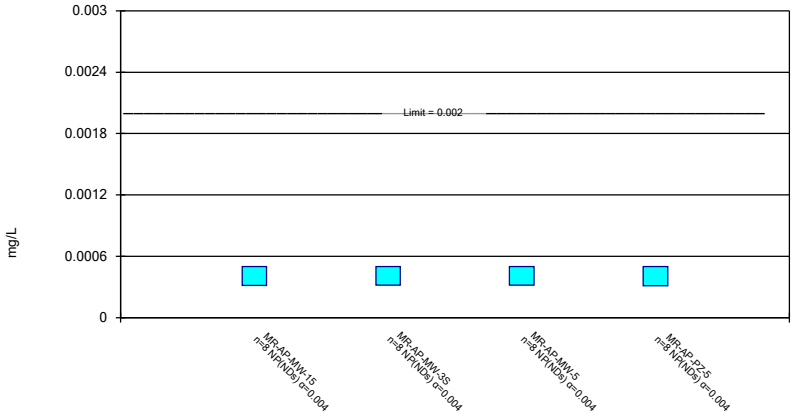
Constituent: Lithium Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



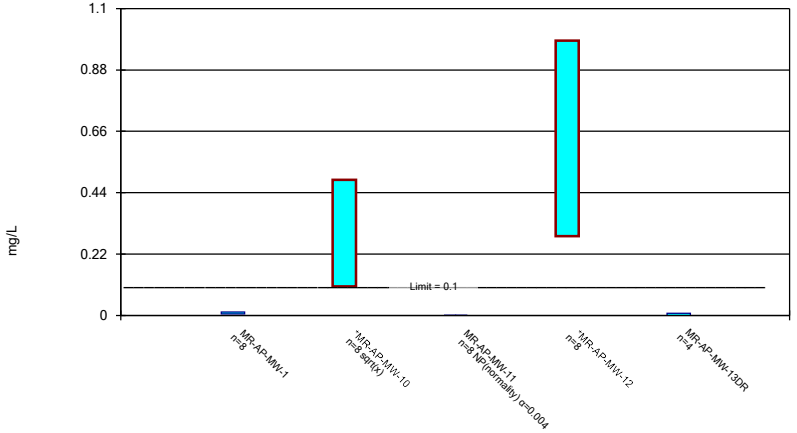
Constituent: Mercury Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



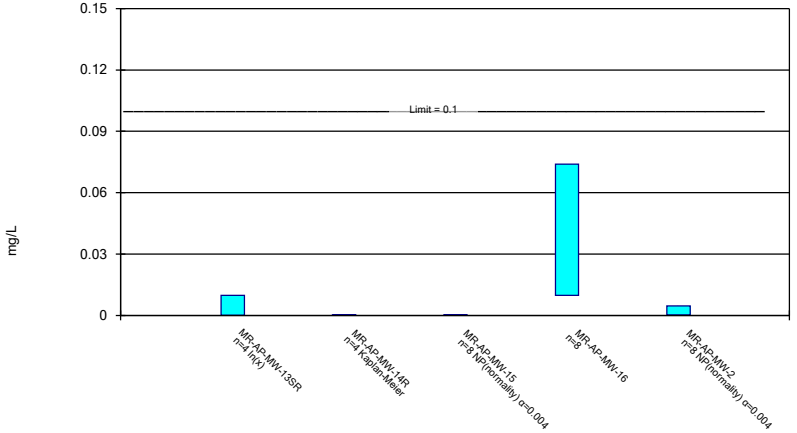
Constituent: Molybdenum Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



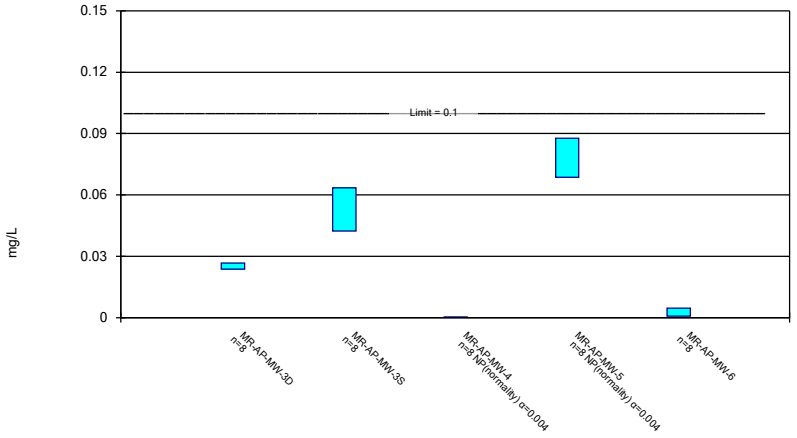
Constituent: Molybdenum Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



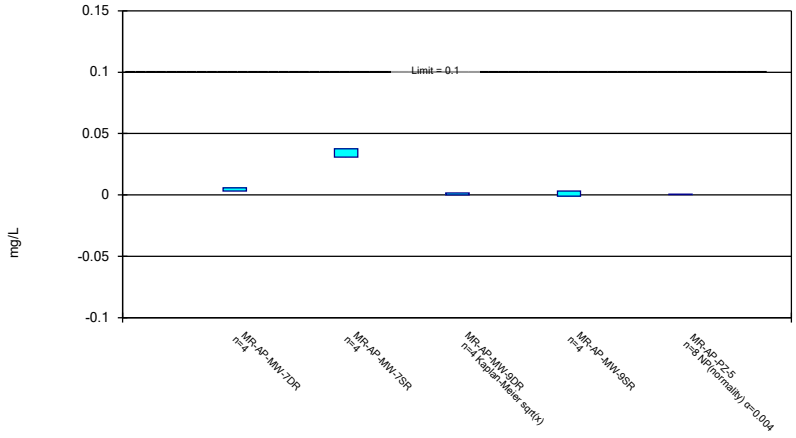
Constituent: Molybdenum Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



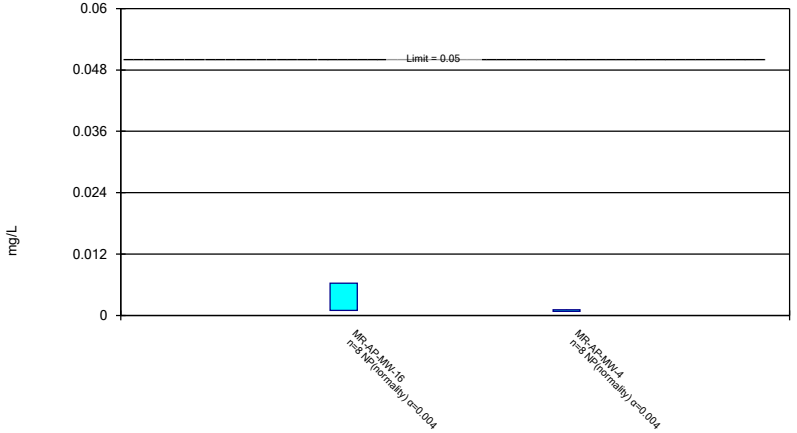
Constituent: Molybdenum Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



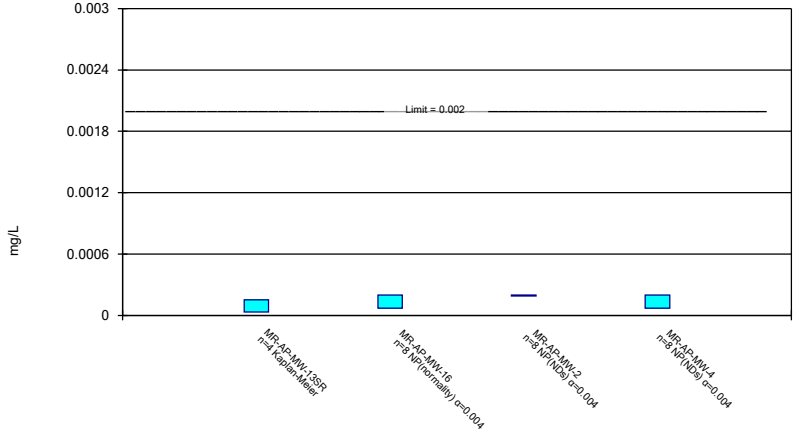
Constituent: Selenium Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.33 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 5/17/2022 7:48 PM View: AIV

Plant Miller Client: Southern Company Data: Miller Ash Pond

GROUNDWATER STATS CONSULTING

November 17, 2022

Southern Company Services
Attn: Mr. Greg Dyer
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Miller Ash Pond
2nd Semi-Annual Statistical Analysis – August/September 2022

Dear Mr. Dyer,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and statistical analysis of groundwater data for the 2nd Semi-Annual August/September 2022 sample event for Alabama Power Company's Plant Miller Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at site for the CCR program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GS-AP-MW-8, GS-AP-MW-13, GS-AP-MW-17V, MR-AP-MW-21, MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A
- **Downgradient wells:** MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-MW-10, MW-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-15, and MR-AP-MW-16
- **Delineation wells:** MR-AP-MW-4V, MR-AP-MW-6V, MR-AP-MW-17H, MR-AP-MW-18H, MR-AP-MW-19HA, MR-AP-MW-20H, MR-AP-MW-20HS, MR-AP-MW-27HR, MR-AP-MW-28H, MR-AP-MW-30H, MR-AP-MW-31H, MR-AP-MW-32H, MR-AP-MW-33H, MR-AP-MW-34H, MR-AP-MW-35H, MR-AP-MW-36HR, and MR-AP-MW-37H

- **Piezometers:** MR-AP-MW-2V, MR-AP-MW-3V, and MR-AP-MW-19H

Data from delineation wells are plotted on the time series graphs and box plots, but do not require formal statistics. Piezometers only monitor water levels; therefore, they are not included in this analysis.

Original downgradient wells MR-AP-MW-7D, MR-AP-MW-7S, MR-AP-MW-8D, MR-AP-MW-8S, MR-AP-MW-9D, MR-AP-MW-9S, MR-AP-MW-13D, MR-AP-MW-13S, and MR-AP-MW-14 were abandoned in 2020 and are no longer included in the analysis. Data from replacement wells MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R are plotted on the time series graphs and box plots, and Appendix IV constituents are evaluated using confidence intervals, which require a minimum of 4 samples. Prediction limits will be used to evaluate Appendix III data at these wells when a minimum of 8 samples are available.

New upgradient wells MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A currently have sufficient samples to be incorporated into statistical calculations for interwell prediction limits and tolerance limits. However, due to elevated concentrations compared to neighboring upgradient wells for Appendix III constituents, data from these wells were not included in construction of interwell prediction limits. This step serves to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective. While upgradient well GS-AP-MW-13 was abandoned in July 2019, historical data from this well are included in the construction interwell limits to represent background groundwater quality.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was prepared according to the Statistical Analysis Plan approved by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance, and Senior Advisor to Groundwater Stats Consulting. The analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents:

Appendix III (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
Appendix IV (Assessment Monitoring) - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient well/constituent pairs containing 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

In the April 2020 background screening, Appendix III data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on analysis of the spatial variability of groundwater quality among wells upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. A summary of the background screening is presented in a later section of this letter. Power curves are provided in this report to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves are based on the following statistical methods, site/data characteristics, and current number of compliance wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan
- Interwell Prediction Limits with 1-of-2 resample plan
- # Background Samples (Intrawell): 13
- # Background Samples (Interwell): 47
- # Constituents: 7
- # Downgradient wells: 13

Summary of Statistical Methods – Appendix III Parameters

Based on the April 2020 background screening described below, the following statistical methods were recommended for Appendix III parameters:

- Intrawell prediction limits, combined with a 1-of-2 resample plan for pH

- Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, and TDS

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the annual false positive rate associated with parametric limits is fixed at 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with nonparametric limits is not fixed and depends upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits as appropriate. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In the interwell case, prediction limits are updated with upgradient well data following each sampling event after careful screening for any new outliers. While not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in

groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Background Update Summaries

Spring 2020

Intrawell prediction limits, which compare the most recent compliance sample from a given well to historical data from the same well, are updated by testing for the appropriateness of consolidating new sampling observations with the screened background data and were last updated in April 2020. As discussed in the Statistical Analysis Plan (August 2020), intrawell prediction limits are used to pH at all wells due to natural spatial variation for this parameter. Historical data were evaluated for updating with newer data through May 2019 through the use of time series graphs and Tukey's outlier test to identify potential outliers, when necessary, as well as the Mann Whitney test for equality of medians. This process is described below for the 2021 update and requires a minimum of four new compliance points.

During the 2020 screening, all background data sets for pH were updated through May 2019, with the exception of wells MR-AP-MW-13S, MR-AP-MW-14, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-6, and MR-AP-PZ-5 for pH, which had statistically significant differences in medians. All results were included with the background update report along with a summary of the background periods utilized for the cases discussed above identified by the Mann-Whitney test with statistically significant differences.

Interwell prediction limits are used to compare the most recent sample from each downgradient well to statistical limits constructed from pooled upgradient well data for boron, calcium, chloride, fluoride, sulfate, and TDS. As mentioned above, these limits are updated following each sampling event after careful screening for new outliers. Data from upgradient wells were re-screened for newly developing trends to determine whether adjustments to the background data sets were required to eliminate the trend. No adjustments were required because the period of records was short and the magnitudes of the trends were low relative to the average concentrations in background.

Fall 2021

Outlier Analysis

Prior to constructing prediction limits, proposed background data through May 2021 were reviewed to identify any newly suspected outliers since the last background update

performed in May 2019 at all wells for pH and through September 2021 at upgradient wells for boron, calcium, chloride, fluoride, sulfate, and TDS. Visual screening was used to identify potential new outliers; however, none were identified. When values are identified as outliers, these measurements are flagged with "o" and excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective.

A previously flagged outlier for pH in well MR-AP-MW-1 was unflagged because it was similar to more recent concentrations. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A list of flagged outliers follows this report (Figure C).

Intrawell - Mann-Whitney Test of Medians

For pH, which is tested using intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2019 to compliance data through May 2021. When no statistically significant difference in medians between the two groups is found at a 99% confidence level, background data may be updated with newer compliance data. Statistically significant differences (either an increase or decrease in median concentrations) were found between the two groups for the following well/constituent pairs:

Increasing

- pH: MR-AP-MW-10 and MR-AP-MW-16

Decreasing

- None

Typically, when the test concludes that the medians of the two groups are statistically significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

While the Mann Whitney test identified differences in the medians for the well/constituent pairs listed above, in both cases the group of new measurements were similar to those observed in the historical record and the increases were marginal. Therefore, these records were updated to include data through May 2021. Additionally, the Mann Whitney

test did not identify a statistically significant difference at the 99% confidence level for pH in well MR-AP-MW-1; however, this record was not updated at this time because the majority of the most recent measurements are higher than those reported historically. This step results in statistical limits that are conservative (i.e., lower) from a regulatory perspective. As more data are collected, this record will be re-evaluated for updating. All other well/constituent pairs utilize historical data through May 2021 for the intrawell prediction limits and a list of well/constituent pairs with truncated portions of background records follow this report (Background Date Ranges).

Interwell - Trend Tests

The Sen's Slope/Mann Kendall trend test was used to evaluate all data through September 2021 at upgradient wells with sufficient samples for trend testing (i.e., a minimum of 6 samples) for parameters utilizing interwell prediction limits (boron, calcium, chloride, fluoride, sulfate, and TDS). When statistically significant increasing trends are identified in upgradient wells, the earlier portion of data may require deselection prior to construction of interwell statistical limits if the trending data would result in statistical limits that are not conservative (i.e., lower) from a regulatory perspective. While no statistically significant decreasing trends were identified, statistically significant increasing trends were noted for the following well/constituent pairs:

Increasing
- Boron: GS-AP-MW-8
- Chloride: GS-AP-MW-8

Decreasing
- None

These trends required no adjustments because the period of record is short and the magnitudes of the trends are low relative to the average concentrations in background.

Evaluation of Appendix III Parameters – August/September 2022

Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed for pH using screened background data through May 2021 at each well except for well MR-AP-MW-1 as discussed above (Figure D). Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes

the element of variation across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. The September 2022 observation is compared to its respective background from the same well to determine whether initial exceedances are present.

Interwell prediction limits combined with a 1-of-2 verification strategy were constructed for boron, calcium, chloride, fluoride, sulfate, and TDS (Figure E). Interwell prediction limits pool upgradient well data through September 2022 to establish a background limit for an individual constituent. The August/September 2022 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present. As discussed previously, due to higher concentrations among newer upgradient wells MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A, data from these wells were not included in construction of the interwell prediction limits as the resulting limits would not be conservative (i.e., lower) from a regulatory perspective.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research is required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary. Both summary tables and complete graphical results for intrawell and interwell prediction limits may be found following this letter in Figures D and E, respectively (pages 16-20). Exceedances for both intrawell and interwell prediction limits were identified for the following well/constituent pairs:

Intrawell:

- pH: MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-15, and MR-AP-MW-16

Interwell:

- Boron: MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-15, and MR-AP-MW-16
- Calcium: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, and MR-AP-MW-16
- Chloride: MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, and MR-AP-MW-15

- Fluoride: MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-10, and MR-AP-MW-12
- Sulfate: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, and MR-AP-MW-16
- TDS: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, and MR-AP-MW-16

Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. When trends are identified in upgradient wells, it is an indication of natural variability in groundwater quality unrelated to practices at the site. New upgradient well MR-AP-MW-22D, MR-AP-MW-22I, MR-AP-MW-22S, MR-AP-MW-23, and MR-AP-MW-23A were included due to sufficient sample size for trend testing (i.e., a minimum of 6 samples). A summary of the trend test results follows this letter (pages 21-24). Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Boron: MR-AP-MW-2, MR-AP-MW-3S, MR-AP-MW-6, MR-AP-MW-10, MR-AP-MW-12, and MR-AP-MW-15
- Calcium: MR-AP-MW-6, MR-AP-MW-10, and MR-AP-MW-15
- Chloride: GS-AP-MW-8, MR-AP-MW-22D (both upgradient), MR-AP-MW-3S, and MR-AP-MW-6
- Fluoride: GS-AP-MW-13 (upgradient), MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5, MR-AP-MW-10, and MR-AP-MW-12
- pH: MR-AP-MW-10
- Sulfate: MR-AP-MW-12 and MR-AP-MW-15
- TDS: MR-AP-MW-12

Decreasing:

- Boron: MR-AP-MW-22I (upgradient), MR-AP-MW-3D, MR-AP-MW-4, and MR-AP-PZ-5
- Calcium: MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-12, and MR-AP-MW-16
- Chloride: MR-AP-MW-4
- pH: MR-AP-MW-15
- Sulfate: MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, and MR-AP-MW-16
- TDS: MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-5, and MR-AP-MW-16

Evaluation of Appendix IV Parameters – August/September 2022

Data from all wells for Appendix IV parameters were reassessed for outliers during previous analyses through visual screening and no new outliers were flagged during this analysis. A summary of any previously flagged outliers follows this report (Figure C).

In accordance with Alabama Department of Environmental Management, the Groundwater Protections Standards (GWPS) utilized during the 2021 2nd semi-annual statistical analysis report were used for the confidence interval analyses. The GWPS will are updated every two years and will be updated again during the 2023 2nd semi-annual statistical analysis. The methodology used to create these GWPS is described below.

Interwell Upper Tolerance Limits

First, background limits were determined using tolerance limits constructed from pooled upgradient well data through September 2021 (Figure G). The tolerance limits contain a known fraction (coverage) of the background population with a known level of confidence. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As requested by ADEM to eliminate variation among upgradient well data, nonparametric tolerance limits, which use the highest value in background as the statistical limit, were constructed. A summary of the upper tolerance limits follows this letter (page 25).

Groundwater Protection Standards

These background limits were then compared to the Maximum Contaminant Levels (MCLs) for each parameter, and the higher of the two was used as the GWPS (Figure H, page 26) in the confidence interval comparisons described below. Exceptions are noted in Figure H for barium, combined radium 226 + 228, and lithium. For these parameters,

the respective MCL's or Federally Derived limits were used as the GWPS rather than the higher background UTLs to maintain the more conservative standard.

Confidence Intervals

Confidence intervals were then constructed on downgradient wells using a maximum of the most recent 8 samples through September 2022 for each of the Appendix IV parameters (Figure I). These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the highest and lowest values in background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects.

As mentioned above, well/constituent pairs containing 100% non-detects for the most recent 8 samples did not require statistics; therefore, they were deselected prior to construction of confidence intervals. A list of deselected well/constituent pairs follows this report. Each confidence interval was compared with the corresponding GWPS. Only when the entire confidence interval is above the GWPS is the well/constituent pair considered to exceed its respective standard. Both a tabular summary and graphical presentation of the confidence interval results follow this letter (pages 27-30). Exceedances were identified for the following well/constituent pairs:

- Arsenic: MR-AP-MW-3D
- Cobalt: MR-AP-MW-2 and MR-AP-MW-13SR
- Lithium: MR-AP-MW-1, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, and MR-AP-PZ-5
- Molybdenum: MR-AP-MW-10 and MR-AP-MW-12

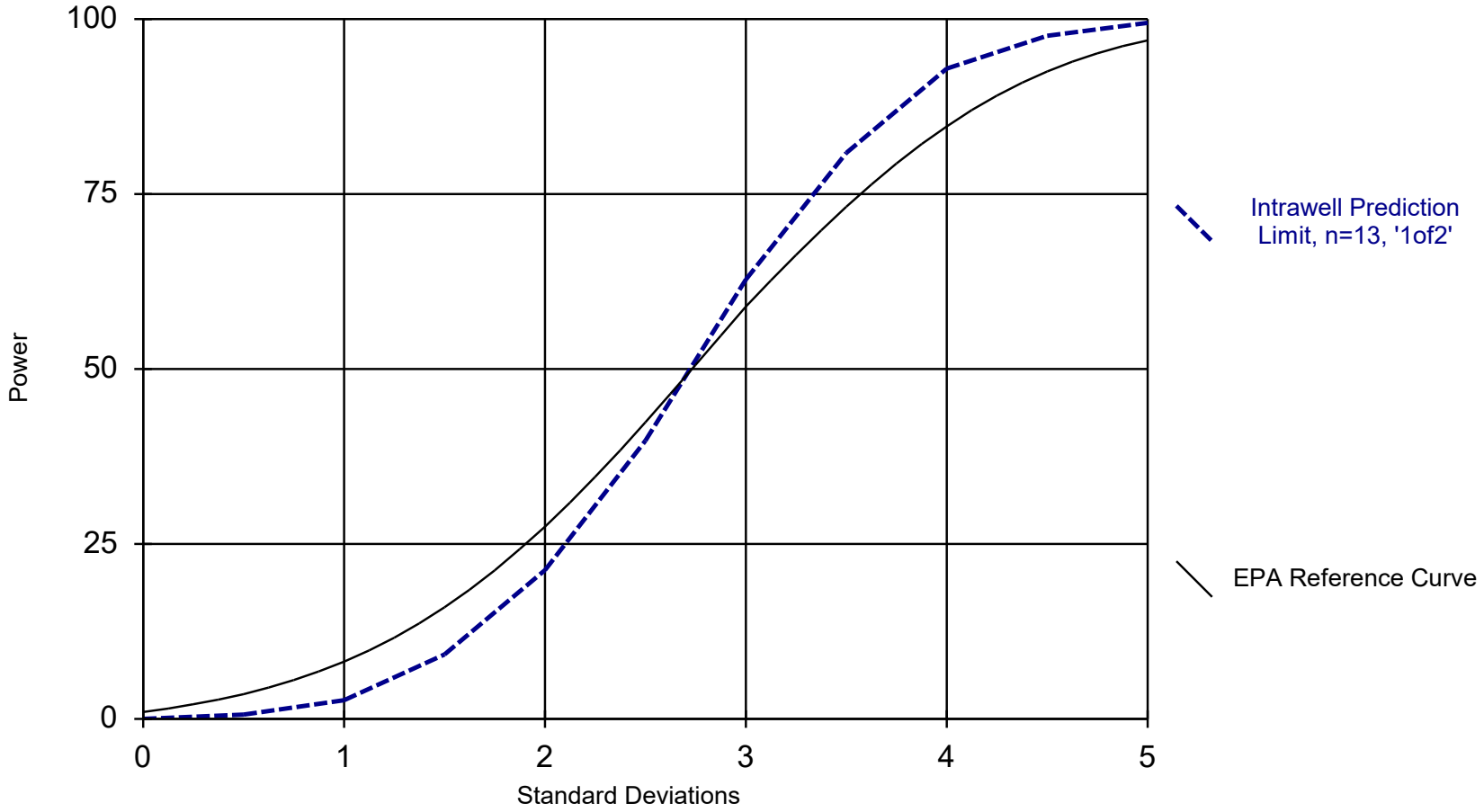
Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Miller Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Andrew Collins
Project Manager

Kristina Rayner
Groundwater Statistician

Intrawell Power Curve

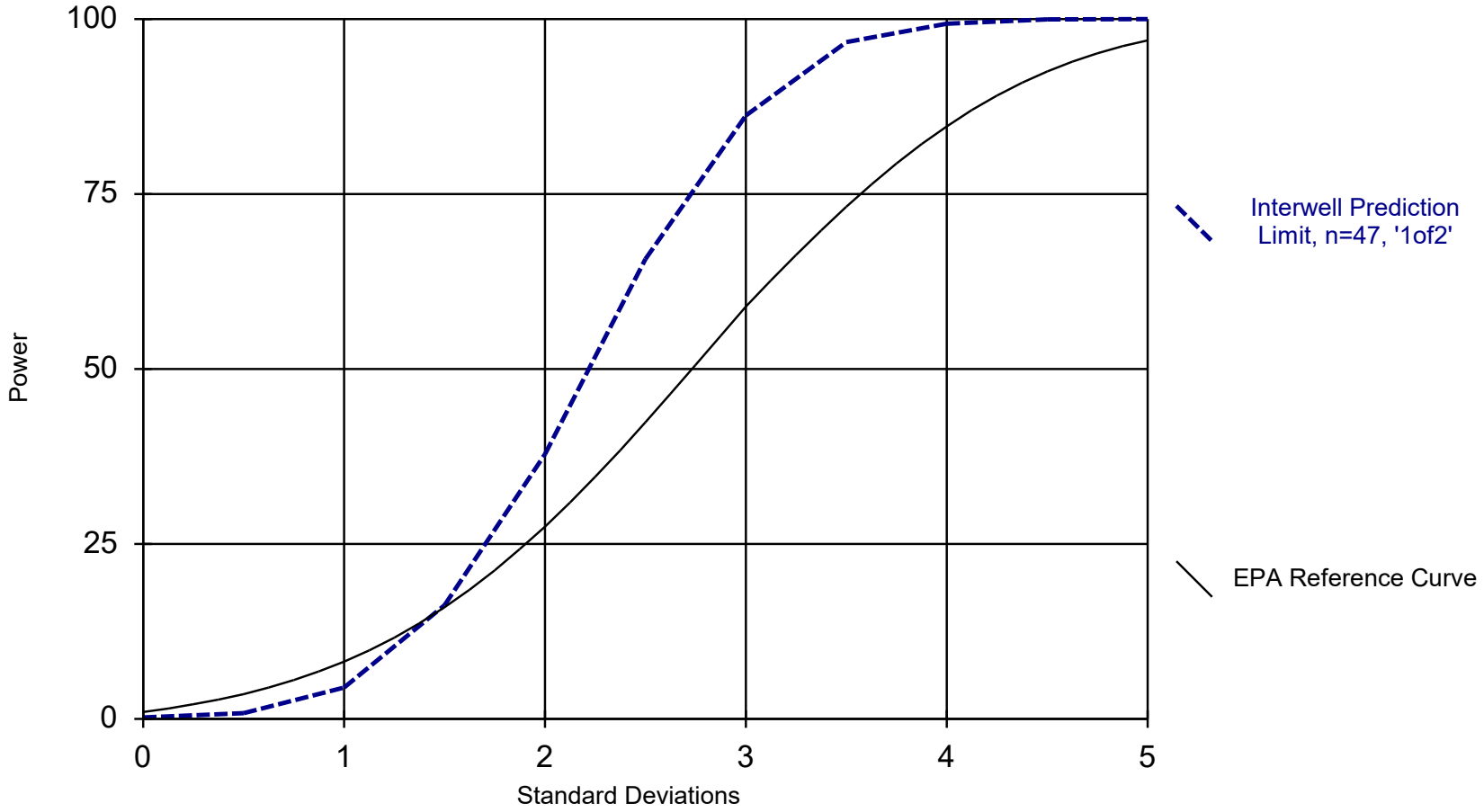


Kappa = 2.656, based on 13 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 11/15/2022 1:29 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Interwell Power Curve



Kappa = 2.112, based on 13 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 11/15/2022 1:30 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Date Ranges

Date: 11/15/2022 12:29 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

pH, Field (pH)

MR-AP-MW-1 background:7/25/2016-10/9/2018

100% Non-Detects: Appendix IV Downgradient

Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Antimony (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-2, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR

Beryllium (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Cadmium (mg/L)
MR-AP-MW-1, MR-AP-MW-11, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Cobalt (mg/L)
MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-7DR, MR-AP-PZ-5

Lead (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Mercury (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-13SR, MR-AP-MW-14R, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-4, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR

Selenium (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Thallium (mg/L)
MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-13DR, MR-AP-MW-14R, MR-AP-MW-15, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-MW-6, MR-AP-MW-7DR, MR-AP-MW-7SR, MR-AP-MW-9DR, MR-AP-MW-9SR, MR-AP-PZ-5

Appendix III Intrawell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**9/26/2022**	**7.16**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-12**	**6.685**	**6.441**	**9/26/2022**	**6.71**	**Yes**	**17**	**6.563**	**0.04982**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-15**	**6.587**	**6.323**	**9/20/2022**	**6.32**	**Yes**	**18**	**6.455**	**0.05437**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-16**	**6.436**	**5.758**	**9/20/2022**	**6.66**	**Yes**	**18**	**6.097**	**0.1401**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	GS-AP-MW-13	6.931	6.594	n/a	1 future	n/a	13	6.762	0.06353	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	GS-AP-MW-8	6.099	5.378	8/2/2022	5.78	No	17	1110	111.7	0	None	x^4	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-1	9.647	7.368	9/19/2022	8.09	No	14	8.508	0.4386	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**9/26/2022**	**7.16**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-11	7.3	6.5	9/20/2022	6.7	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (pH)	**MR-AP-MW-12**	**6.685**	**6.441**	**9/26/2022**	**6.71**	**Yes**	**17**	**6.563**	**0.04982**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-15**	**6.587**	**6.323**	**9/20/2022**	**6.32**	**Yes**	**18**	**6.455**	**0.05437**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-16**	**6.436**	**5.758**	**9/20/2022**	**6.66**	**Yes**	**18**	**6.097**	**0.1401**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-2	6.422	5.872	9/26/2022	6.37	No	18	6.147	0.1135	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-3D	6.954	6.624	9/19/2022	6.77	No	19	6.789	0.06919	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-3S	9.882	8.717	9/19/2022	8.73	No	19	9.299	0.2437	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-4	6.067	5.624	9/26/2022	6.05	No	19	5.846	0.0927	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-5	7.268	6.893	9/20/2022	7.03	No	18	7.08	0.07743	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-6	6.213	5.875	9/21/2022	6.08	No	19	6.044	0.07073	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-PZ-5	8.63	7.584	9/20/2022	8.07	No	19	8.107	0.2188	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.101	n/a	9/26/2022	7.39	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-12	0.101	n/a	9/26/2022	4.96	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-15	0.101	n/a	9/20/2022	1.78	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-16	0.101	n/a	9/20/2022	2.77	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-2	0.101	n/a	9/26/2022	0.153	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3D	0.101	n/a	9/19/2022	0.389	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3S	0.101	n/a	9/19/2022	0.272	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-4	0.101	n/a	9/26/2022	0.36	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-5	0.101	n/a	9/20/2022	0.915	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-6	0.101	n/a	9/21/2022	0.851	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-PZ-5	0.101	n/a	9/20/2022	0.251	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-1	63.8	n/a	9/19/2022	182	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-10	63.8	n/a	9/26/2022	184	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-11	63.8	n/a	9/20/2022	209	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-12	63.8	n/a	9/26/2022	80.7	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-15	63.8	n/a	9/20/2022	84.6	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-16	63.8	n/a	9/20/2022	142	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-2	63.8	n/a	9/26/2022	208	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-3D	63.8	n/a	9/19/2022	145	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-4	63.8	n/a	9/26/2022	180	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-5	63.8	n/a	9/20/2022	251	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-6	63.8	n/a	9/21/2022	189	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-15	14.6	n/a	9/20/2022	17.7	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3S	14.6	n/a	9/19/2022	70.9	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-4	14.6	n/a	9/26/2022	17.3	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-5	14.6	n/a	9/20/2022	23.1	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-6	14.6	n/a	9/21/2022	31.9	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-PZ-5	14.6	n/a	9/20/2022	22.2	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-10	0.2987	n/a	9/26/2022	1.12	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-12	0.2987	n/a	9/26/2022	0.989	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3D	0.2987	n/a	9/19/2022	0.341	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3S	0.2987	n/a	9/19/2022	0.304	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-5	0.2987	n/a	9/20/2022	0.384	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2987	n/a	9/20/2022	2.39	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-1	139	n/a	9/19/2022	548	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-10	139	n/a	9/26/2022	1560	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-11	139	n/a	9/20/2022	678	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-12	139	n/a	9/26/2022	845	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-15	139	n/a	9/20/2022	352	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-16	139	n/a	9/20/2022	503	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-2	139	n/a	9/26/2022	1570	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	139	n/a	9/19/2022	352	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	139	n/a	9/19/2022	159	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-4	139	n/a	9/26/2022	393	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-5	139	n/a	9/20/2022	866	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-6	139	n/a	9/21/2022	535	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	534	n/a	9/19/2022	1060	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	534	n/a	9/26/2022	2550	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	534	n/a	9/20/2022	1140	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	534	n/a	9/26/2022	1560	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-15	534	n/a	9/20/2022	594	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	534	n/a	9/20/2022	826	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	534	n/a	9/26/2022	2350	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	534	n/a	9/19/2022	756	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	534	n/a	9/19/2022	644	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	534	n/a	9/26/2022	694	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	534	n/a	9/20/2022	1140	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	534	n/a	9/21/2022	914	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	534	n/a	9/20/2022	746	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-1	0.101	n/a	9/19/2022	0.0597J	No	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-10**	**0.101**	**n/a**	**9/26/2022**	**7.39**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	MR-AP-MW-11	0.101	n/a	9/20/2022	0.0457J	No	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-12**	**0.101**	**n/a**	**9/26/2022**	**4.96**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.101**	**n/a**	**9/20/2022**	**1.78**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-16**	**0.101**	**n/a**	**9/20/2022**	**2.77**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-2**	**0.101**	**n/a**	**9/26/2022**	**0.153**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3D**	**0.101**	**n/a**	**9/19/2022**	**0.389**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.101**	**n/a**	**9/19/2022**	**0.272**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-4**	**0.101**	**n/a**	**9/26/2022**	**0.36**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-5**	**0.101**	**n/a**	**9/20/2022**	**0.915**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-6**	**0.101**	**n/a**	**9/21/2022**	**0.851**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-PZ-5**	**0.101**	**n/a**	**9/20/2022**	**0.251**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-1**	**63.8**	**n/a**	**9/19/2022**	**182**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-10**	**63.8**	**n/a**	**9/26/2022**	**184**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-11**	**63.8**	**n/a**	**9/20/2022**	**209**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-12**	**63.8**	**n/a**	**9/26/2022**	**80.7**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-15**	**63.8**	**n/a**	**9/20/2022**	**84.6**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-16**	**63.8**	**n/a**	**9/20/2022**	**142**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-2**	**63.8**	**n/a**	**9/26/2022**	**208**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-3D**	**63.8**	**n/a**	**9/19/2022**	**145**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-MW-3S	63.8	n/a	9/19/2022	4.9	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**MR-AP-MW-4**	**63.8**	**n/a**	**9/26/2022**	**180**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-5**	**63.8**	**n/a**	**9/20/2022**	**251**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-6**	**63.8**	**n/a**	**9/21/2022**	**189**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-PZ-5	63.8	n/a	9/20/2022	6.51	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-1	14.6	n/a	9/19/2022	9.01	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-10	14.6	n/a	9/26/2022	8.6	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-11	14.6	n/a	9/20/2022	7.52	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-12	14.6	n/a	9/26/2022	7.51	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-15**	**14.6**	**n/a**	**9/20/2022**	**17.7**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	MR-AP-MW-16	14.6	n/a	9/20/2022	11.4	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-2	14.6	n/a	9/26/2022	5.2	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3D	14.6	n/a	9/19/2022	13.3	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**14.6**	**n/a**	**9/19/2022**	**70.9**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**14.6**	**n/a**	**9/26/2022**	**17.3**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-5**	**14.6**	**n/a**	**9/20/2022**	**23.1**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-6**	**14.6**	**n/a**	**9/21/2022**	**31.9**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-PZ-5**	**14.6**	**n/a**	**9/20/2022**	**22.2**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-1	0.2987	n/a	9/19/2022	0.164	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.2987**	**n/a**	**9/26/2022**	**1.12**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-11	0.2987	n/a	9/20/2022	0.0923J	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.2987**	**n/a**	**9/26/2022**	**0.989**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-15	0.2987	n/a	9/20/2022	0.0625ND	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-16	0.2987	n/a	9/20/2022	0.145	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-2	0.2987	n/a	9/26/2022	0.211	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.2987**	**n/a**	**9/19/2022**	**0.341**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.2987**	**n/a**	**9/19/2022**	**0.304**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-4	0.2987	n/a	9/26/2022	0.22	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.2987**	**n/a**	**9/20/2022**	**0.384**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-6	0.2987	n/a	9/21/2022	0.0625ND	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2987**	**n/a**	**9/20/2022**	**2.39**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-1**	**139**	**n/a**	**9/19/2022**	**548**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-10**	**139**	**n/a**	**9/26/2022**	**1560**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-11**	**139**	**n/a**	**9/20/2022**	**678**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**139**	**n/a**	**9/26/2022**	**845**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-15**	**139**	**n/a**	**9/20/2022**	**352**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**139**	**n/a**	**9/20/2022**	**503**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-2**	**139**	**n/a**	**9/26/2022**	**1570**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**139**	**n/a**	**9/19/2022**	**352**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3S**	**139**	**n/a**	**9/19/2022**	**159**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**139**	**n/a**	**9/26/2022**	**393**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**139**	**n/a**	**9/20/2022**	**866**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-6**	**139**	**n/a**	**9/21/2022**	**535**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	MR-AP-PZ-5	139	n/a	9/20/2022	34.6	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-1**	**534**	**n/a**	**9/19/2022**	**1060**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-10**	**534**	**n/a**	**9/26/2022**	**2550**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-11**	**534**	**n/a**	**9/20/2022**	**1140**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**534**	**n/a**	**9/26/2022**	**1560**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-15**	**534**	**n/a**	**9/20/2022**	**594**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**534**	**n/a**	**9/20/2022**	**826**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-2**	**534**	**n/a**	**9/26/2022**	**2350**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**534**	**n/a**	**9/19/2022**	**756**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3S**	**534**	**n/a**	**9/19/2022**	**644**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**534**	**n/a**	**9/26/2022**	**694**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**534**	**n/a**	**9/20/2022**	**1140**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-6**	**534**	**n/a**	**9/21/2022**	**914**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-PZ-5**	**534**	**n/a**	**9/20/2022**	**746**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**

Appendix II Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.4112	98	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-12	1.056	105	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-15	0.0591	122	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-2	0.01286	94	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-22I (bg)	-0.01738	-15	-14	Yes	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3D	-0.02511	-96	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3S	0.01393	89	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-4	-0.02284	-110	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-6	0.01584	87	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-PZ-5	-0.03676	-127	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-10	8.341	89	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-12	-11.34	-81	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-15	0.944	109	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-16	-16.69	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-3D	-26.33	-157	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-4	-25.91	-154	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-5	-15.41	-113	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-6	5.638	143	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-8 (bg)	0.1958	100	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-22D (bg)	374.4	15	14	Yes	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-3S	10.22	122	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-4	-4.781	-115	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-6	1.739	142	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-13 (bg)	0.02914	48	43	Yes	13	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-10	0.08149	140	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-12	0.08488	116	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3D	0.03095	116	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3S	0.02143	106	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-5	0.02979	117	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2875	147	81	Yes	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-10	0.06943	140	87	Yes	21	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-15	-0.03061	-123	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-12	172.1	110	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-15	11.25	115	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-16	-48.17	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	-81.2	-148	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-4	-89.45	-154	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-5	-46.95	-110	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	219.7	84	68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	-84.9	-94	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	-136.2	-150	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	-133.2	-144	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	-87.51	-127	-74	Yes	19	0	n/a	n/a	0.01	NP

Appendix II Trend Tests - Prediction Limit Exceedances - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	GS-AP-MW-13 (bg)	-0.01983	-35	-38	No	12	41.67	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-17V (bg)	-0.002946	-6	-21	No	8	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-8 (bg)	0	-54	-74	No	19	63.16	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-10**	**0.4112**	**98**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-12**	**1.056**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.0591**	**122**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-16	-0.05689	-46	-74	No	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-2**	**0.01286**	**94**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-21 (bg)	-0.0003606	-2	-21	No	8	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-22D (bg)	0.00288	2	14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-22I (bg)**	**-0.01738**	**-15**	**-14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-22S (bg)	-0.001738	-5	-14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-23 (bg)	-0.02331	-7	-14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-23A (bg)	-0.03806	-13	-14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-3D**	**-0.02511**	**-96**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.01393**	**89**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-4**	**-0.02284**	**-110**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-5	-0.003109	-43	-74	No	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-6**	**0.01584**	**87**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-PZ-5**	**-0.03676**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	GS-AP-MW-13 (bg)	-2.607	-32	-38	No	12	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-17V (bg)	0.5155	8	21	No	8	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-8 (bg)	-0.5125	-54	-74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-1	-8.446	-49	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-10**	**8.341**	**89**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	MR-AP-MW-11	0	3	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-12**	**-11.34**	**-81**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-15**	**0.944**	**109**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-16**	**-16.69**	**-94**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	MR-AP-MW-2	3.751	42	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-21 (bg)	0.5681	2	21	No	8	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-22D (bg)	13.89	11	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-22I (bg)	-1.665	-11	-14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-22S (bg)	35.87	11	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-23 (bg)	5.19	2	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-23A (bg)	6.016	7	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-3D**	**-26.33**	**-157**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-4**	**-25.91**	**-154**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-5**	**-15.41**	**-113**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-6**	**5.638**	**143**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	GS-AP-MW-13 (bg)	0.1178	10	38	No	12	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-17V (bg)	-0.1941	-14	-21	No	8	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**GS-AP-MW-8 (bg)**	**0.1958**	**100**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-15	0	0	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-21 (bg)	-0.08795	-1	-21	No	8	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-22D (bg)**	**374.4**	**15**	**14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-22I (bg)	-43.65	-5	-14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-22S (bg)	-0.79	-2	-14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-23 (bg)	147	9	14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-23A (bg)	11.3	4	14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**10.22**	**122**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**-4.781**	**-115**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-5	-2.536	-79	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-6**	**1.739**	**142**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-PZ-5	-1.008	-50	-81	No	20	0	n/a	n/a	0.01	NP

Appendix II Trend Tests - Prediction Limit Exceedances - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	**GS-AP-MW-13 (bg)**	**0.02914**	**48**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	GS-AP-MW-17V (bg)	0.000751	3	21	No	8	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-8 (bg)	0.00285	29	81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.08149**	**140**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.08488**	**116**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	MR-AP-MW-21 (bg)	-0.0254	-10	-21	No	8	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-22D (bg)	-0.01872	-4	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-22I (bg)	-0.06345	-11	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-22S (bg)	-0.09225	-11	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-23 (bg)	-0.006257	-3	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-23A (bg)	-0.01524	-3	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.03095**	**116**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.02143**	**106**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.02979**	**117**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2875**	**147**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	GS-AP-MW-13 (bg)	-0.05825	-34	-43	No	13	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-17V (bg)	-0.05933	-15	-21	No	8	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-8 (bg)	-0.03466	-73	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-10**	**0.06943**	**140**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-12	-0.01724	-42	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-15**	**-0.03061**	**-123**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-16	0.05067	87	87	No	21	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-21 (bg)	0.08914	10	21	No	8	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-22D (bg)	0.09012	3	14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-22I (bg)	0.2135	11	14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-22S (bg)	0.0711	5	14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-23 (bg)	-0.003972	-1	-14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-23A (bg)	-0.01446	-1	-14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-13 (bg)	0.01849	11	38	No	12	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-17V (bg)	-1.512	-20	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-8 (bg)	0.169	36	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-1	-26.11	-45	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-10	39.64	67	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-11	-7.161	-31	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**172.1**	**110**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-15**	**11.25**	**115**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**-48.17**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-2	16.46	34	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-21 (bg)	7.401	14	21	No	8	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-22D (bg)	50.83	11	14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-22I (bg)	-6.977	-5	-14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-22S (bg)	2.466	1	14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-23 (bg)	0.03654	1	14	No	6	16.67	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-23A (bg)	16.77	11	14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**-81.2**	**-148**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	15.98	52	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**-89.45**	**-154**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**-46.95**	**-110**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-6	6.69	35	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-13 (bg)	-7.182	-29	-38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-17V (bg)	-2.073	-5	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-8 (bg)	-2.33	-37	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	-19.51	-28	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	42.25	62	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	-15.3	-44	-74	No	19	0	n/a	n/a	0.01	NP

Appendix II Trend Tests - Prediction Limit Exceedances - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**219.7**	**84**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-15	9.865	72	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**-84.9**	**-94**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	28.79	43	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-21 (bg)	4.85	4	21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-22D (bg)	406.3	11	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-22I (bg)	-121.7	-11	-14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-22S (bg)	48.13	3	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-23 (bg)	27.44	3	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-23A (bg)	156.4	5	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**-136.2**	**-150**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	22.03	50	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**-133.2**	**-144**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**-87.51**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	6.864	47	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	-44.37	-58	-74	No	19	0	n/a	n/a	0.01	NP

Upper Tolerance Limits - Summary Table

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 1/4/2022, 3:38 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	68.85	n/a	n/a	0.04377	NP Inter
Arsenic (mg/L)	n/a	0.00645	n/a	n/a	n/a	61	n/a	n/a	27.87	n/a	n/a	0.04377	NP Inter
Barium (mg/L)	n/a	12.4	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Beryllium (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Chromium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	45.9	n/a	n/a	0.04377	NP Inter
Cobalt (mg/L)	n/a	0.00362	n/a	n/a	n/a	61	n/a	n/a	78.69	n/a	n/a	0.04377	NP Inter
Combined Radium 226 + 228 (pCi/L)	n/a	7.07	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Fluoride, total (mg/L)	n/a	0.436	n/a	n/a	n/a	63	n/a	n/a	0	n/a	n/a	0.0395	NP Inter
Lead (mg/L)	n/a	0.00189	n/a	n/a	n/a	61	n/a	n/a	88.52	n/a	n/a	0.04377	NP Inter
Lithium (mg/L)	n/a	1.2	n/a	n/a	n/a	61	n/a	n/a	18.03	n/a	n/a	0.04377	NP Inter
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Molybdenum (mg/L)	n/a	0.0127	n/a	n/a	n/a	61	n/a	n/a	31.15	n/a	n/a	0.04377	NP Inter
Selenium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter

MILLER AP GWPS			
Analyte	**Units**	**Background**	**GWPS**
Antimony	mg/L	0.003	0.006
Arsenic	mg/L	0.00645	0.01
Barium	mg/L	12.4	2
Beryllium	mg/L	0.003	0.004
Cadmium	mg/L	0.001	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00362	0.006
Combined Radium-226/228	pCi/L	7.07	5
Fluoride	mg/L	0.436	4
Lead	mg/L	0.00189	0.015
Lithium	mg/L	1.2	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.0127	0.1
Selenium	mg/L	0.01	0.05
Thallium	mg/L	0.001	0.002

Notes:

1. mg/L - Milligrams per liter

2. pCi/L - Picocuries per liter

3. The background limits were used as the groundwater protection standard (GWPS) when appropriate under 40 CFR §257.95(h), ADEM Rule 335-13-15-.06(h), and the ADEM Variance.

4. GWPS established during second semi-annual sampling event in 2021.

Confidence Intervals - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**MR-AP-MW-3D**	**0.015**	**0.0107**	**0.01**	**Yes**	**8**	**0.01185**	**0.001444**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Cobalt (mg/L)	**MR-AP-MW-13SR**	**0.1198**	**0.008419**	**0.006**	**Yes**	**5**	**0.06412**	**0.03324**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MR-AP-MW-2**	**0.0574**	**0.03805**	**0.006**	**Yes**	**8**	**0.04773**	**0.009126**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-1**	**0.2194**	**0.09907**	**0.04**	**Yes**	**8**	**0.1593**	**0.05678**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2324**	**0.1662**	**0.04**	**Yes**	**8**	**0.199**	**0.03254**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.3863**	**0.198**	**0.04**	**Yes**	**8**	**0.2921**	**0.08882**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.2014**	**0.1114**	**0.04**	**Yes**	**8**	**0.1564**	**0.04245**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-2**	**0.27**	**0.211**	**0.04**	**Yes**	**8**	**0.2426**	**0.02573**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1207**	**0.09887**	**0.04**	**Yes**	**8**	**0.1098**	**0.01031**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.3469**	**0.2449**	**0.04**	**Yes**	**8**	**0.2959**	**0.04812**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.07983**	**0.06255**	**0.04**	**Yes**	**8**	**0.07119**	**0.008152**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0.2171**	**0.02088**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07653**	**0.04**	**Yes**	**8**	**0.08204**	**0.005199**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1384**	**0.09879**	**0.04**	**Yes**	**5**	**0.1186**	**0.01182**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1658**	**0.1354**	**0.04**	**Yes**	**5**	**0.1506**	**0.009072**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0642**	**0.04**	**Yes**	**5**	**0.07568**	**0.00878**	**0**	**None**	**No**	**0.031**	**NP (normality)**
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1693**	**0.1307**	**0.04**	**Yes**	**8**	**0.15**	**0.01817**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.615**	**0.1401**	**0.1**	**Yes**	**8**	**0.3683**	**0.2451**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9669**	**0.4111**	**0.1**	**Yes**	**8**	**0.689**	**0.2622**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MR-AP-MW-12	0.00102	0.00056	0.006	No	8	0.0009075	0.0002084	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-16	0.00107	0.000768	0.006	No	8	0.0009947	0.00009328	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-3D	0.00118	0.00102	0.006	No	8	0.00104	0.00005657	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-3S	0.00126	0.00102	0.006	No	8	0.00105	0.00008485	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-PZ-5	0.00102	0.0009	0.006	No	8	0.001005	0.00004243	87.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	MR-AP-MW-1	0.0058	0.0021	0.01	No	8	0.00284	0.001282	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-10	0.061	0.00142	0.01	No	8	0.01296	0.02216	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-11	0.0002	0.00008	0.01	No	8	0.0001502	0.0000553	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-12	0.006839	0.002819	0.01	No	8	0.004829	0.001896	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13DR	0.0007421	0.0001759	0.01	No	5	0.000459	0.0001889	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13SR	0.002148	0.000256	0.01	No	5	0.001202	0.0006312	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-14R	0.0002826	0.0001484	0.01	No	5	0.0002182	0.00004294	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-15	0.00153	0.0002	0.01	No	8	0.0005306	0.0004715	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-16	0.0031	0.0002	0.01	No	8	0.0008026	0.0009822	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-2	0.00431	0.002537	0.01	No	8	0.003424	0.0008365	0	None	No	0.01	Param.
Arsenic (mg/L)	**MR-AP-MW-3D**	**0.015**	**0.0107**	**0.01**	**Yes**	**8**	**0.01185**	**0.001444**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Arsenic (mg/L)	MR-AP-MW-3S	0.002245	0.0003299	0.01	No	8	0.001287	0.0009032	12.5	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-4	0.0004	0.0002	0.01	No	8	0.0002624	0.00008804	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-5	0.01309	0.009675	0.01	No	8	0.01139	0.001613	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-6	0.0002	0.000104	0.01	No	8	0.000178	0.00004096	75	None	No	0.004	NP (NDs)
Arsenic (mg/L)	MR-AP-MW-7DR	0.005487	0.00003351	0.01	No	5	0.001927	0.002044	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-7SR	0.002781	0.001555	0.01	No	5	0.002168	0.000366	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9DR	0.0009234	0.0002122	0.01	No	5	0.0005678	0.0002373	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9SR	0.001609	0.0004774	0.01	No	5	0.001043	0.0003378	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-PZ-5	0.001192	0.0001085	0.01	No	8	0.0006024	0.0005827	12.5	None	ln(x)	0.01	Param.
Barium (mg/L)	MR-AP-MW-1	0.142	0.01953	2	No	8	0.08076	0.05777	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-10	0.01827	0.01356	2	No	8	0.01593	0.002453	0	None	x^2	0.01	Param.
Barium (mg/L)	MR-AP-MW-11	0.041	0.03157	2	No	8	0.0364	0.004926	0	None	x^5	0.01	Param.
Barium (mg/L)	MR-AP-MW-12	0.0186	0.01433	2	No	8	0.01646	0.002012	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13DR	0.1487	0.0282	2	No	5	0.08846	0.03596	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13SR	0.04678	0.01062	2	No	5	0.0287	0.01079	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-14R	0.116	0.0998	2	No	5	0.1042	0.006828	0	None	No	0.031	NP (normality)
Barium (mg/L)	MR-AP-MW-15	0.06178	0.02697	2	No	8	0.04438	0.01642	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-16	0.0294	0.01995	2	No	8	0.02468	0.004456	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-2	0.01876	0.01556	2	No	8	0.01716	0.00151	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3D	0.03611	0.02456	2	No	8	0.03034	0.005447	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3S	0.447	0.146	2	No	8	0.2529	0.124	0	None	No	0.004	NP (normality)
Barium (mg/L)	MR-AP-MW-4	0.01526	0.01214	2	No	8	0.0137	0.001475	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-5	0.01729	0.01538	2	No	8	0.01634	0.0008991	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-6	0.02643	0.02285	2	No	8	0.02464	0.00169	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7DR	0.03319	0.02365	2	No	5	0.02842	0.002849	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7SR	0.04724	0.03692	2	No	5	0.04208	0.003082	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-9DR	0.04366	0.02121	2	No	5	0.03542	0.008299	0	None	x^4	0.01	Param.
Barium (mg/L)	MR-AP-MW-9SR	0.0274	0.0169	2	No	5	0.0197	0.004367	0	None	No	0.031	NP (normality)
Barium (mg/L)	MR-AP-PZ-5	0.26	0.1725	2	No	8	0.2163	0.04126	0	None	No	0.01	Param.
Beryllium (mg/L)	MR-AP-MW-13SR	0.002526	0.0008714	0.004	No	5	0.001562	0.0005807	40	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MR-AP-MW-10	0.0002	0.00009	0.005	No	8	0.0001735	0.00004912	75	None	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-12	0.0002	0.0000927	0.005	No	8	0.0001716	0.00004319	62.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-13SR	0.000378	0.0001	0.005	No	5	0.0002156	0.0001006	60	None	No	0.031	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-4	0.0002	0.000073	0.005	No	8	0.0001691	0.0000572	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-1	0.006249	0.0008724	0.1	No	8	0.003425	0.003167	12.5	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	MR-AP-MW-10	0.00139	0.000436	0.1	No	8	0.0009245	0.0003179	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-11	0.00102	0.00027	0.1	No	8	0.0007515	0.0003718	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-12	0.00215	0.00048	0.1	No	8	0.001071	0.0004751	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-13DR	0.0007029	0.00007313	0.1	No	5	0.0006408	0.0003825	40	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-13SR	0.0006767	0.00009031	0.1	No	5	0.0005108	0.0003341	20	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-14R	0.0004831	0.0002069	0.1	No	5	0.000615	0.0003765	40	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-15	0.00102	0.000243	0.1	No	8	0.0007441	0.0003815	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-16	0.00102	0.00067	0.1	No	8	0.0009762	0.0001237	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-2	0.00102	0.00021	0.1	No	8	0.000855	0.0003159	75	Kaplan-Meier	No	0.004	NP (NDs)

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	MR-AP-MW-3D	0.00102	0.00027	0.1	No	8	0.0007541	0.0003674	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-3S	0.00102	0.00034	0.1	No	8	0.0007286	0.0003254	50	None	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-4	0.00102	0.000278	0.1	No	8	0.000836	0.0003407	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-5	0.00102	0.00027	0.1	No	8	0.0009262	0.0002652	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-6	0.00102	0.00023	0.1	No	8	0.0007282	0.0004027	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-7DR	0.00102	0.000282	0.1	No	5	0.0007284	0.0003993	60	None	No	0.031	NP (NDs)
Chromium (mg/L)	MR-AP-MW-7SR	0.00102	0.000219	0.1	No	5	0.0005478	0.0004312	40	None	No	0.031	NP (normality)
Chromium (mg/L)	MR-AP-MW-9DR	0.00102	0.00024	0.1	No	5	0.000429	0.0003313	20	None	No	0.031	NP (normality)
Chromium (mg/L)	MR-AP-MW-9SR	0.00102	0.0002	0.1	No	5	0.0005508	0.0004306	40	None	No	0.031	NP (normality)
Chromium (mg/L)	MR-AP-PZ-5	0.00102	0.00021	0.1	No	8	0.0008212	0.0003681	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-1	0.000389	0.00006033	0.006	No	8	0.0003066	0.0003247	50	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-10	0.00137	0.0002	0.006	No	8	0.00046	0.0004395	50	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-11	0.0002	0.000077	0.006	No	8	0.0001846	0.00004349	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-12	0.00165	0.0002	0.006	No	8	0.000805	0.0006599	50	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-13DR	0.001097	0.0002467	0.006	No	5	0.000672	0.0002838	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	**MR-AP-MW-13SR**	**0.1198**	**0.008419**	**0.006**	**Yes**	**5**	**0.06412**	**0.03324**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MR-AP-MW-14R	0.0002	0.0000688	0.006	No	5	0.0001738	0.00005867	80	None	No	0.031	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-15	0.0247	0.0002	0.006	No	8	0.003677	0.008517	37.5	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-16	0.005396	0.0007515	0.006	No	8	0.003074	0.002342	25	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	**MR-AP-MW-2**	**0.0574**	**0.03805**	**0.006**	**Yes**	**8**	**0.04773**	**0.009126**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MR-AP-MW-3D	0.005534	0.003989	0.006	No	8	0.004761	0.0007289	0	None	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-4	0.01643	0.004238	0.006	No	8	0.01033	0.005751	0	None	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-6	0.0471	0.00456	0.006	No	8	0.01531	0.01538	0	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-7SR	0.0009209	0.0002958	0.006	No	5	0.0006448	0.0002551	20	Kaplan-Meier	x^2	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9DR	0.0002008	0.00008803	0.006	No	5	0.0001586	0.00004265	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9SR	0.0003236	0.00006176	0.006	No	5	0.0002052	0.00008101	20	Kaplan-Meier	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-1	0.8192	0.3288	5	No	8	0.574	0.2314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-10	1.068	0.2609	5	No	8	0.6645	0.3808	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-11	0.4814	0.1525	5	No	8	0.3169	0.1551	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-12	1.06	0.2864	5	No	8	0.6596	0.4045	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13DR	1.019	0.1705	5	No	5	0.5946	0.2531	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13SR	1.456	0.4948	5	No	5	1.048	0.326	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-14R	1.064	-0.3279	5	No	5	0.368	0.4153	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-15	0.5264	0.1499	5	No	8	0.3382	0.1776	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-16	0.447	0.1133	5	No	8	0.2802	0.1574	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-2	0.7389	0.2911	5	No	8	0.515	0.2113	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3D	0.8089	-0.03867	5	No	8	0.3851	0.3998	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3S	0.9324	0.008309	5	No	8	0.4704	0.4359	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-4	0.5184	0.1711	5	No	8	0.3448	0.1639	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-5	0.993	0.2303	5	No	8	0.6116	0.3598	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-6	0.3563	0.1455	5	No	8	0.2509	0.09942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7DR	1.476	-0.2493	5	No	5	0.6132	0.5147	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7SR	0.893	0.293	5	No	5	0.593	0.179	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9DR	1.397	0.06187	5	No	5	0.7296	0.3985	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9SR	0.4982	0.09745	5	No	5	0.2978	0.1196	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-PZ-5	0.6989	0.104	5	No	8	0.3869	0.335	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-1	0.1793	0.1457	4	No	8	0.1625	0.01581	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-10	1.182	0.4096	4	No	8	0.7886	0.4853	0	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-11	0.1353	0.1032	4	No	8	0.1193	0.01514	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-12	1.078	0.842	4	No	8	0.9591	0.1149	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13DR	0.1949	0.1243	4	No	5	0.1596	0.02108	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13SR	0.6003	0.3389	4	No	5	0.4696	0.07801	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-14R	0.216	0.1508	4	No	5	0.1834	0.01948	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-15	0.1314	0.08531	4	No	8	0.1084	0.02175	12.5	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-16	0.2306	0.1344	4	No	8	0.1815	0.05187	0	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-2	0.3294	0.1509	4	No	8	0.2401	0.08418	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3D	0.4057	0.3383	4	No	8	0.372	0.03177	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3S	0.3381	0.2847	4	No	8	0.3114	0.02519	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-4	0.2632	0.1853	4	No	8	0.2243	0.03679	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-5	0.4227	0.3801	4	No	8	0.4014	0.02009	0	None	No	0.01	Param.

Confidence Intervals - All Results

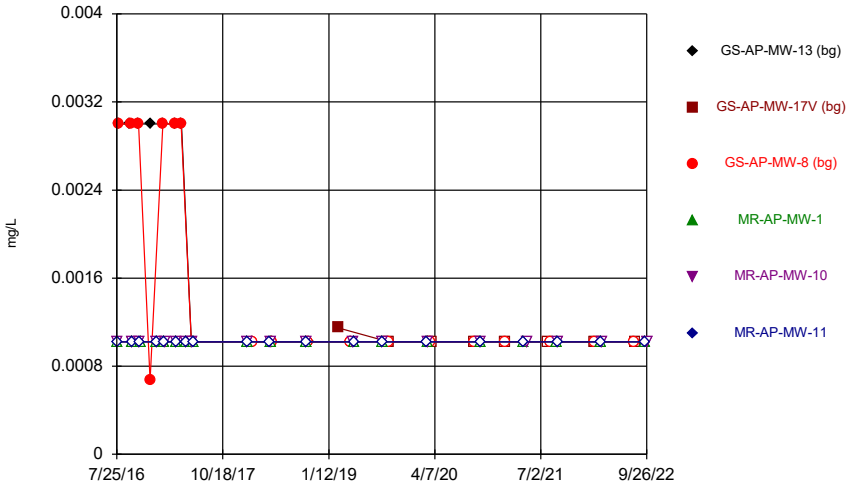
Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	MR-AP-MW-6	0.1688	0.08631	4	No	8	0.1276	0.03892	12.5	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7DR	0.1553	0.1055	4	No	5	0.1066	0.04288	40	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7SR	0.2673	0.1763	4	No	5	0.2218	0.02718	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9DR	0.2119	0.09335	4	No	5	0.1526	0.03536	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9SR	0.1713	0.07006	4	No	5	0.1207	0.03022	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-PZ-5	2.442	1.686	4	No	8	2.064	0.3568	0	None	No	0.01	Param.
Lead (mg/L)	MR-AP-MW-13DR	0.0002	0.000121	0.015	No	5	0.0001842	0.00003533	80	None	No	0.031	NP (NDs)
Lead (mg/L)	MR-AP-MW-13SR	0.0004	0.00011	0.015	No	5	0.000222	0.0001069	60	None	No	0.031	NP (NDs)
Lead (mg/L)	MR-AP-MW-3D	0.0002	0.000084	0.015	No	8	0.0001855	0.00004101	87.5	None	No	0.004	NP (NDs)
Lithium (mg/L)	**MR-AP-MW-1**	**0.2194**	**0.09907**	**0.04**	**Yes**	**8**	**0.1593**	**0.05678**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2324**	**0.1662**	**0.04**	**Yes**	**8**	**0.199**	**0.03254**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.3863**	**0.198**	**0.04**	**Yes**	**8**	**0.2921**	**0.08882**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.2014**	**0.1114**	**0.04**	**Yes**	**8**	**0.1564**	**0.04245**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	MR-AP-MW-13DR	0.03855	0.03089	0.04	No	5	0.03472	0.002288	0	None	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-13SR	0.04701	0.01558	0.04	No	5	0.0293	0.01046	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	MR-AP-MW-14R	0.02168	0.01952	0.04	No	5	0.0206	0.0006442	0	None	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-15	0.0214	0.01835	0.04	No	8	0.01986	0.001476	12.5	None	ln(x)	0.01	Param.
Lithium (mg/L)	MR-AP-MW-16	0.1491	0.03687	0.04	No	8	0.09299	0.05294	0	None	No	0.01	Param.
Lithium (mg/L)	**MR-AP-MW-2**	**0.27**	**0.211**	**0.04**	**Yes**	**8**	**0.2426**	**0.02573**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1207**	**0.09887**	**0.04**	**Yes**	**8**	**0.1098**	**0.01031**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.3469**	**0.2449**	**0.04**	**Yes**	**8**	**0.2959**	**0.04812**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.07983**	**0.06255**	**0.04**	**Yes**	**8**	**0.07119**	**0.008152**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0.2171**	**0.02088**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07653**	**0.04**	**Yes**	**8**	**0.08204**	**0.005199**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1384**	**0.09879**	**0.04**	**Yes**	**5**	**0.1186**	**0.01182**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1658**	**0.1354**	**0.04**	**Yes**	**5**	**0.1506**	**0.009072**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0642**	**0.04**	**Yes**	**5**	**0.07568**	**0.00878**	**0**	**None**	**No**	**0.031**	**NP (normality)**
Lithium (mg/L)	MR-AP-MW-9SR	0.04741	0.03851	0.04	No	5	0.04296	0.002658	0	None	No	0.01	Param.
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1693**	**0.1307**	**0.04**	**Yes**	**8**	**0.15**	**0.01817**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	MR-AP-MW-15	0.0005	0.000316	0.002	No	8	0.000477	0.00006505	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-3S	0.0005	0.000318	0.002	No	8	0.0004773	0.00006435	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-5	0.0005	0.000319	0.002	No	8	0.0004774	0.00006399	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-PZ-5	0.0005	0.000311	0.002	No	8	0.0004764	0.00006682	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	MR-AP-MW-1	0.01147	0.005066	0.1	No	8	0.008199	0.003233	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.615**	**0.1401**	**0.1**	**Yes**	**8**	**0.3683**	**0.2451**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-11	0.00148	0.0002	0.1	No	8	0.0005201	0.0004551	50	None	No	0.004	NP (normality)
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9669**	**0.4111**	**0.1**	**Yes**	**8**	**0.689**	**0.2622**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-13DR	0.005993	0.001279	0.1	No	5	0.003636	0.001406	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-13SR	0.00311	0.00011	0.1	No	5	0.000764	0.001313	0	None	No	0.031	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-14R	0.0001683	0.00007642	0.1	No	5	0.0001534	0.00004871	40	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-15	0.000518	0.00008	0.1	No	8	0.0002135	0.0001321	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Molybdenum (mg/L)	MR-AP-MW-16	0.08411	0.01824	0.1	No	8	0.05118	0.03107	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-2	0.003024	0.0002609	0.1	No	8	0.001601	0.001477	37.5	Kaplan-Meier	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-3D	0.0266	0.024	0.1	No	8	0.02571	0.001043	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-3S	0.06294	0.04596	0.1	No	8	0.05445	0.008009	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-4	0.0002	0.00007	0.1	No	8	0.0001518	0.00005686	50	None	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-5	0.0901	0.0709	0.1	No	8	0.07694	0.007509	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-6	0.003598	0.0007066	0.1	No	8	0.002152	0.001364	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7DR	0.007171	0.002857	0.1	No	5	0.005014	0.001287	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7SR	0.03623	0.03145	0.1	No	5	0.03384	0.001426	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9DR	0.001055	0.0001373	0.1	No	5	0.0004748	0.0004147	20	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9SR	0.002338	-0.0004692	0.1	No	5	0.0009344	0.0008376	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-PZ-5	0.000438	0.000184	0.1	No	8	0.0002552	0.00009062	50	None	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-13SR	0.00102	0.000598	0.05	No	5	0.0009356	0.0001887	80	None	No	0.031	NP (NDs)
Selenium (mg/L)	MR-AP-MW-16	0.00629	0.000975	0.05	No	8	0.002282	0.001873	37.5	None	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-4	0.00112	0.00077	0.05	No	8	0.001001	0.00009978	75	None	No	0.004	NP (NDs)
Thallium (mg/L)	MR-AP-MW-13SR	0.0001707	0.00004882	0.002	No	5	0.0001278	0.00005433	20	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	MR-AP-MW-16	0.0002	0.00007	0.002	No	8	0.0001677	0.00005976	75	Kaplan-Meier	No	0.004	NP (NDs)
Thallium (mg/L)	MR-AP-MW-4	0.0002	0.00007	0.002	No	8	0.0001837	0.00004596	87.5	Kaplan-Meier	No	0.004	NP (NDs)

FIGURE A.

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 11/15/2022 12:31 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

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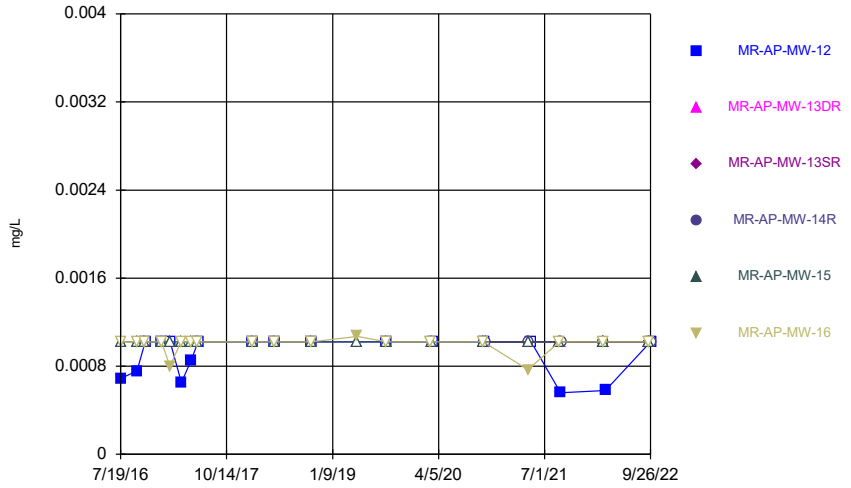

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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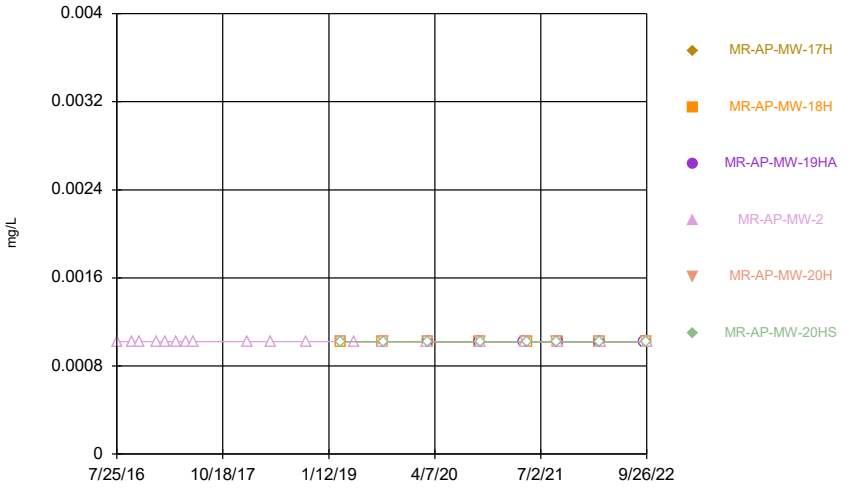

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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Hollow symbols indicate censored values.

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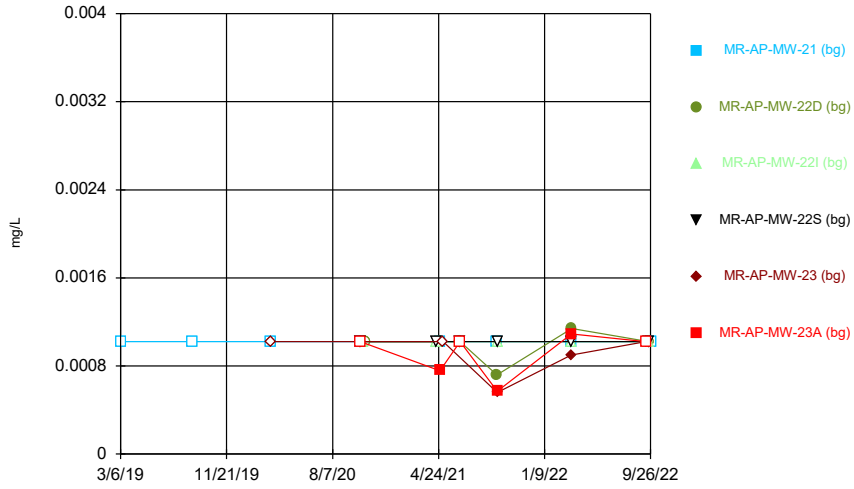

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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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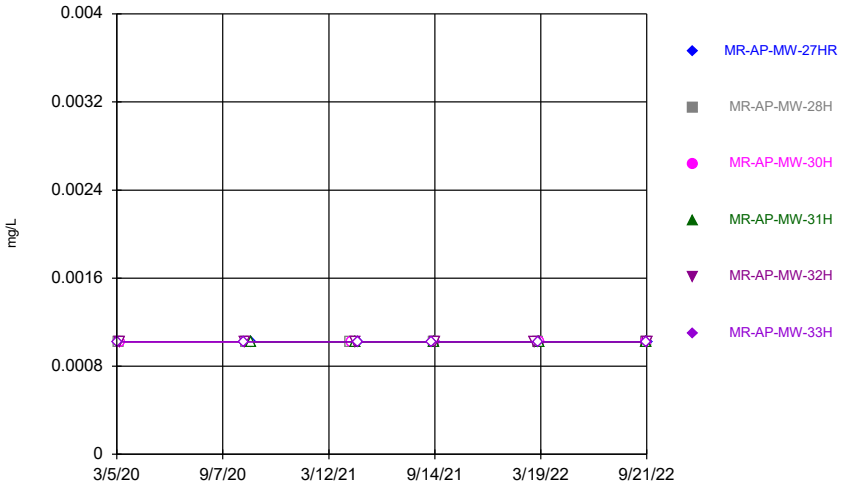

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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Hollow symbols indicate censored values.

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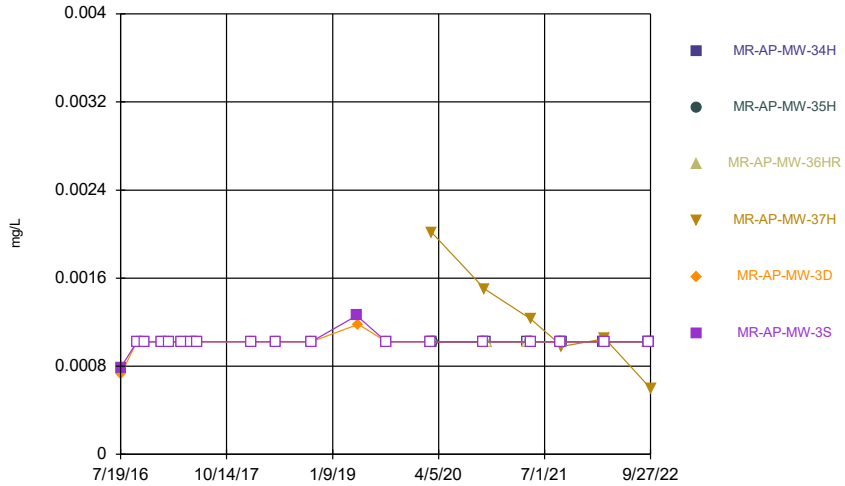

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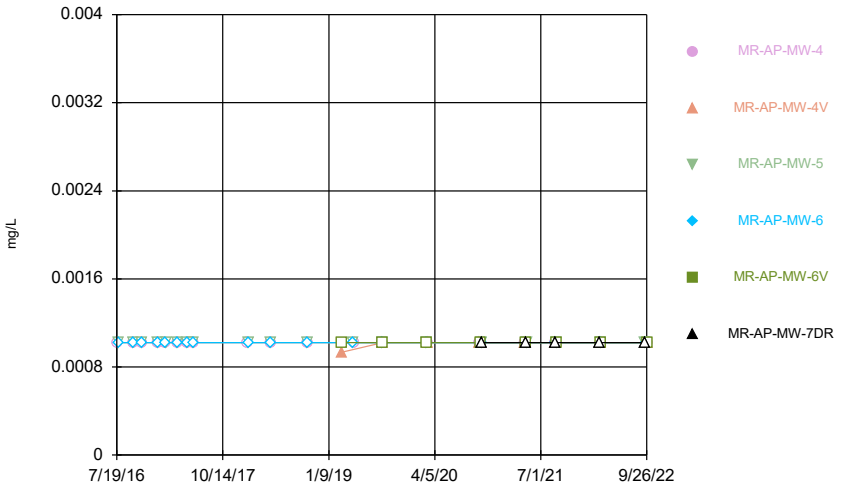

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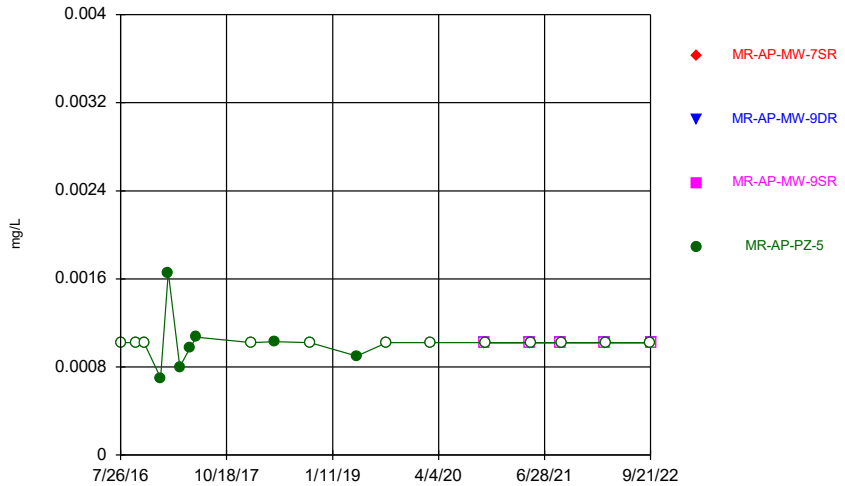

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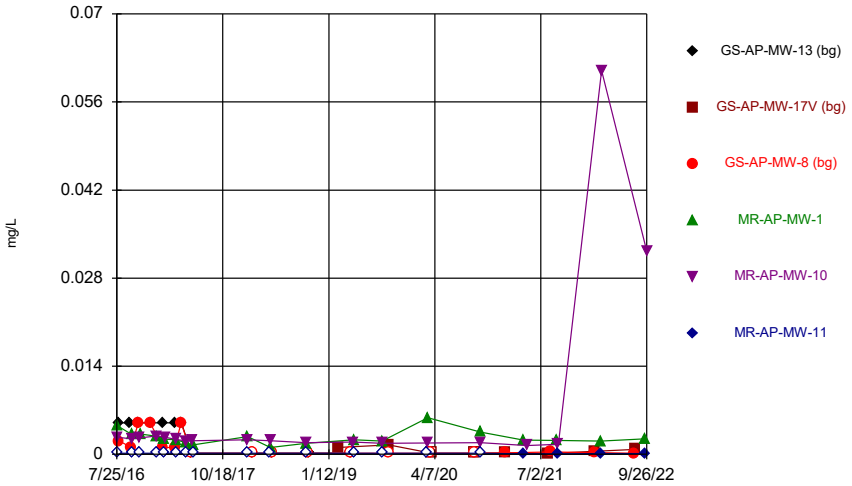

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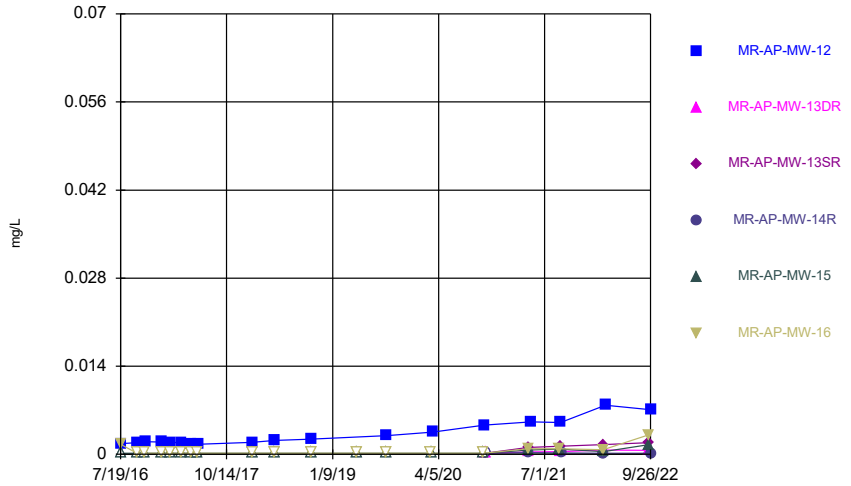

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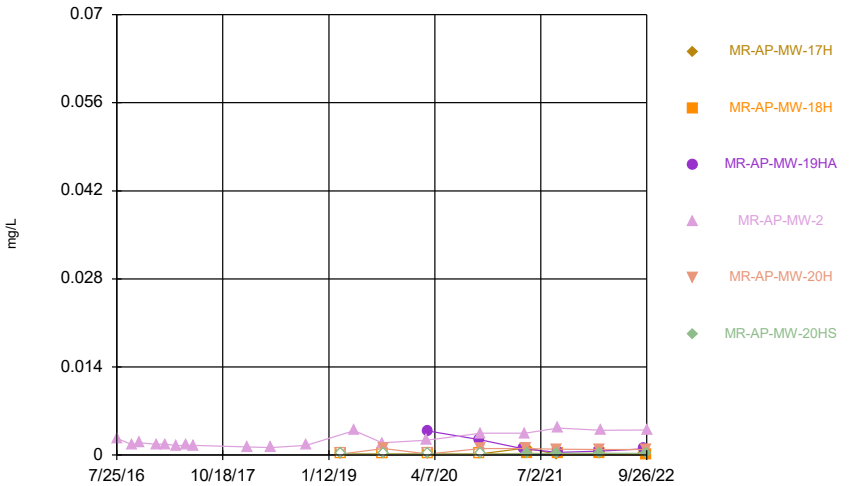
Hollow symbols indicate censored values.

Time Series



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Hollow symbols indicate censored values.

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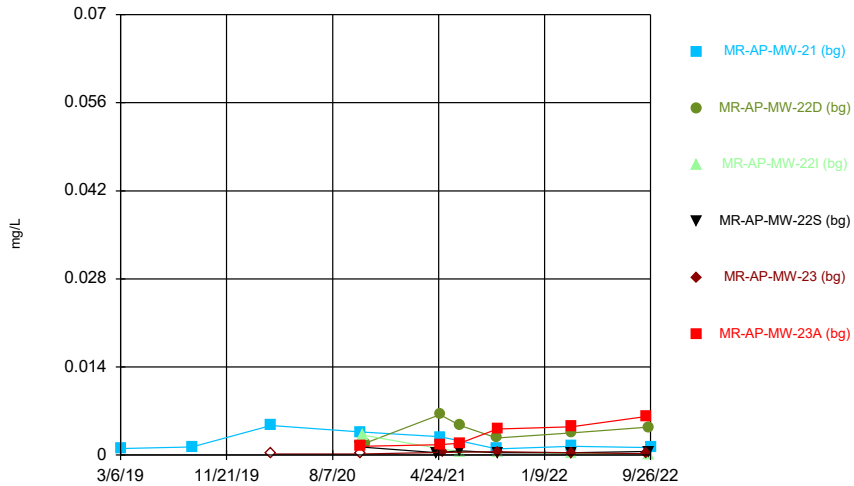

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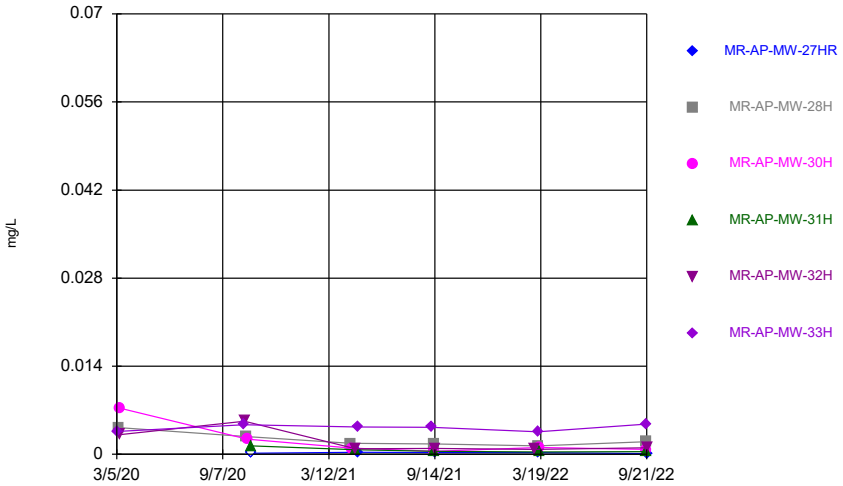

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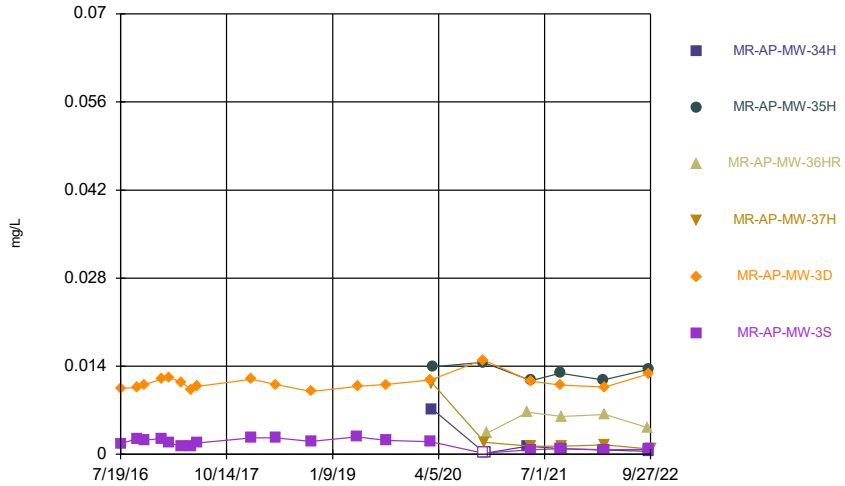

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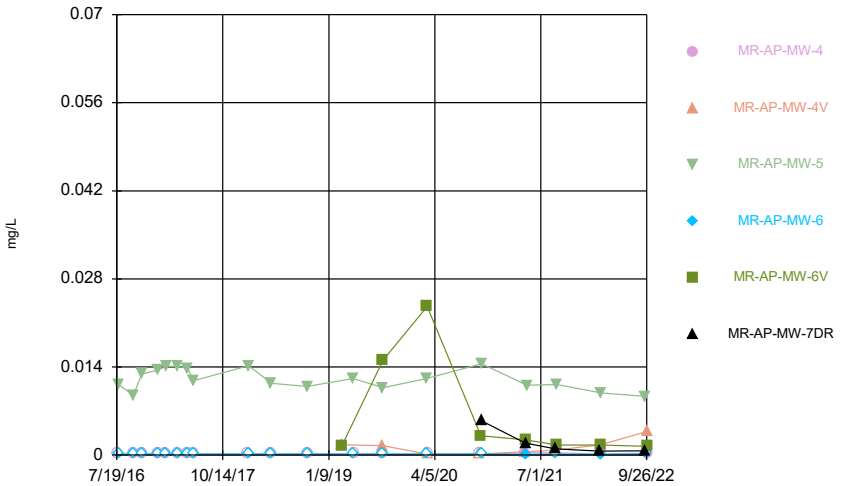

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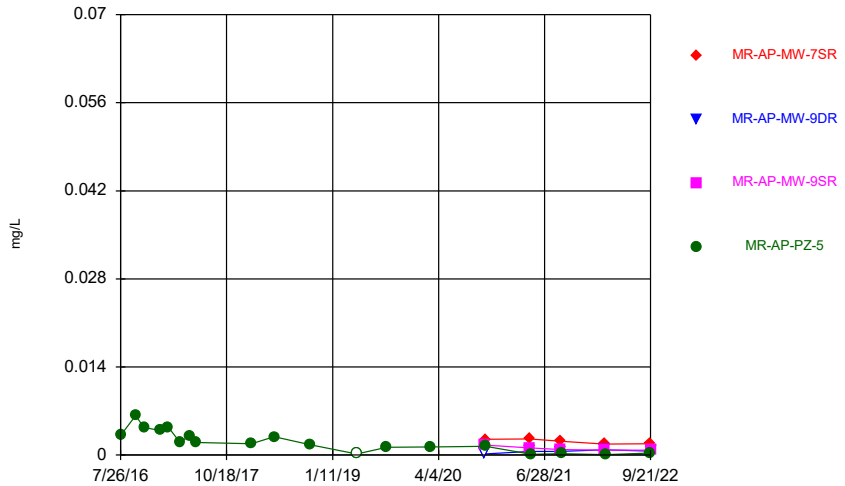

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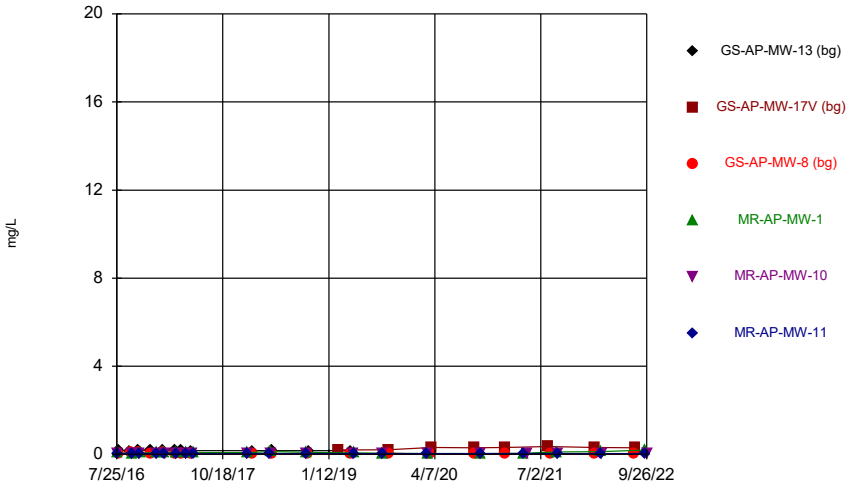

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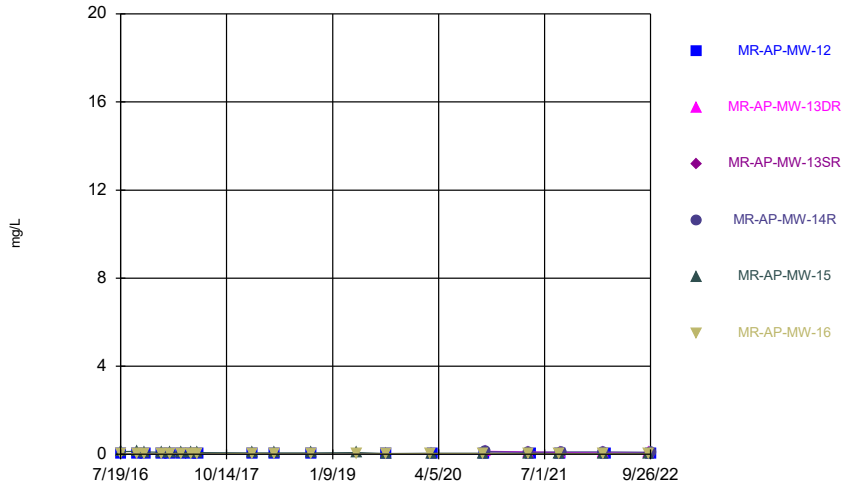

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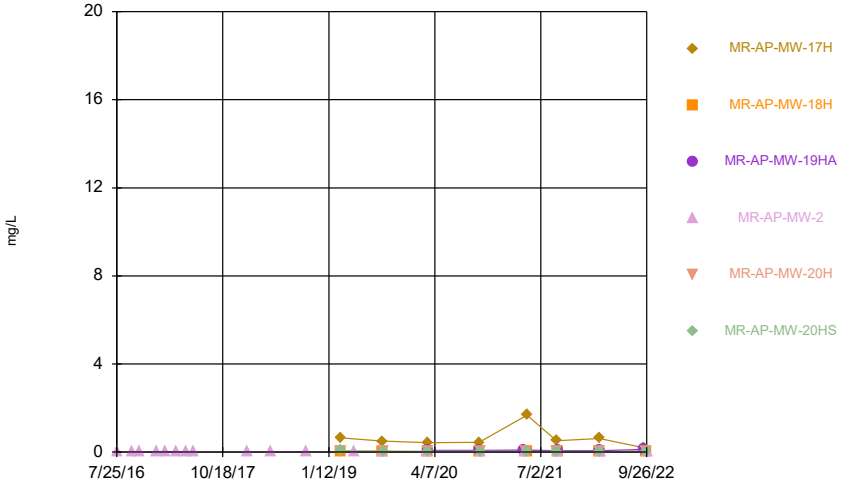

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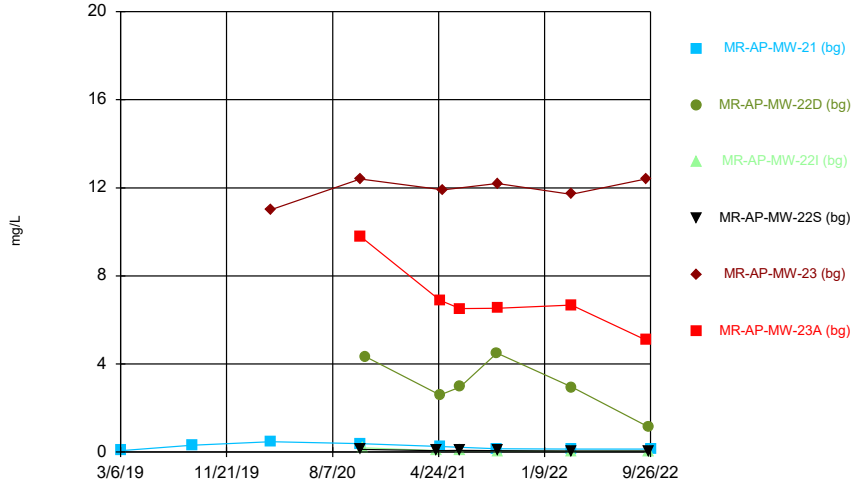

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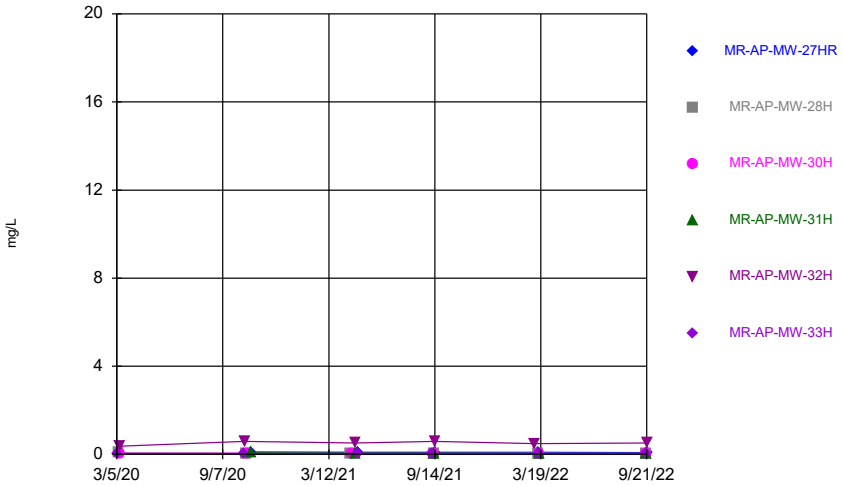

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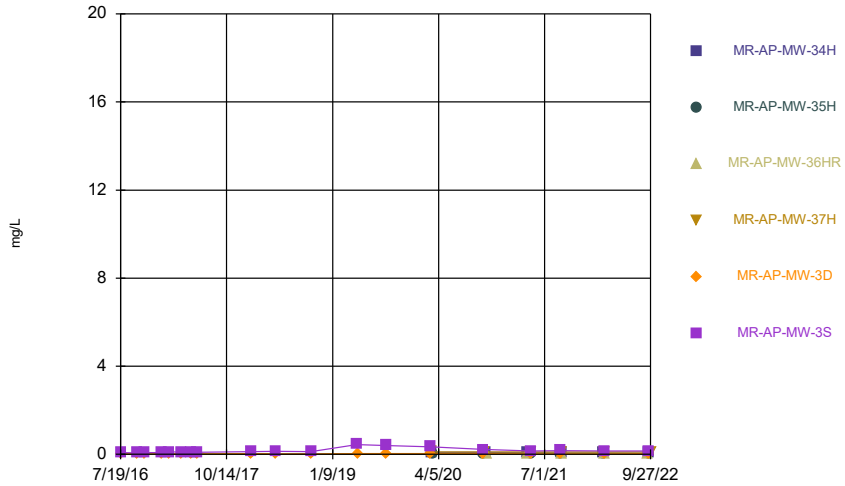

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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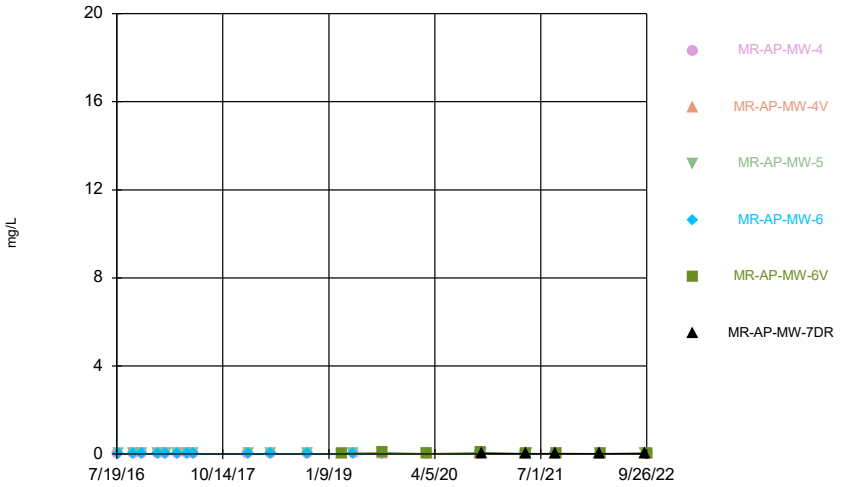

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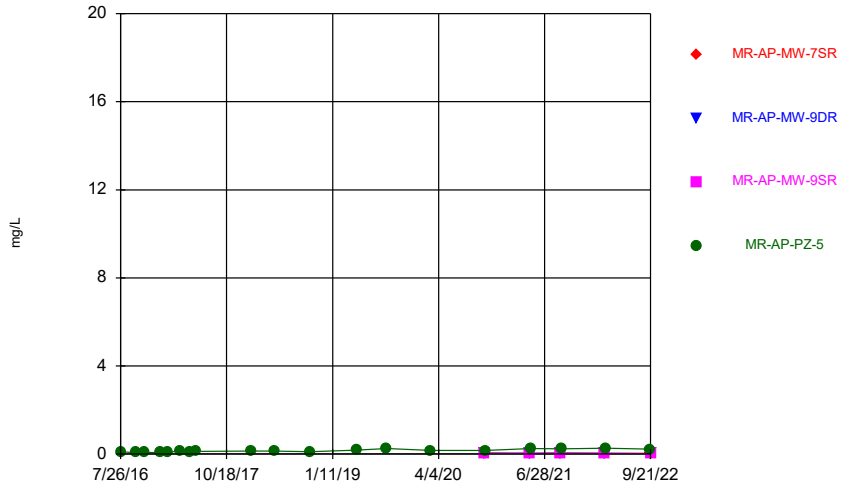

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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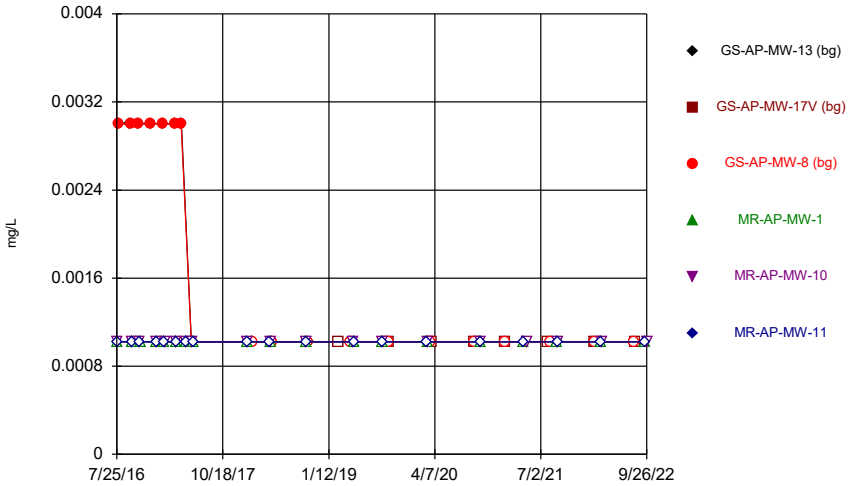

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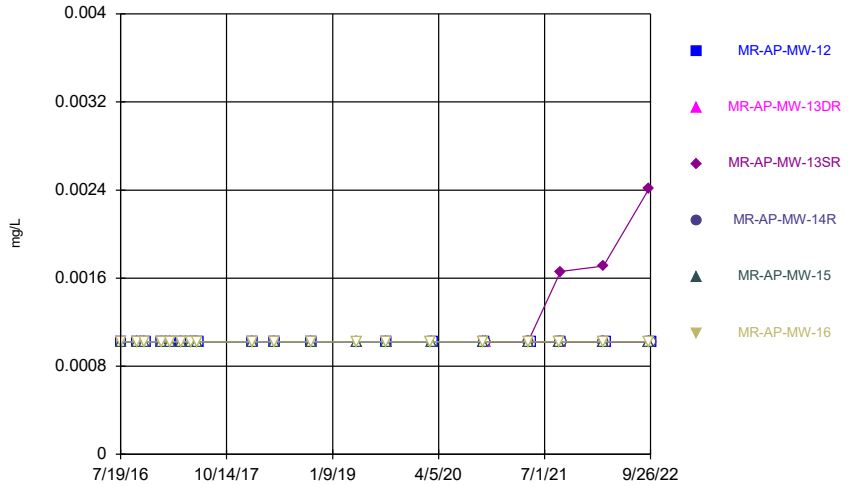

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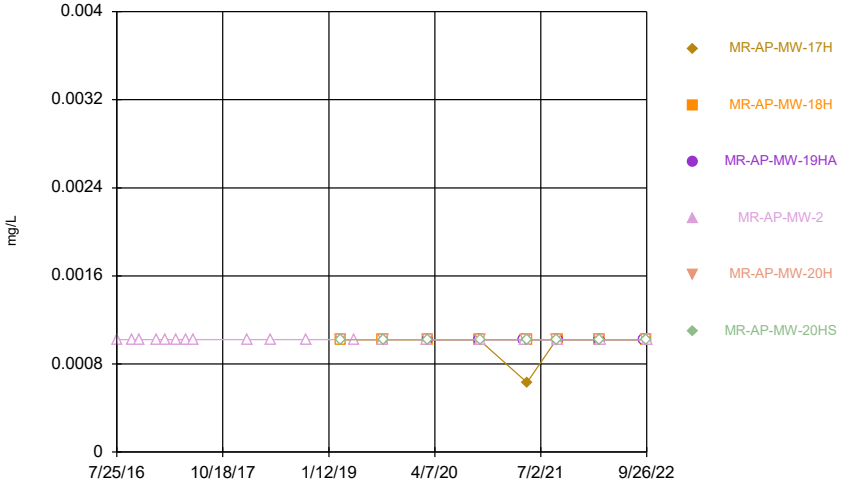

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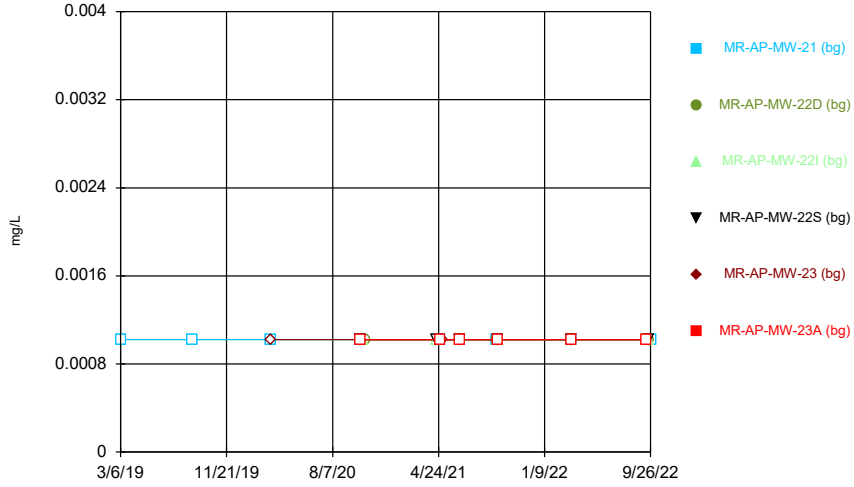

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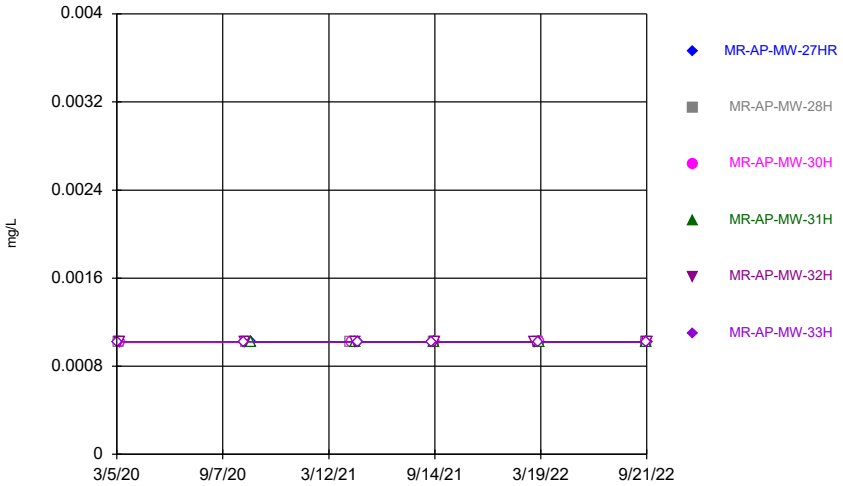

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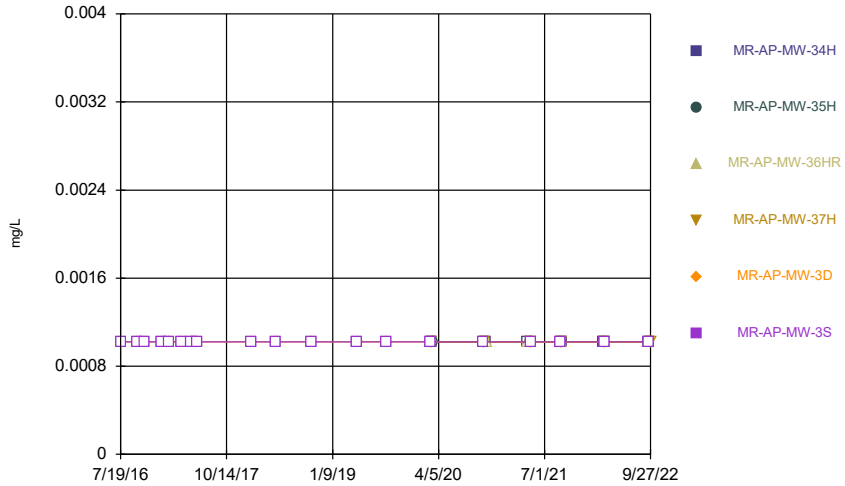

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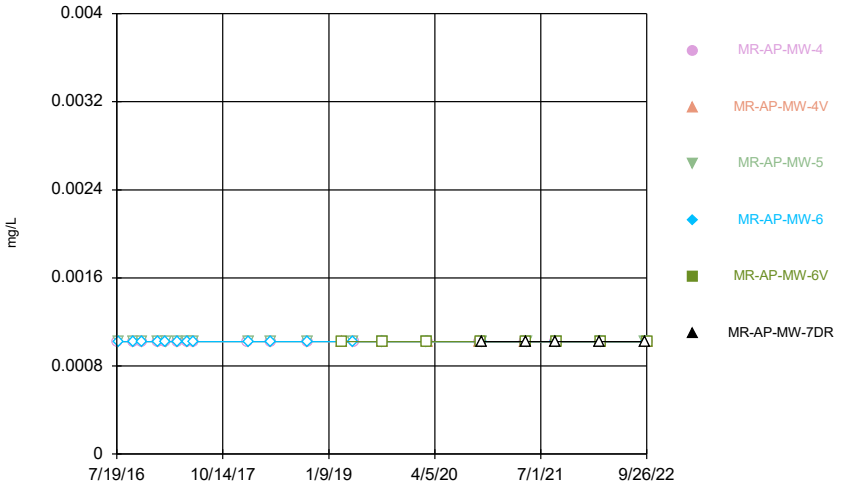

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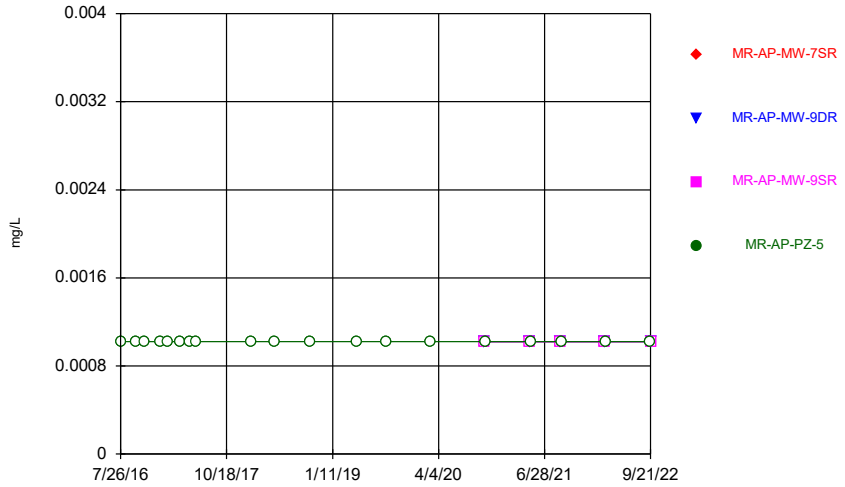

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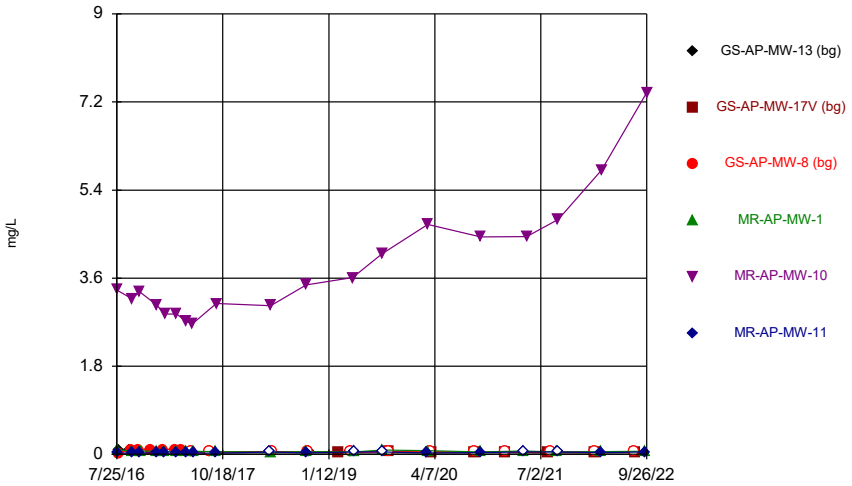

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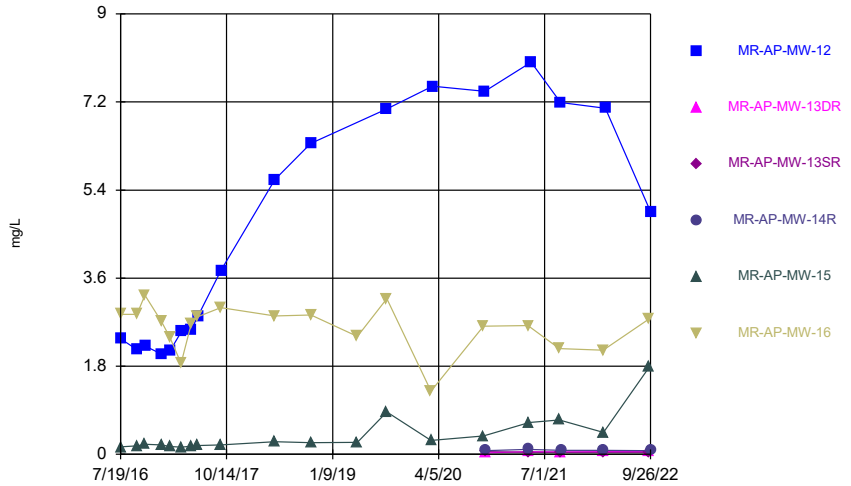
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

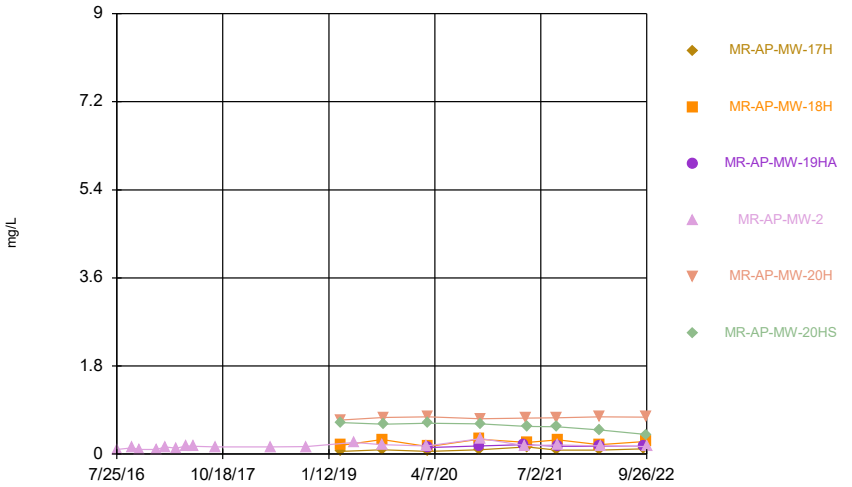
Time Series



Constituent: Boron, total Analysis Run 11/15/2022 12:32 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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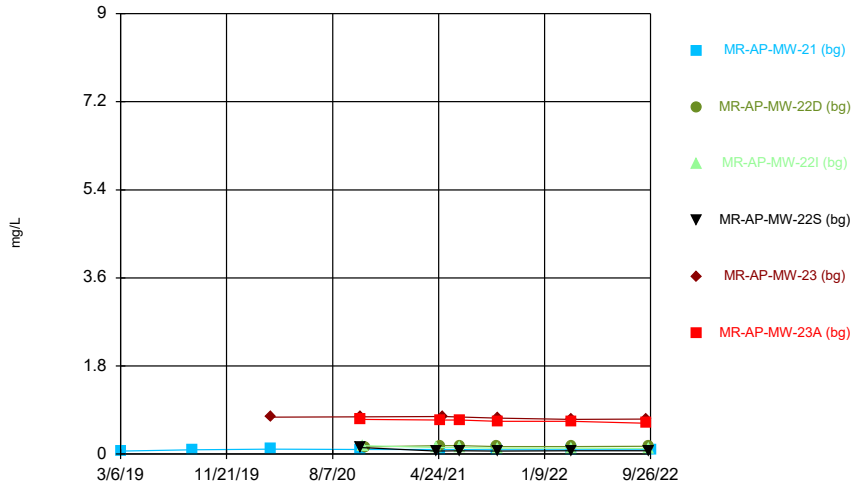
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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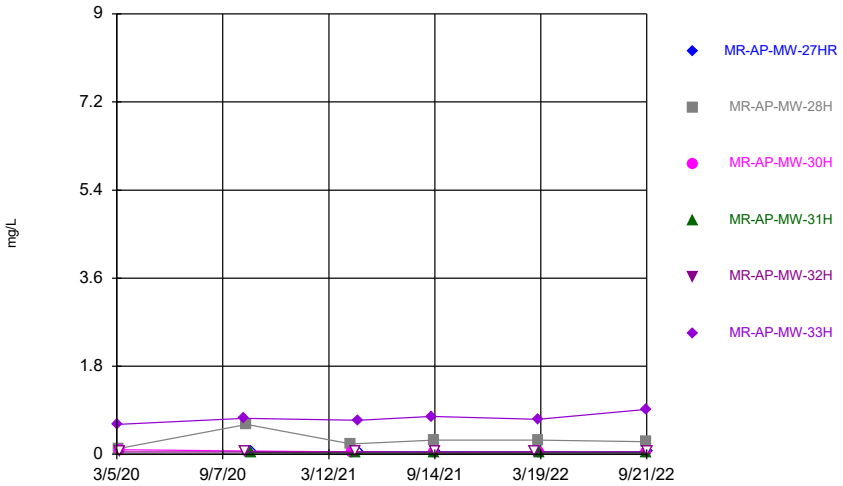
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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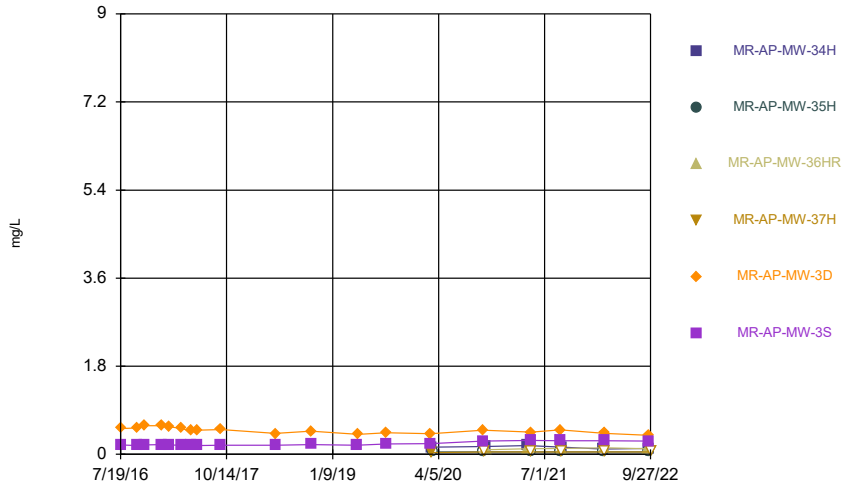
Time Series



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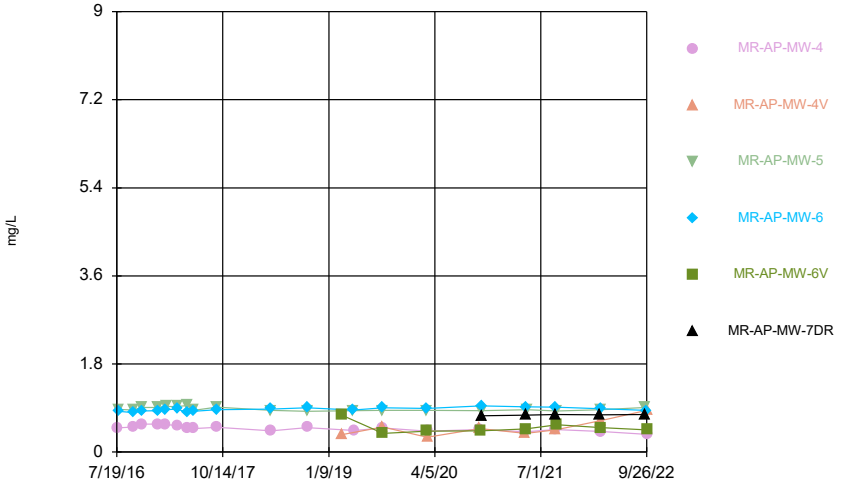
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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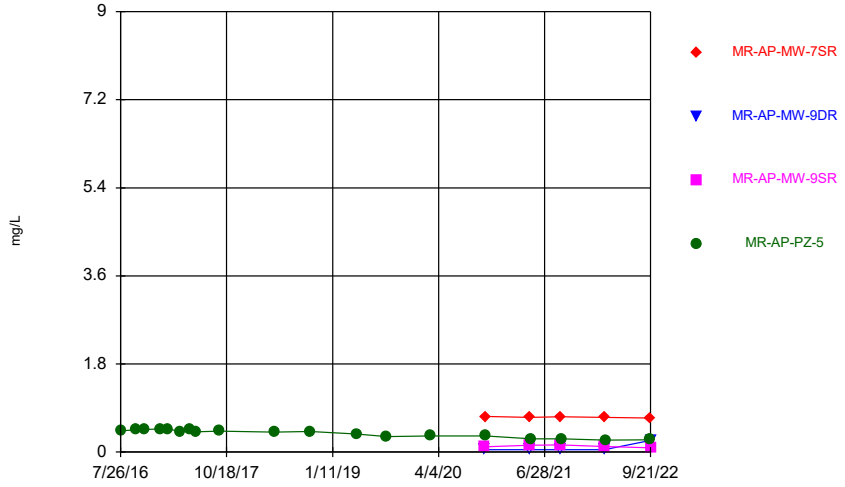
Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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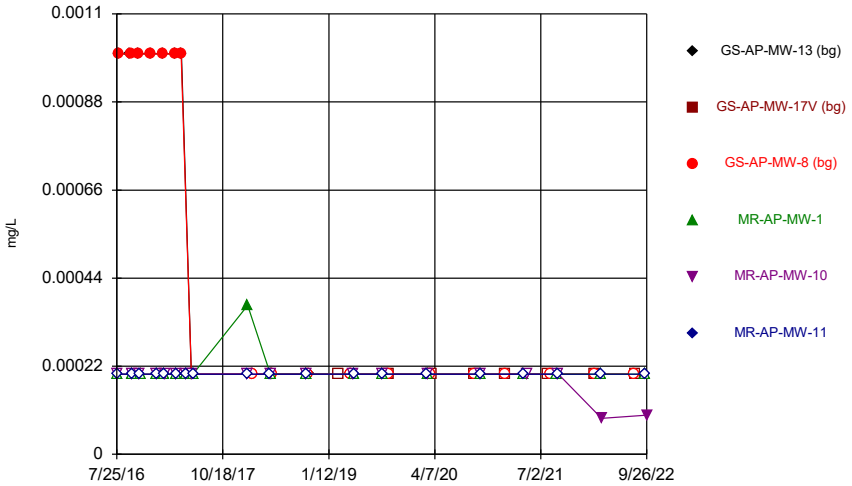
Time Series



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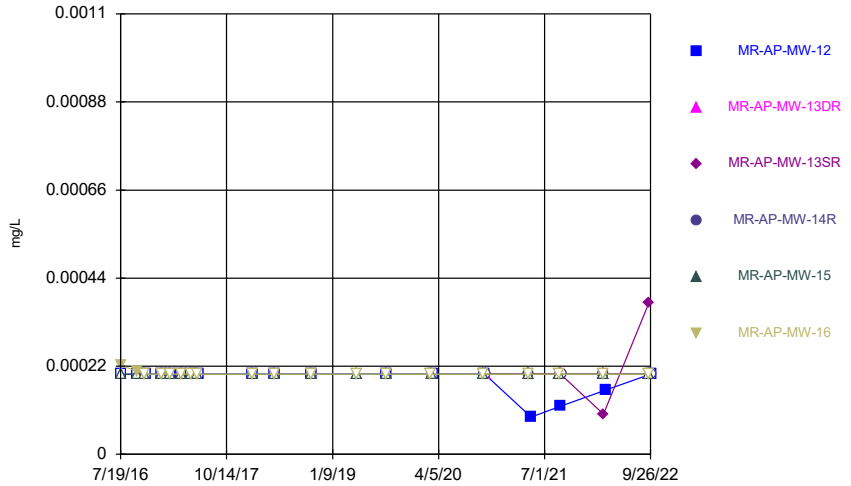
Hollow symbols indicate censored values.

Time Series



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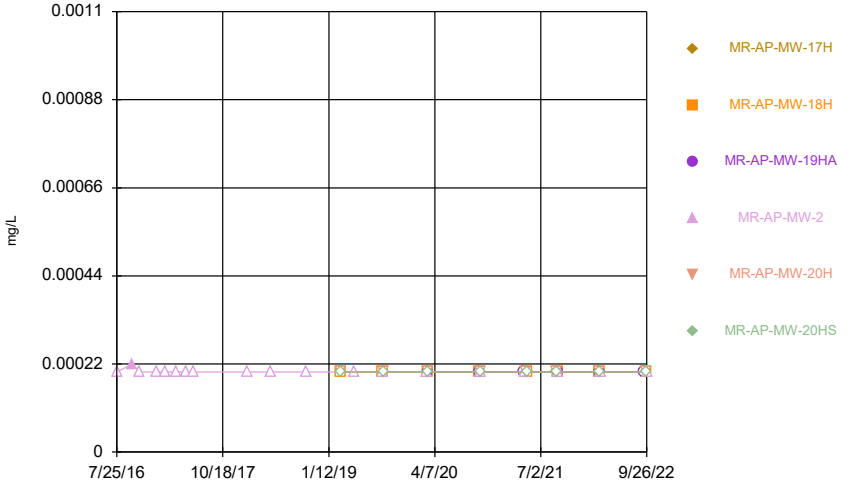

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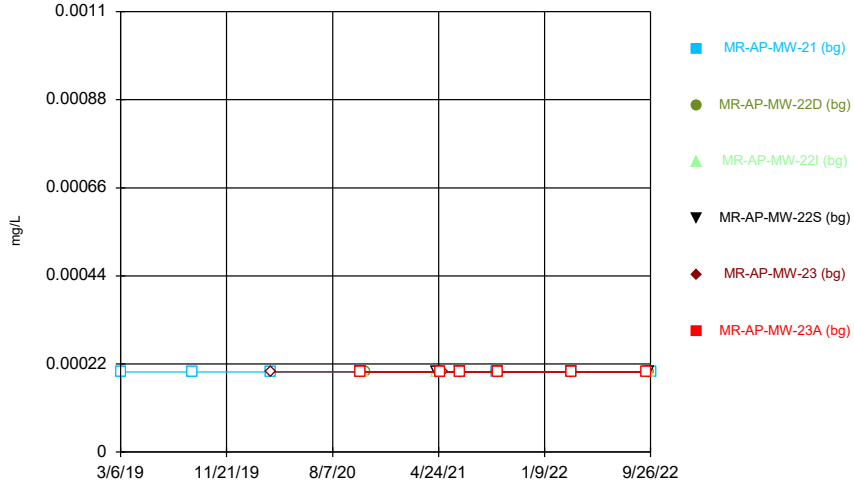
Time Series



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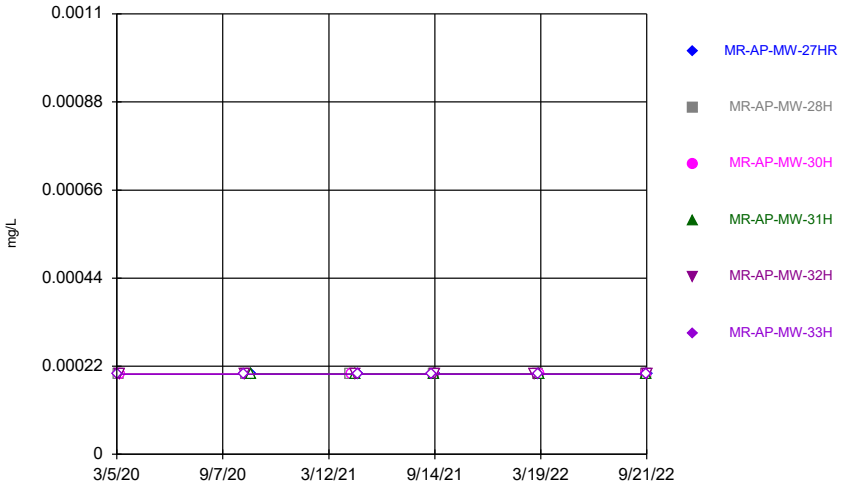
Time Series



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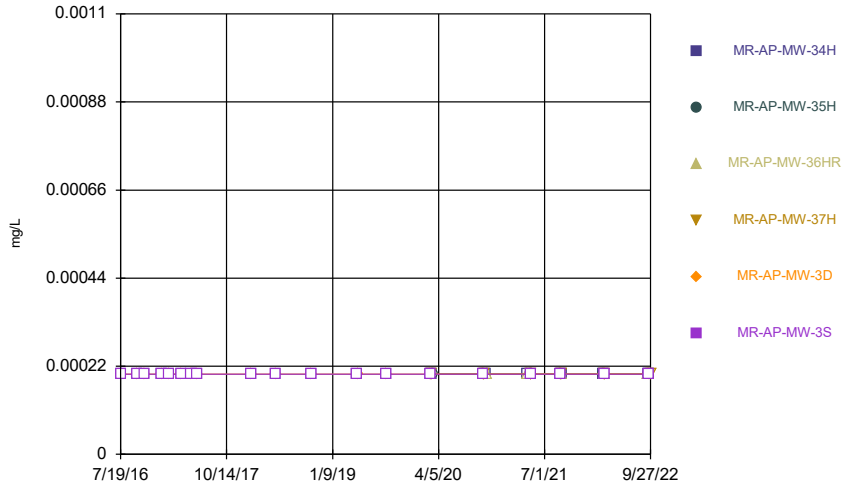
Time Series



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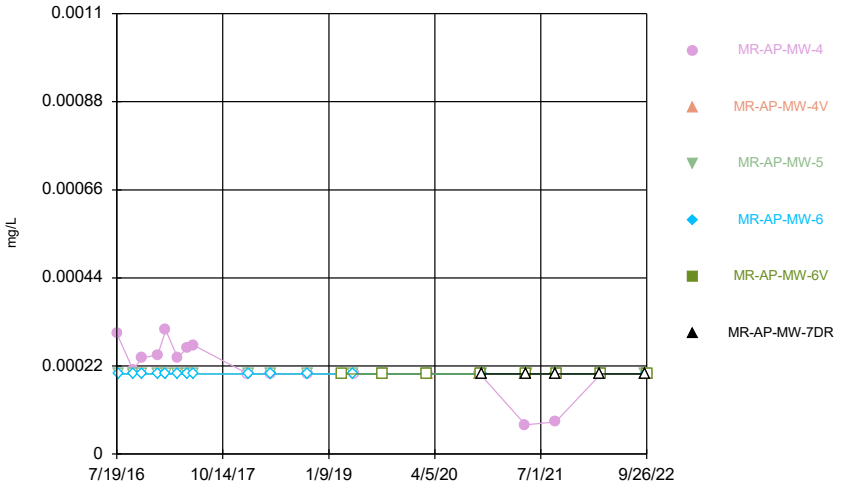
Hollow symbols indicate censored values.

Time Series



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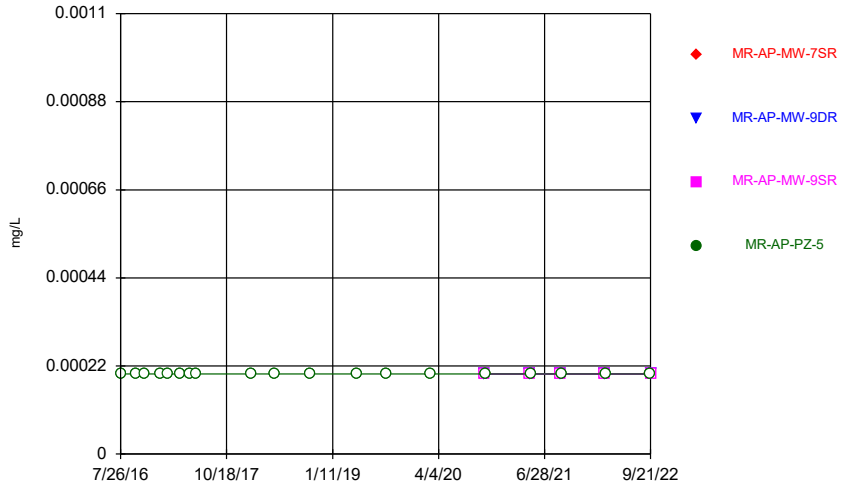
Time Series



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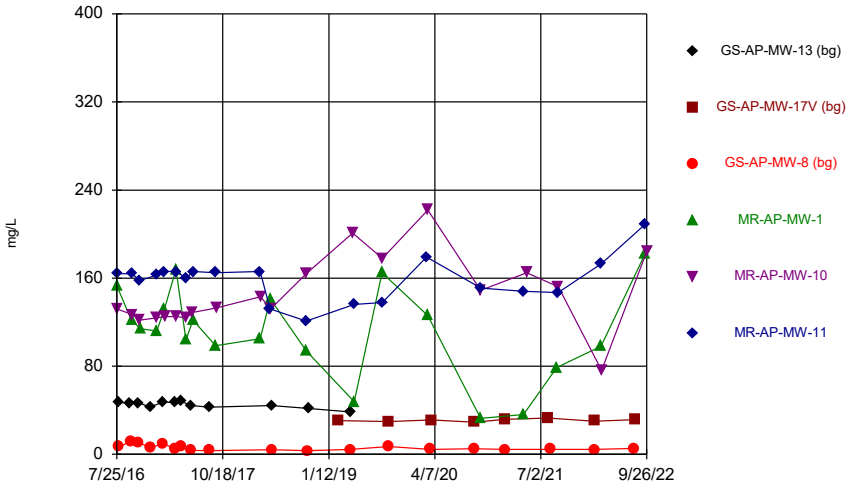
Time Series



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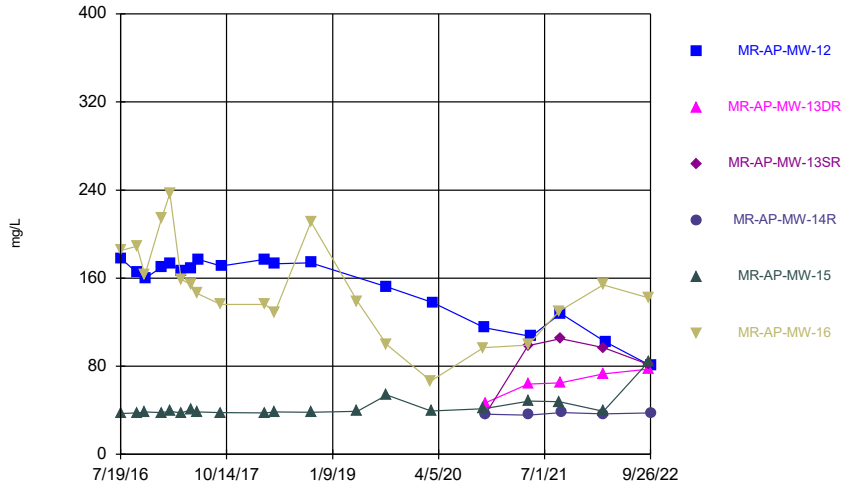
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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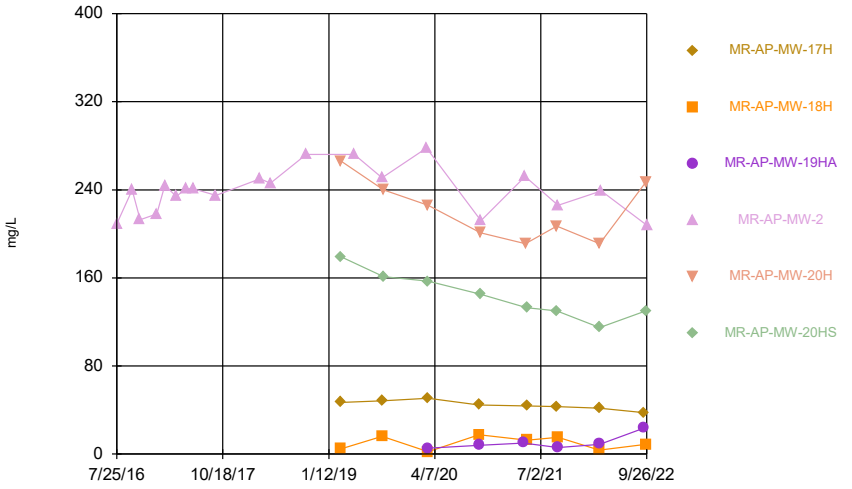
Time Series



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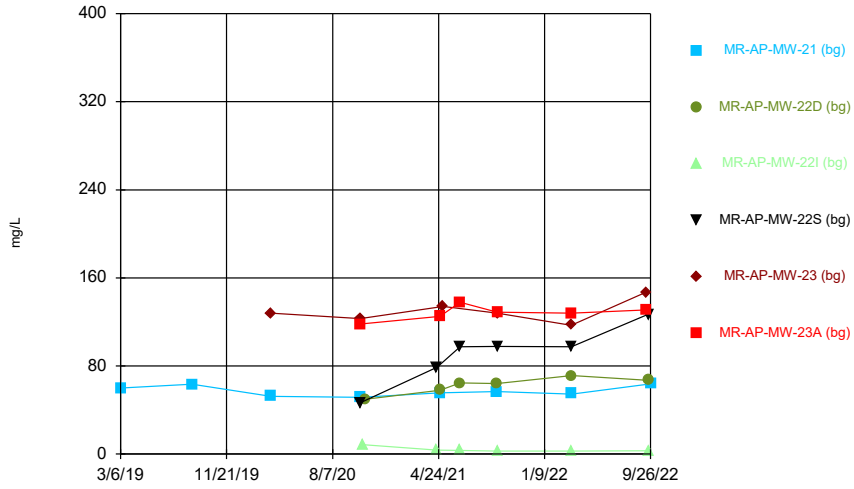
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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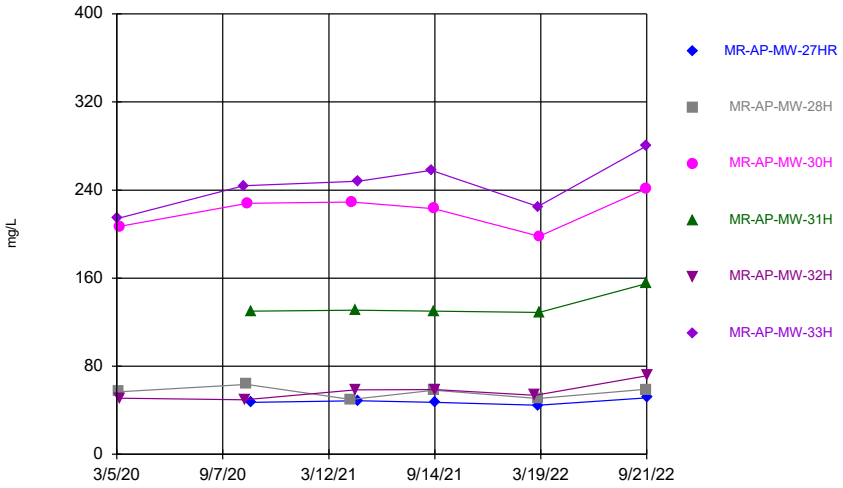
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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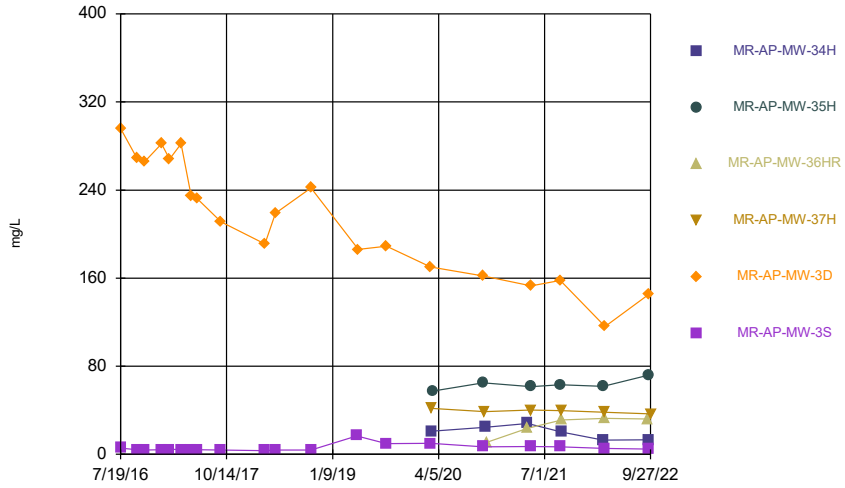
Time Series



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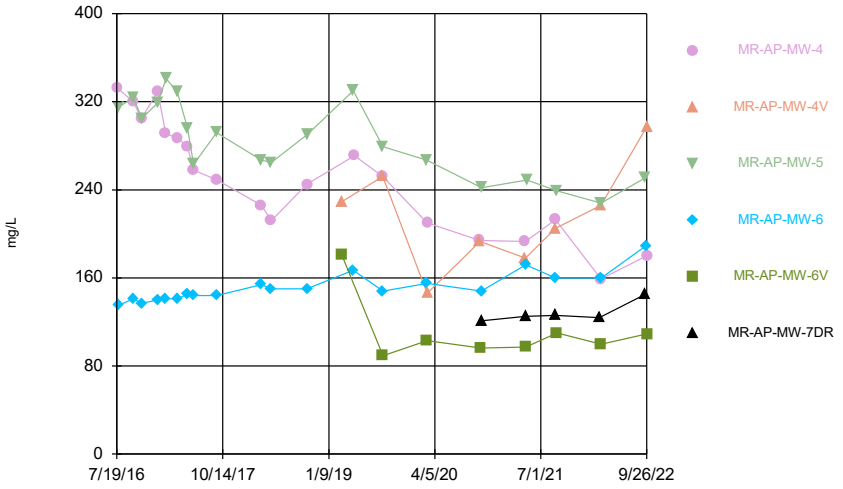
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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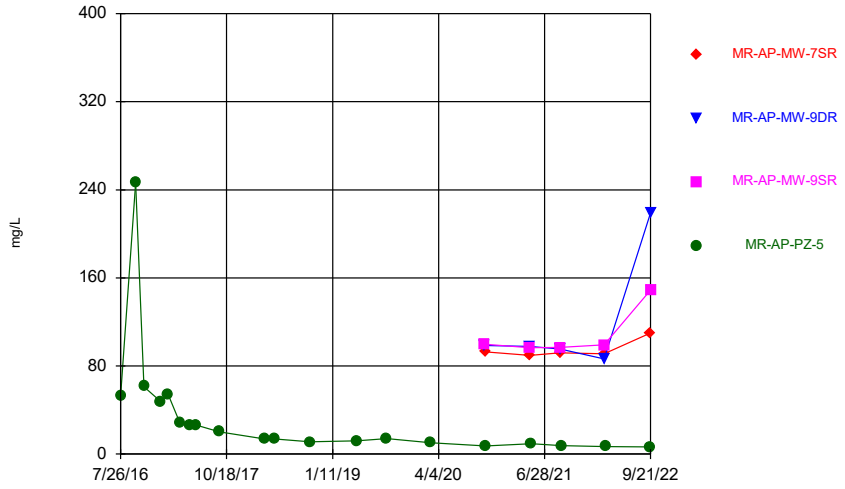
Time Series



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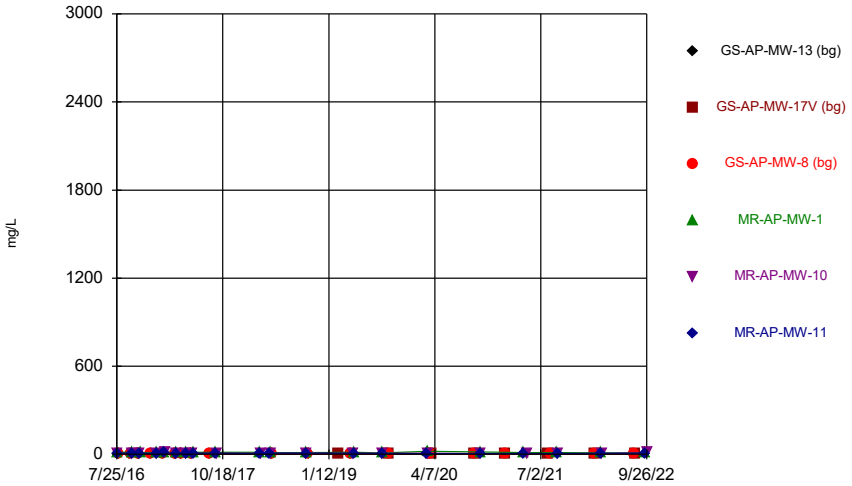
Plant Miller Client: Southern Company Data: Miller Ash Pond

Time Series



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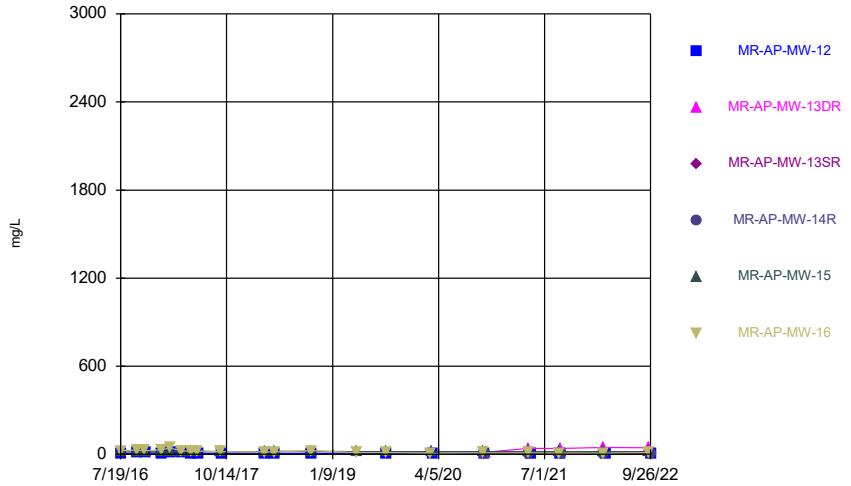
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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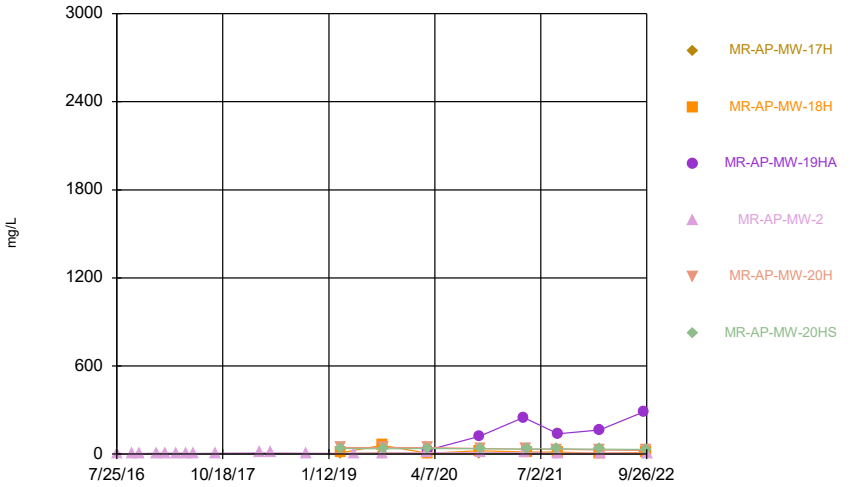
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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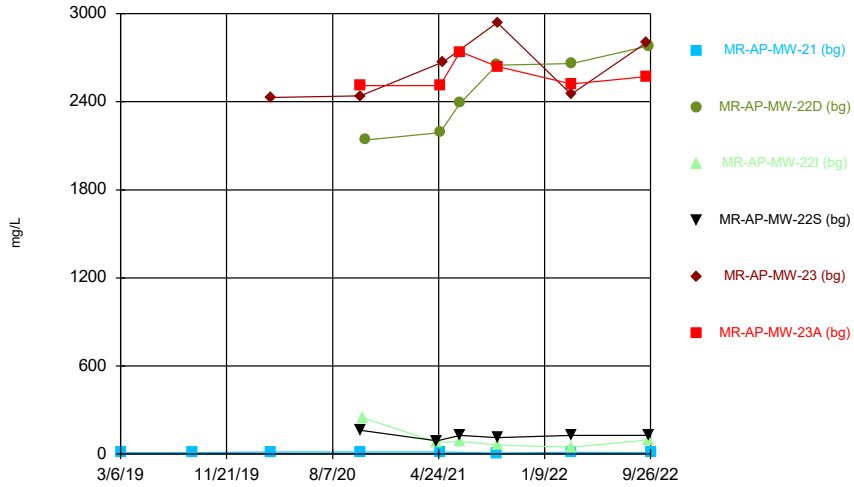

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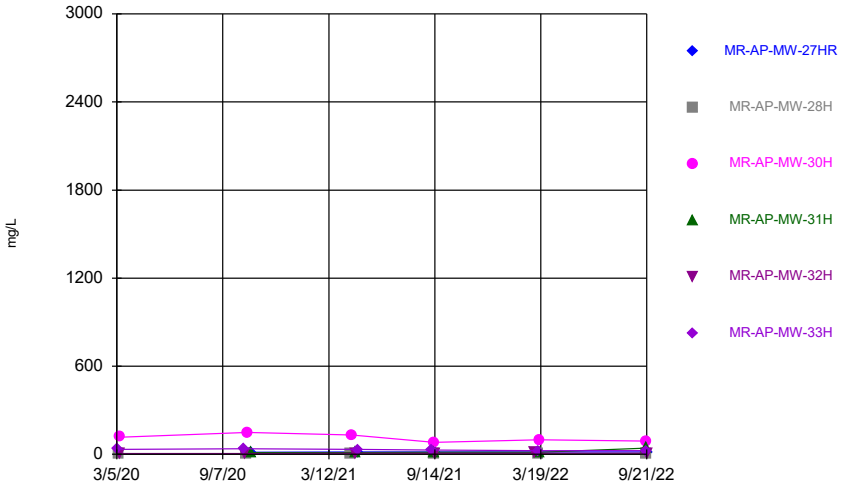
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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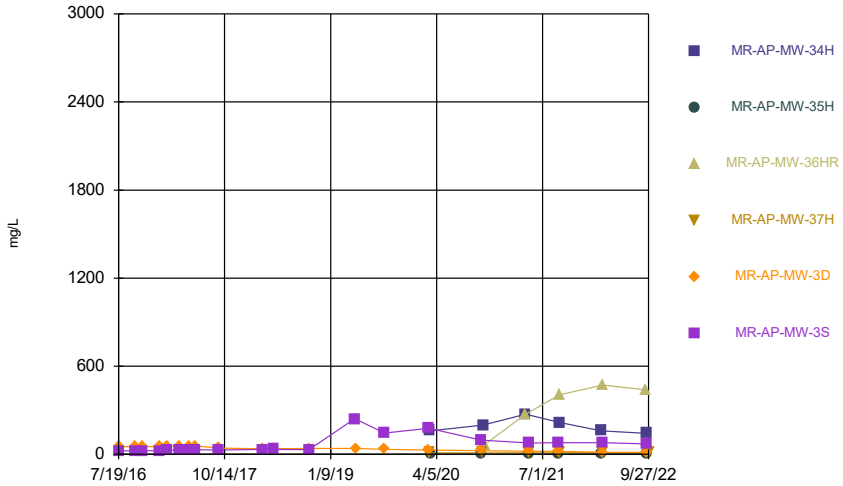
Time Series



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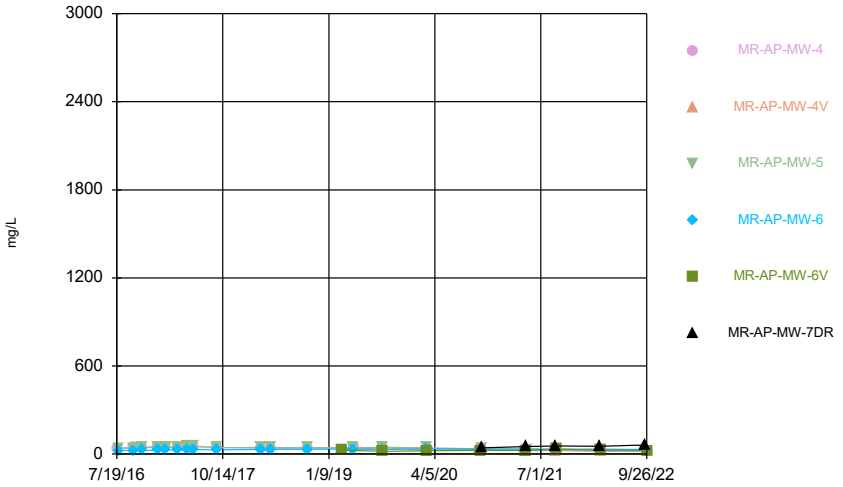

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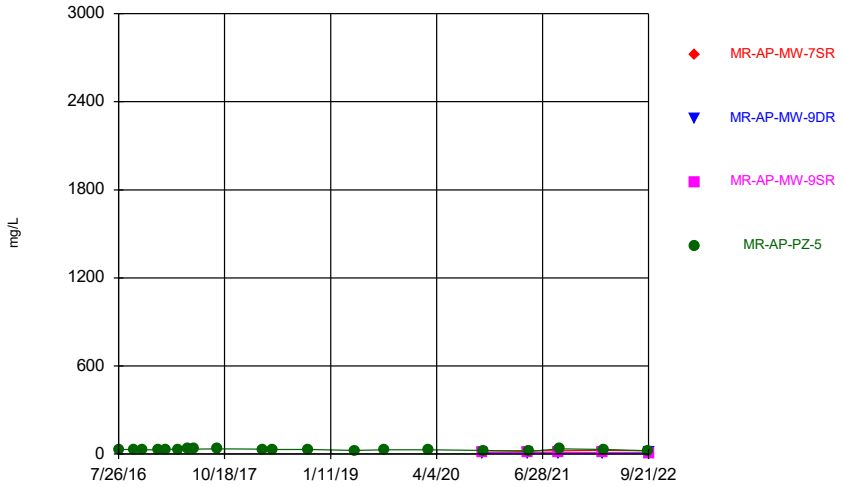
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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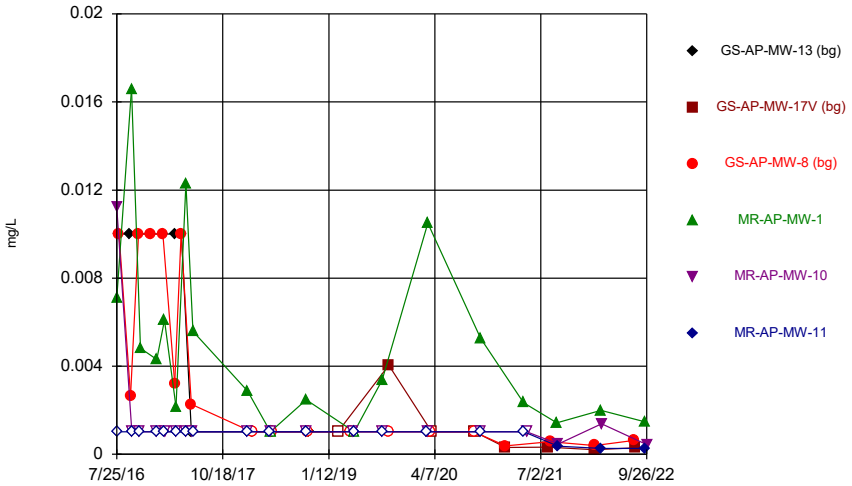
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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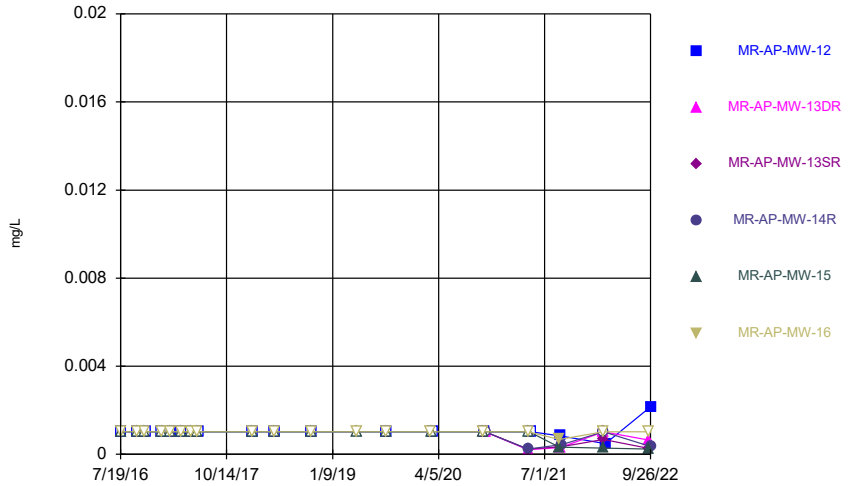
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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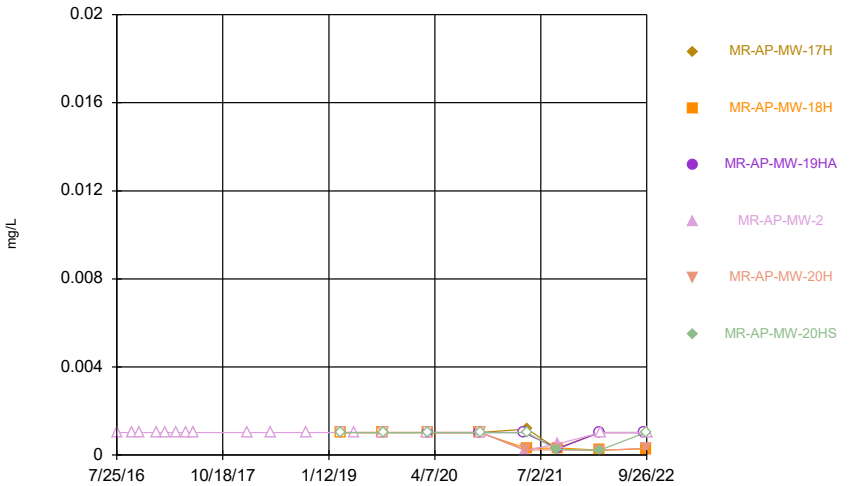
Hollow symbols indicate censored values.

Time Series



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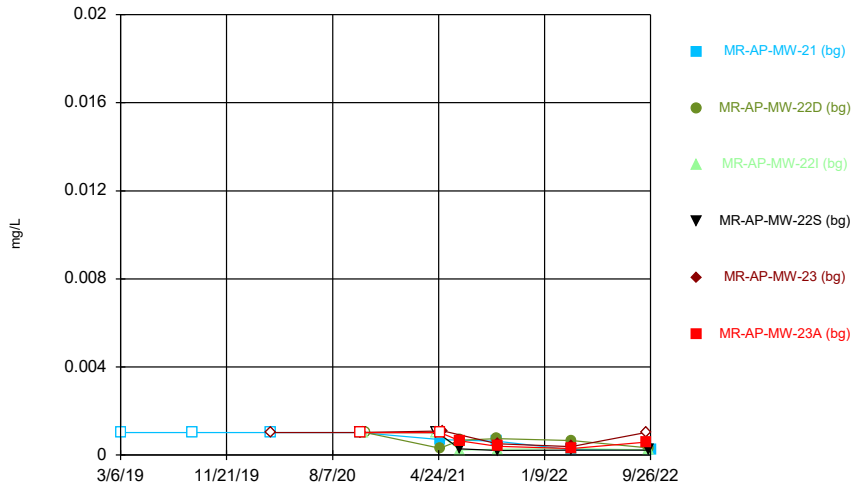
Time Series



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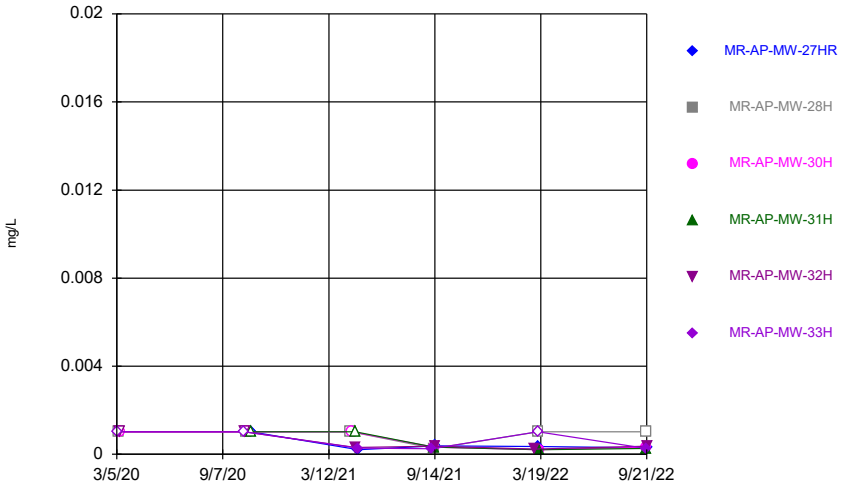
Time Series



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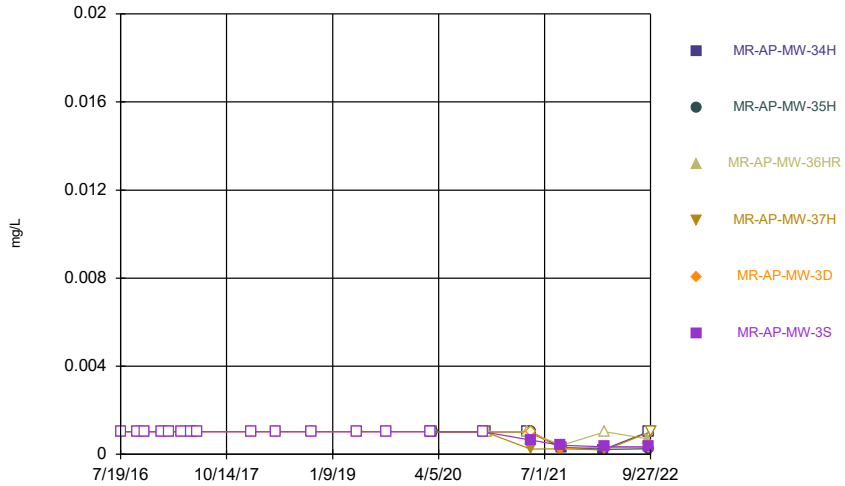

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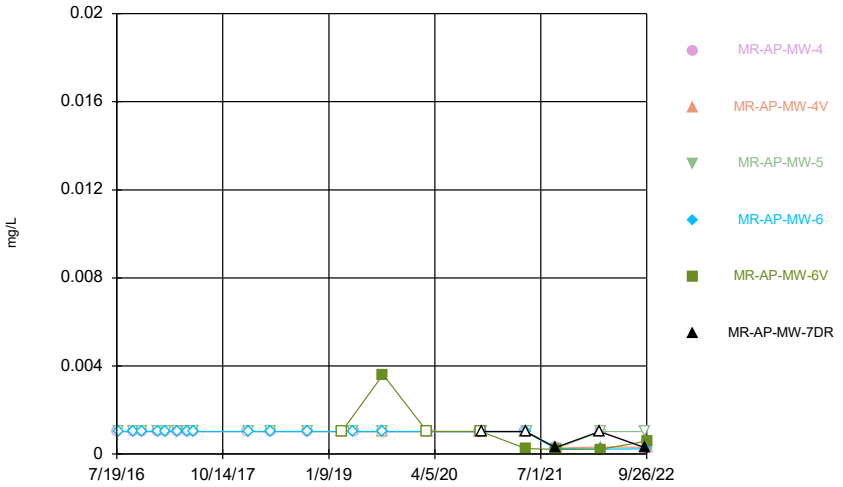
Time Series



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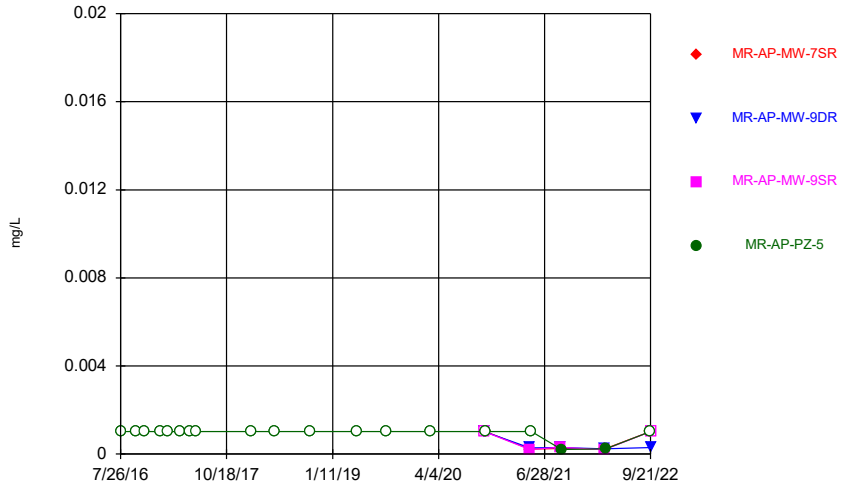
Hollow symbols indicate censored values.

Time Series



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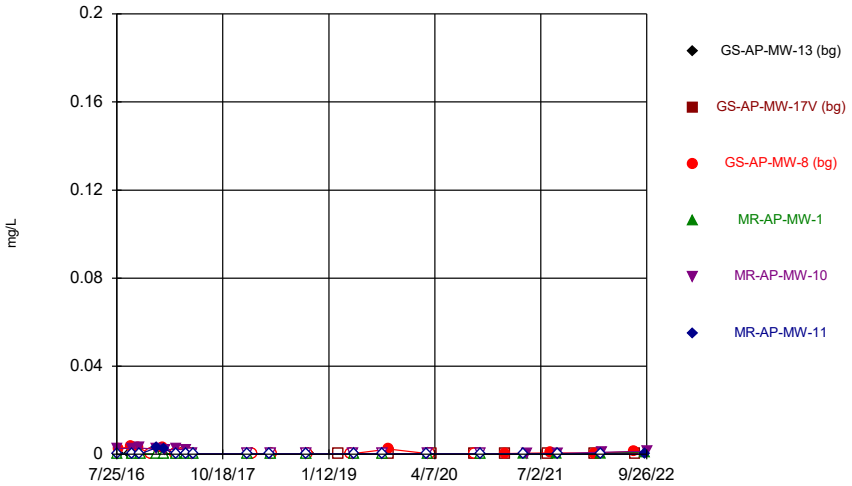
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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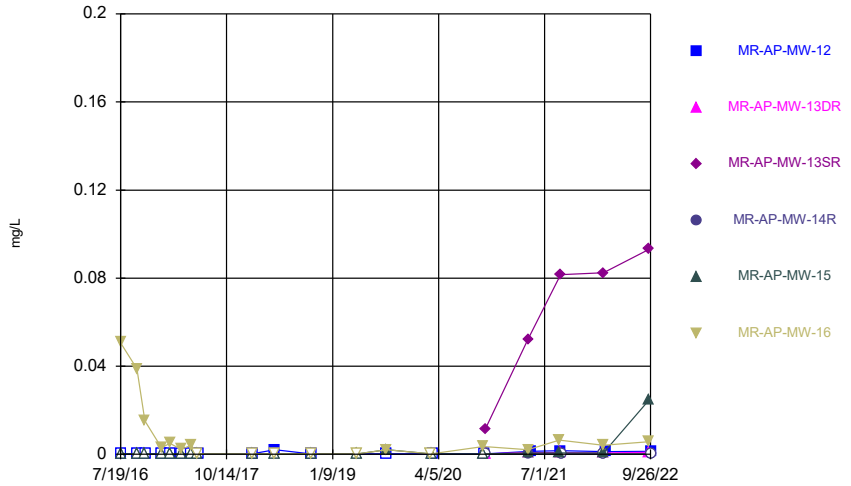
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
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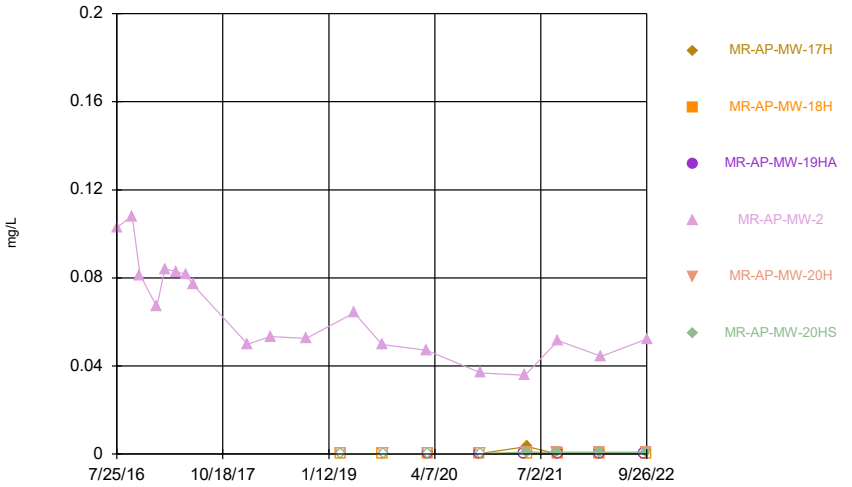
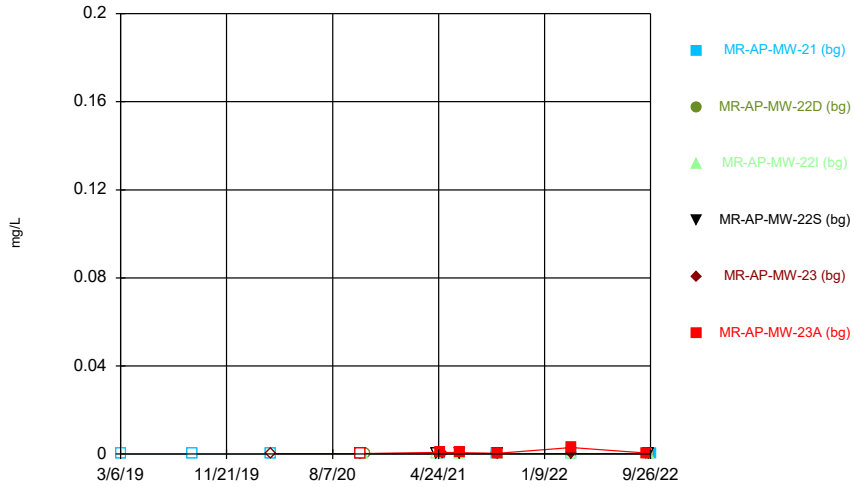
Time Series



Constituent: Cobalt Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

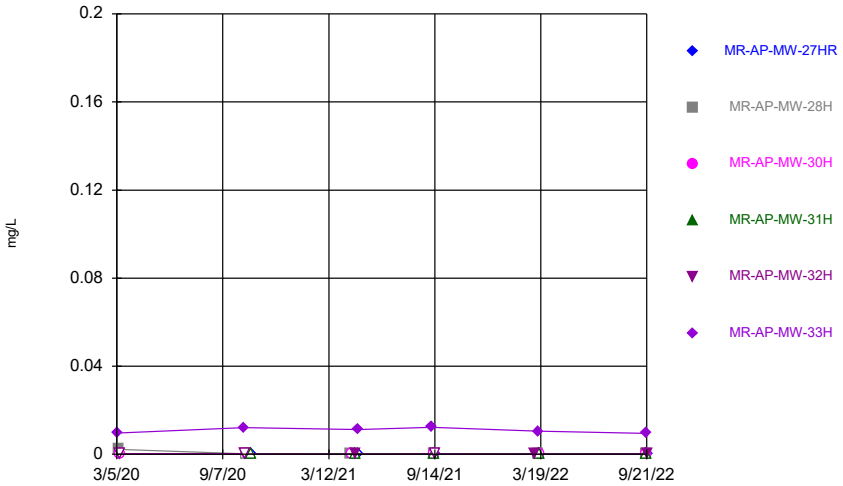
Time Series



Constituent: Cobalt Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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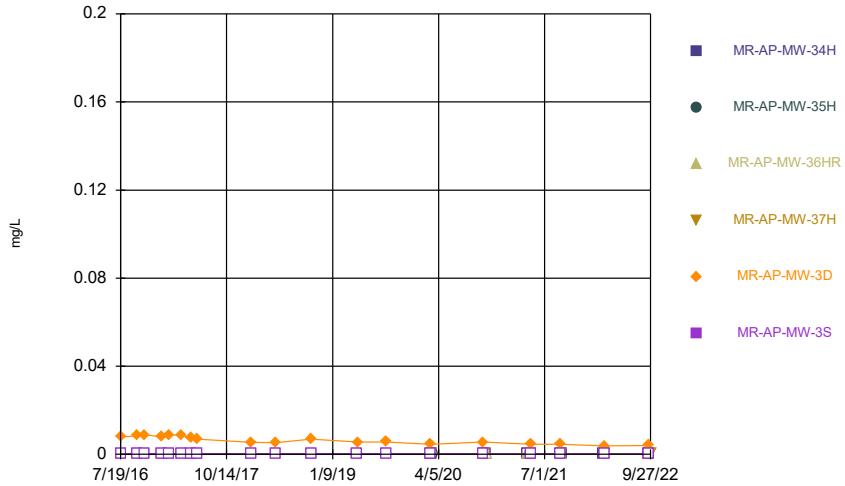
Hollow symbols indicate censored values.

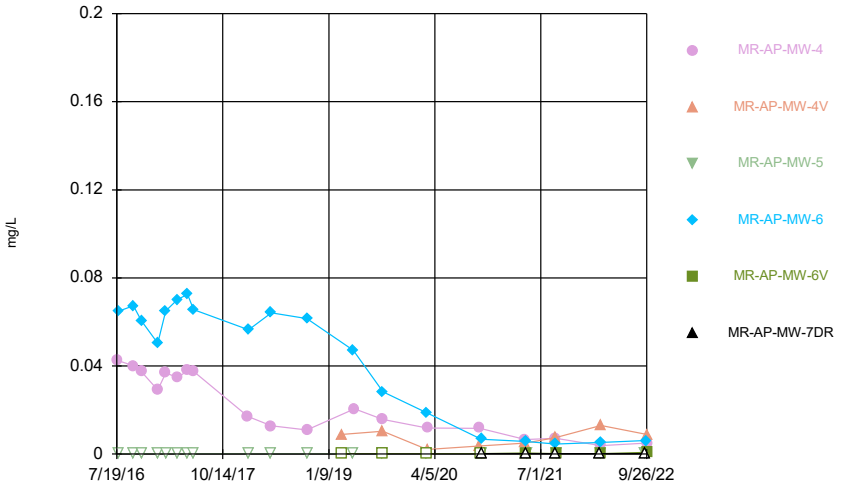
Time Series



Constituent: Cobalt Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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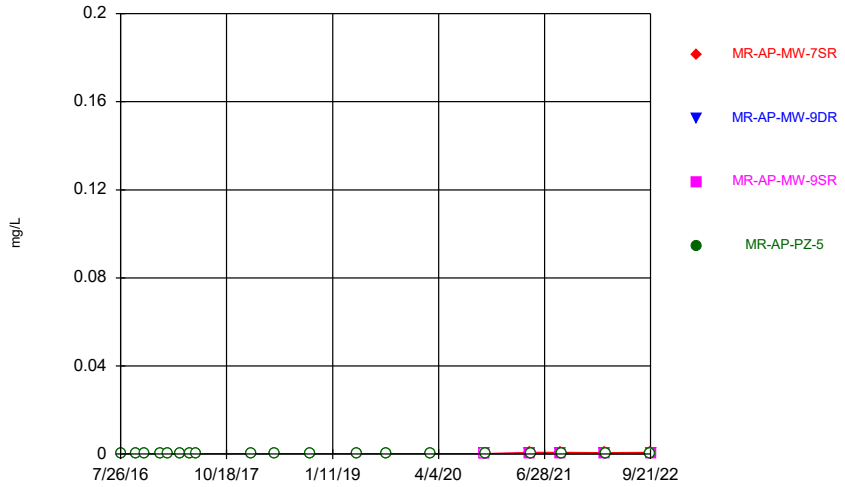
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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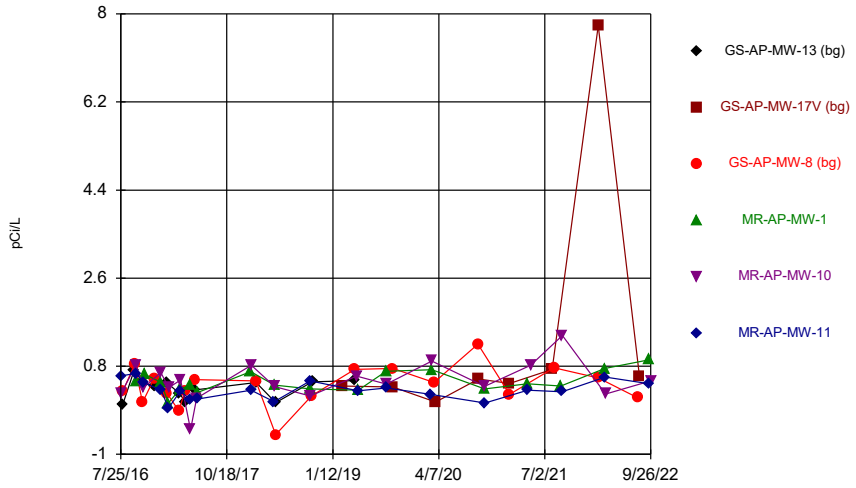
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

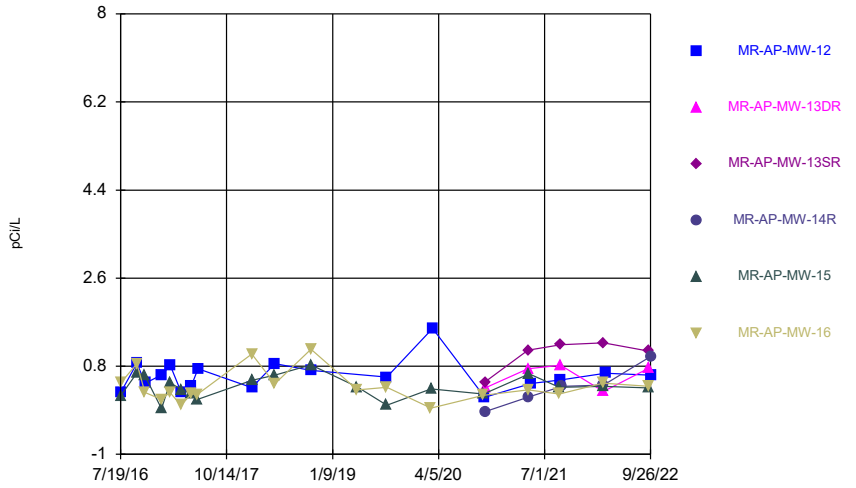


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 12:33 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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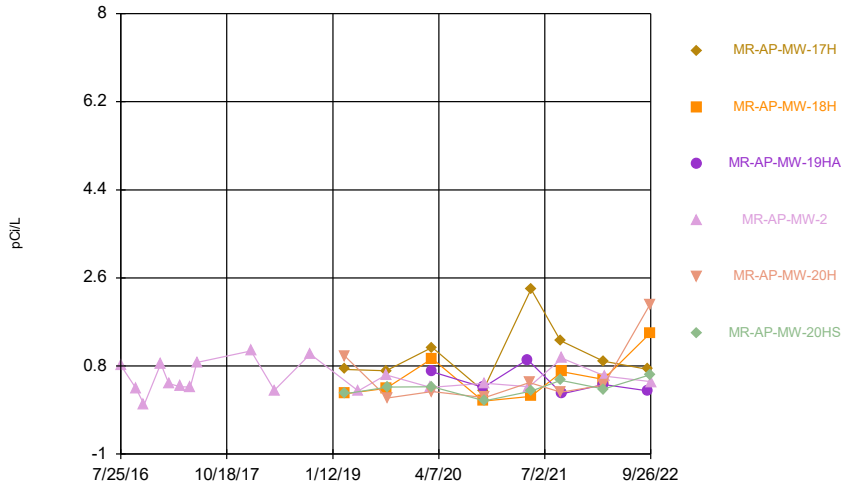
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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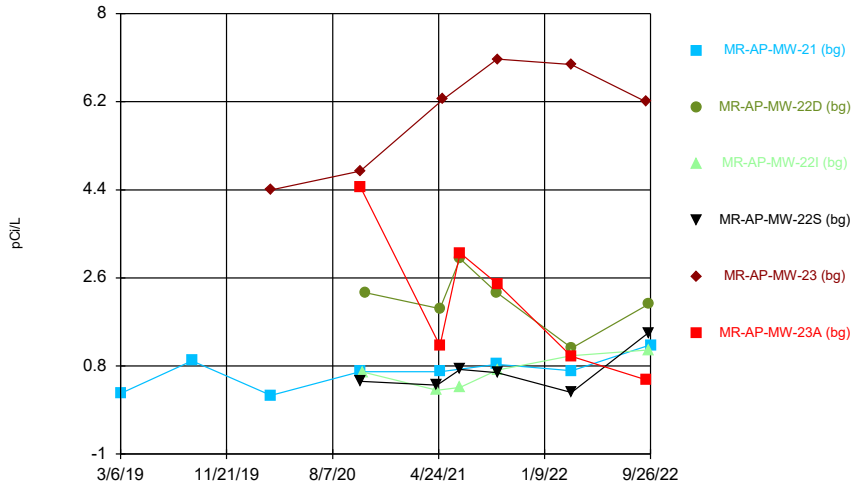
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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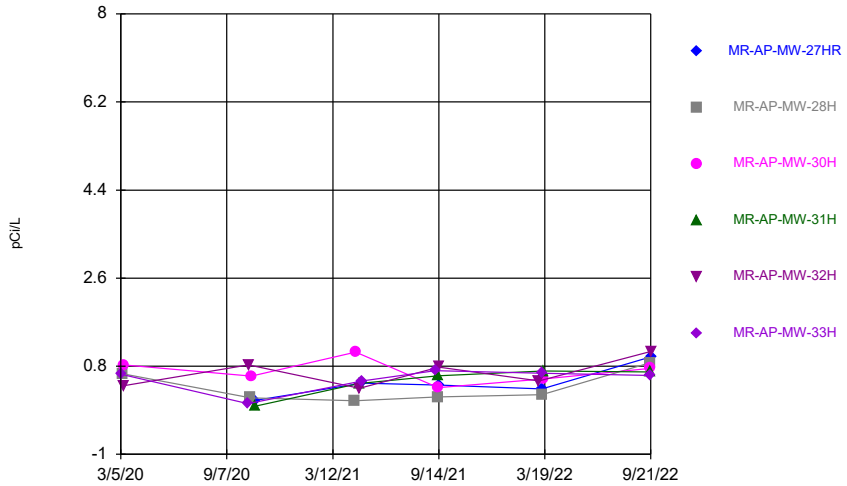
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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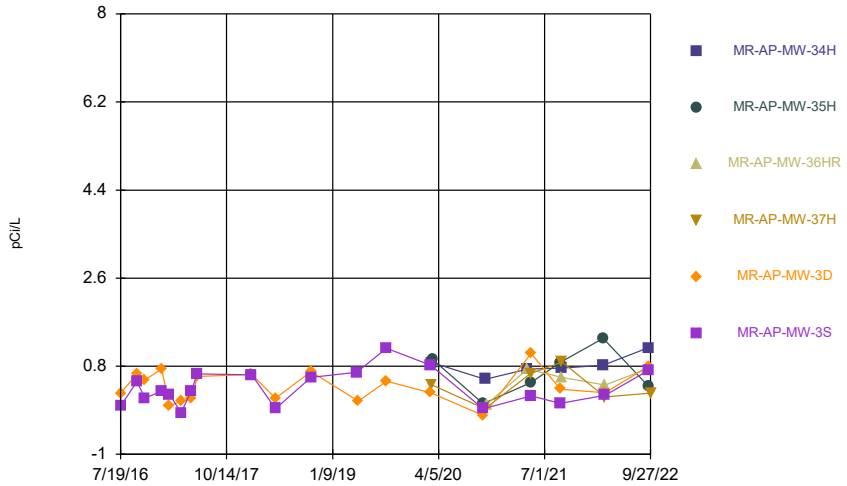
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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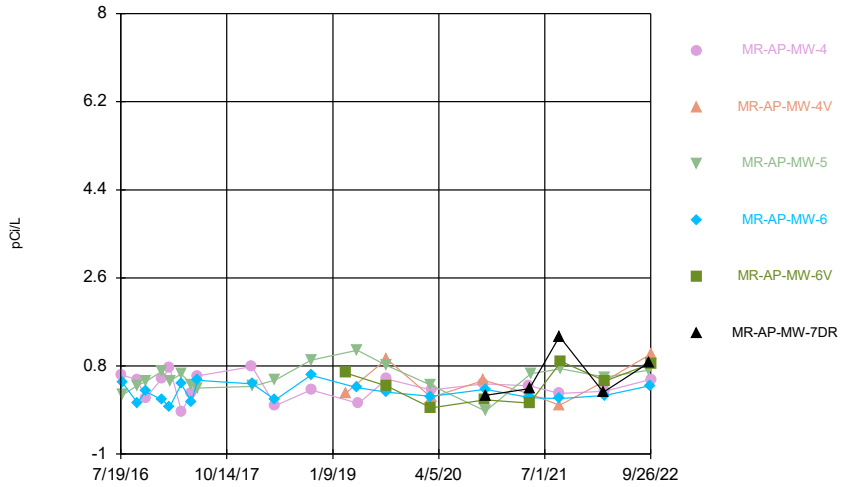
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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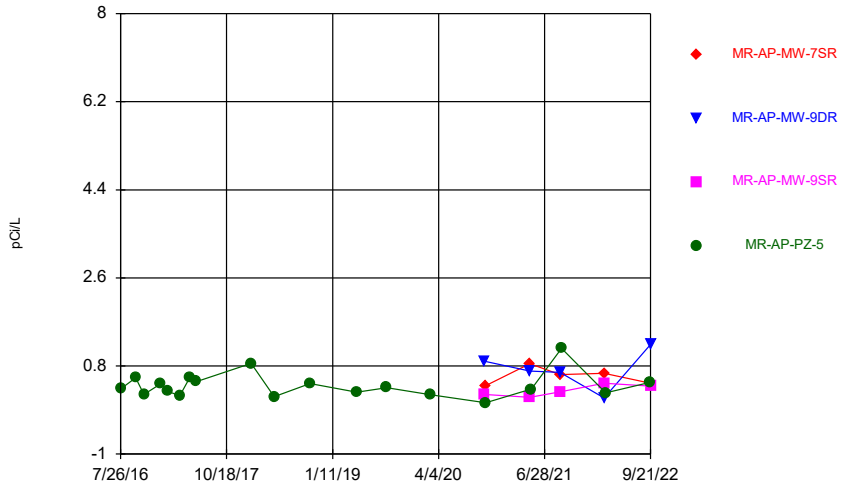
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

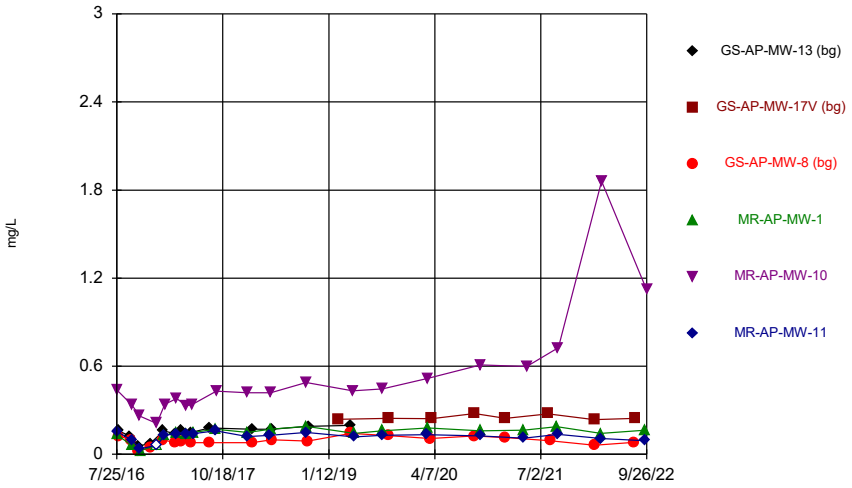


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 12:33 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

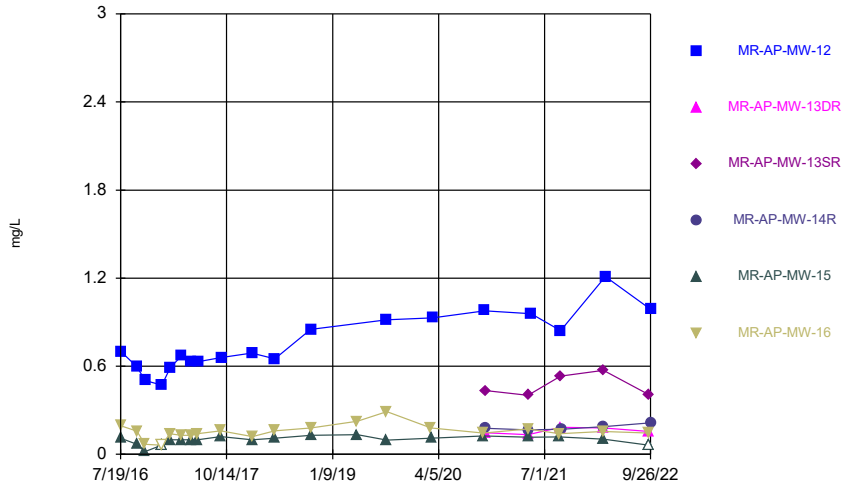
Time Series



Constituent: Fluoride, total Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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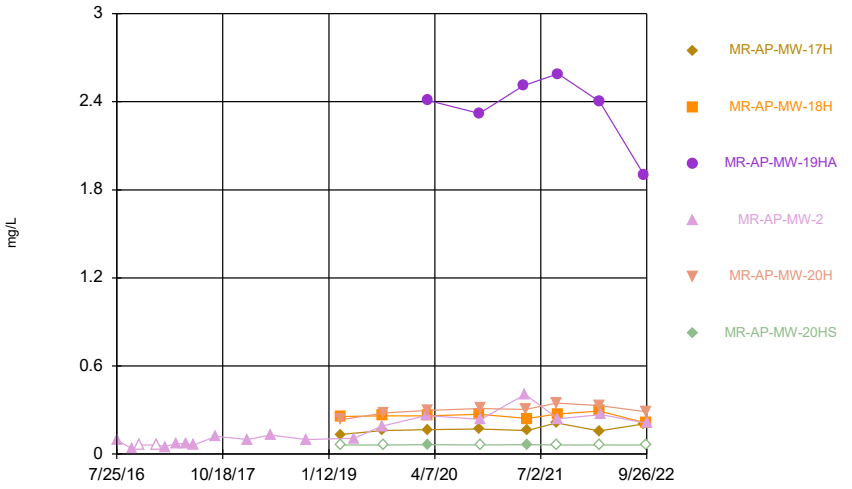
Hollow symbols indicate censored values.

Time Series



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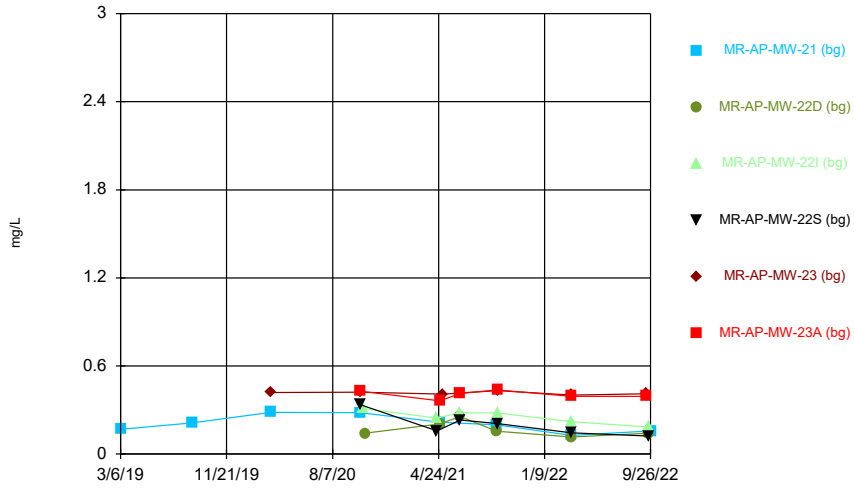
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



Constituent: Fluoride, total Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

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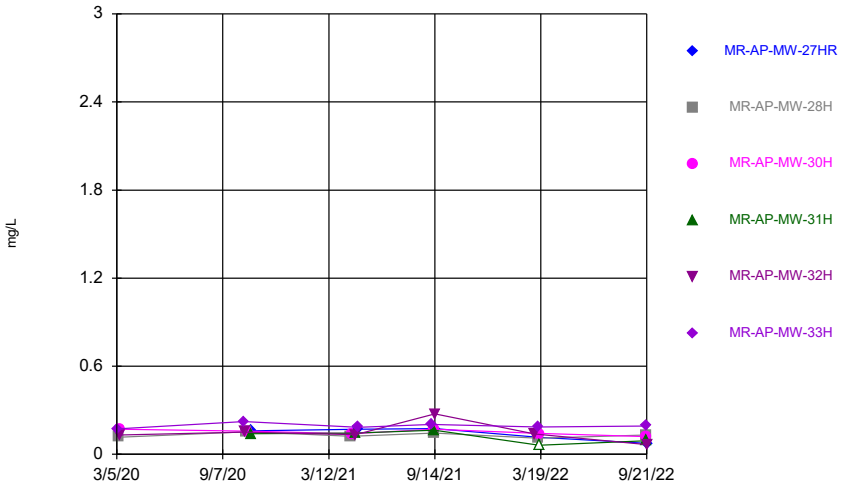
Hollow symbols indicate censored values.

Time Series



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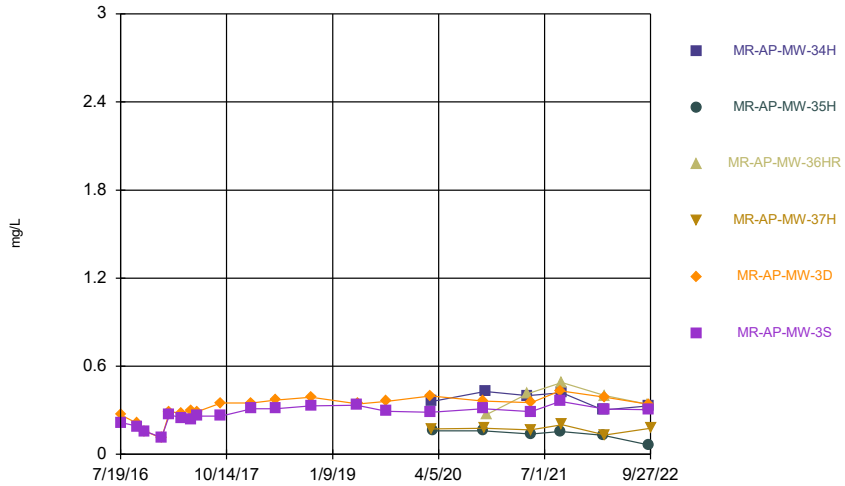
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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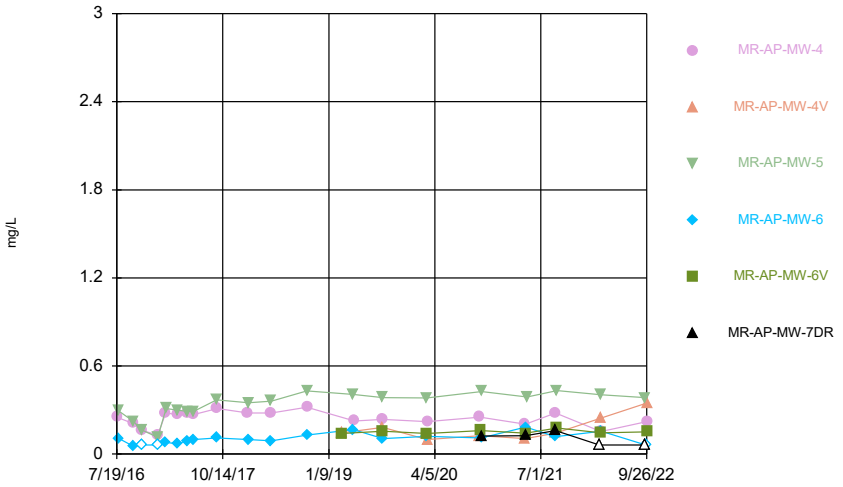
Time Series



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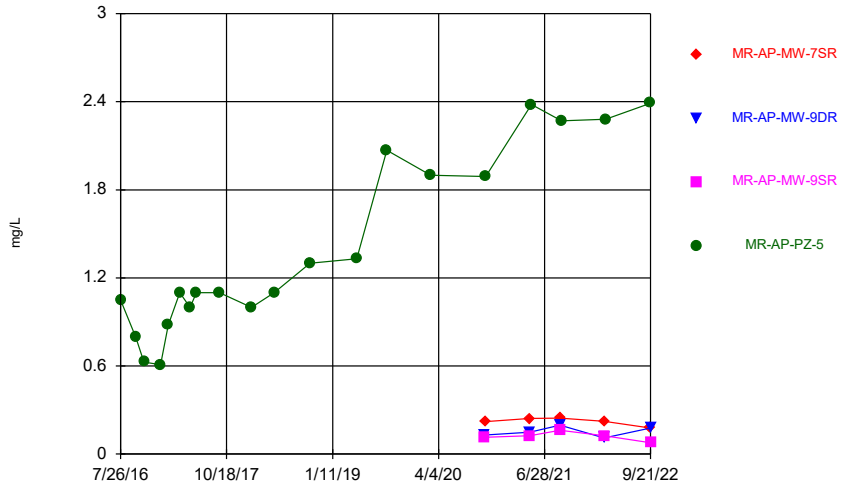
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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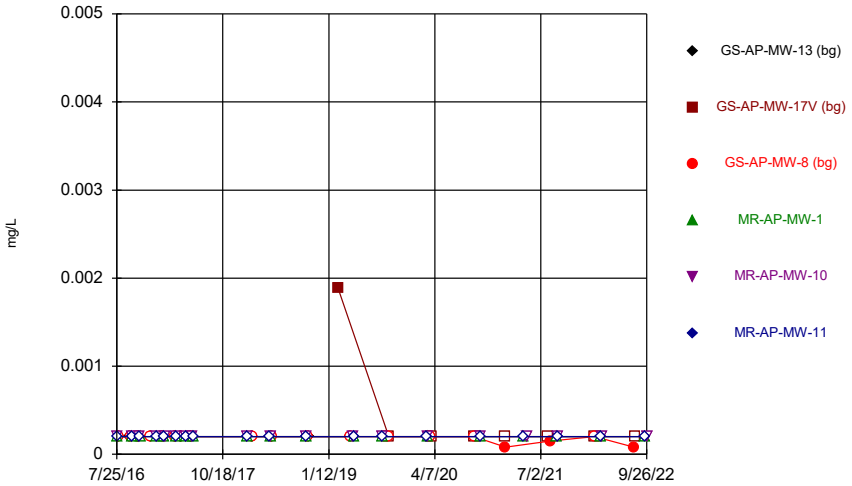
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

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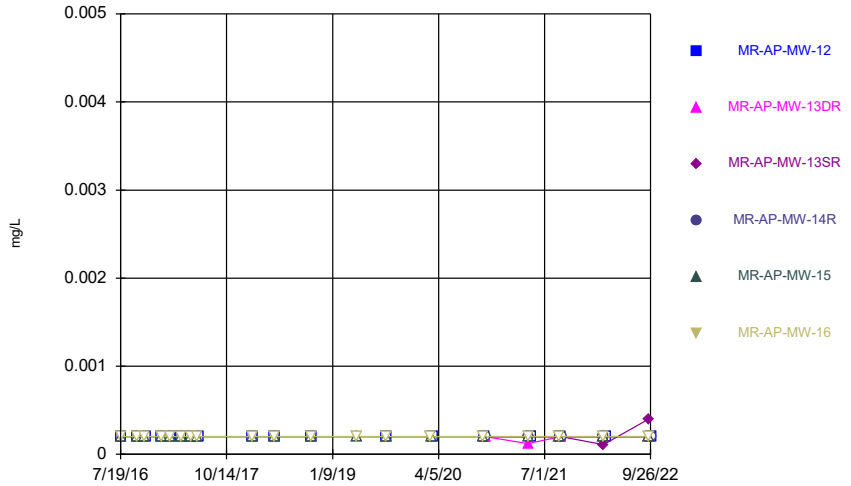
Hollow symbols indicate censored values.

Time Series



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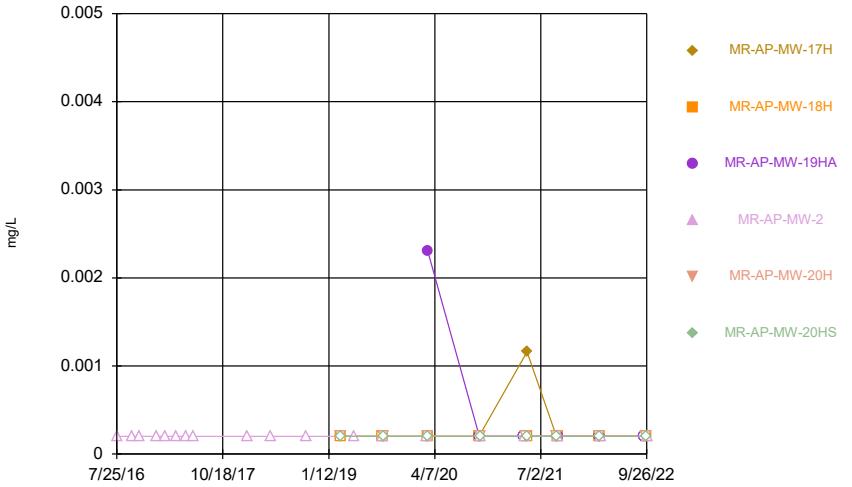
Hollow symbols indicate censored values.

Time Series



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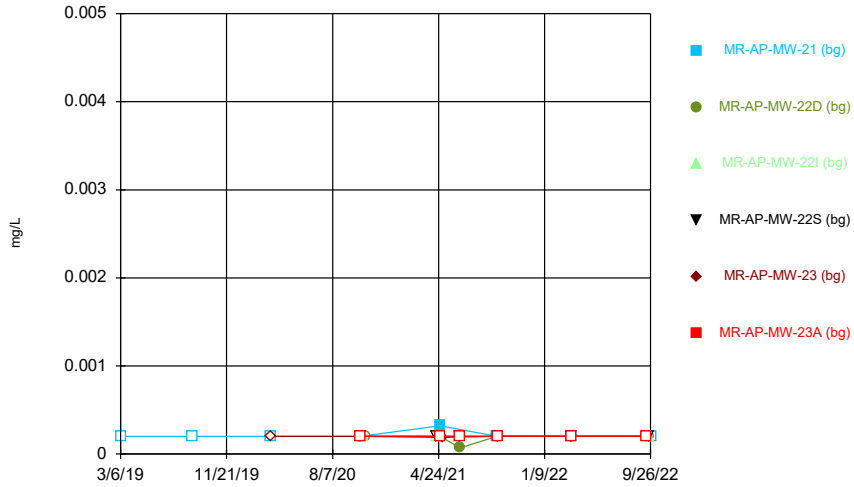
Hollow symbols indicate censored values.

Time Series



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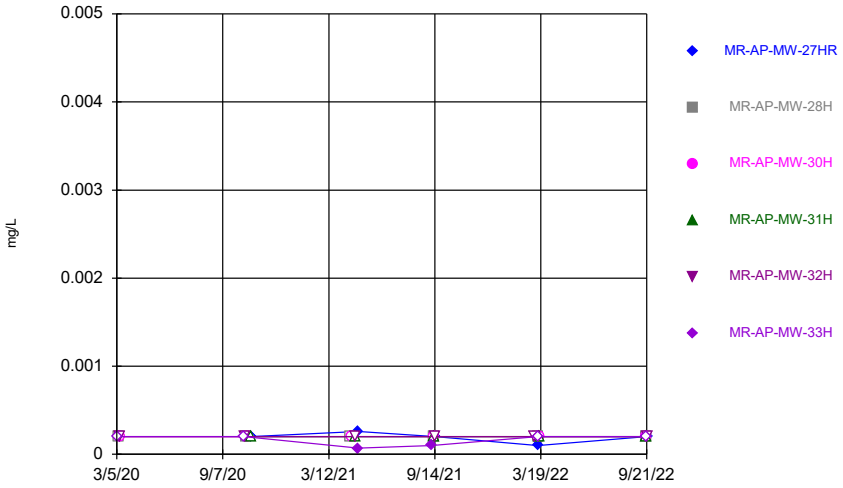

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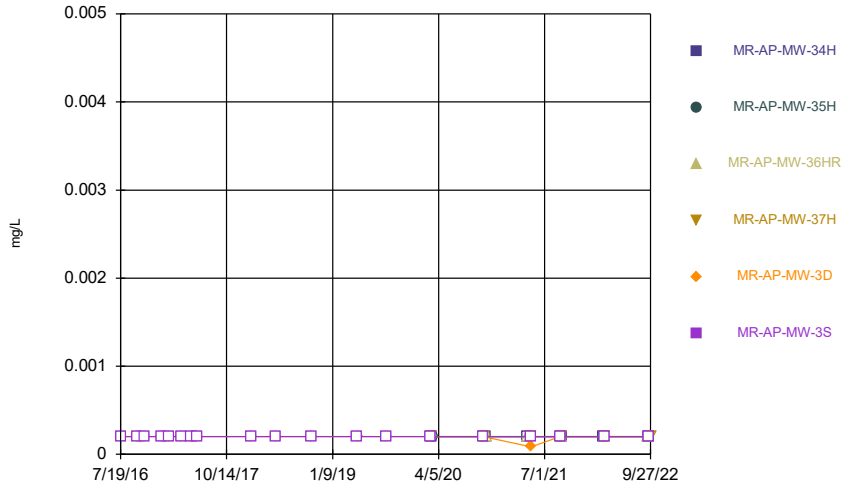

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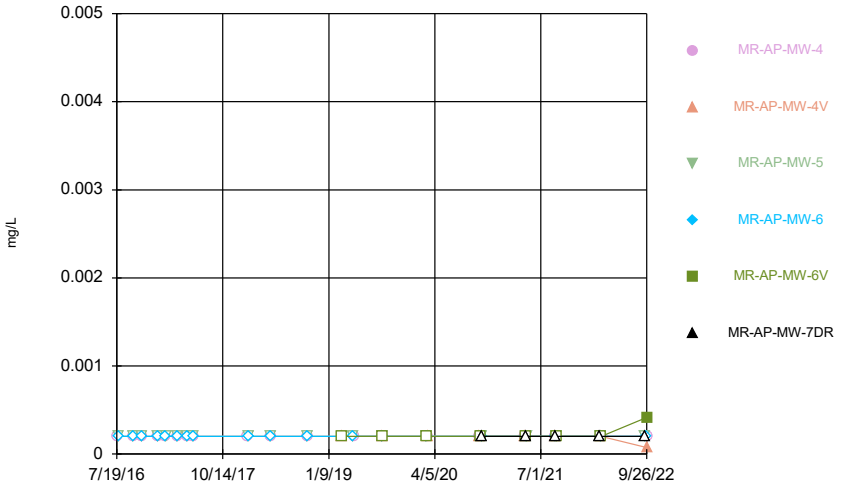

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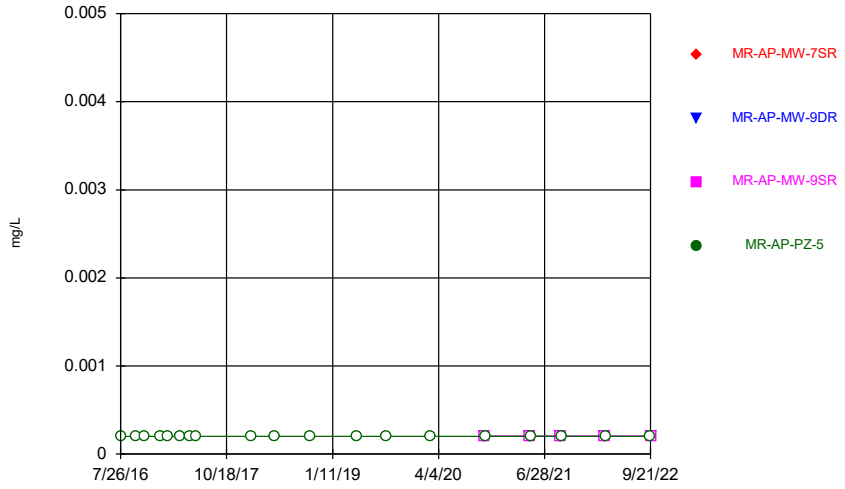

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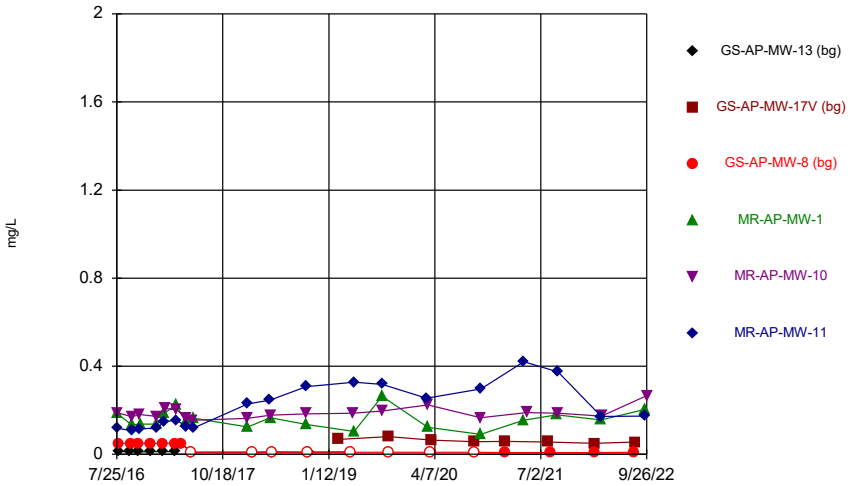
Hollow symbols indicate censored values.

Time Series



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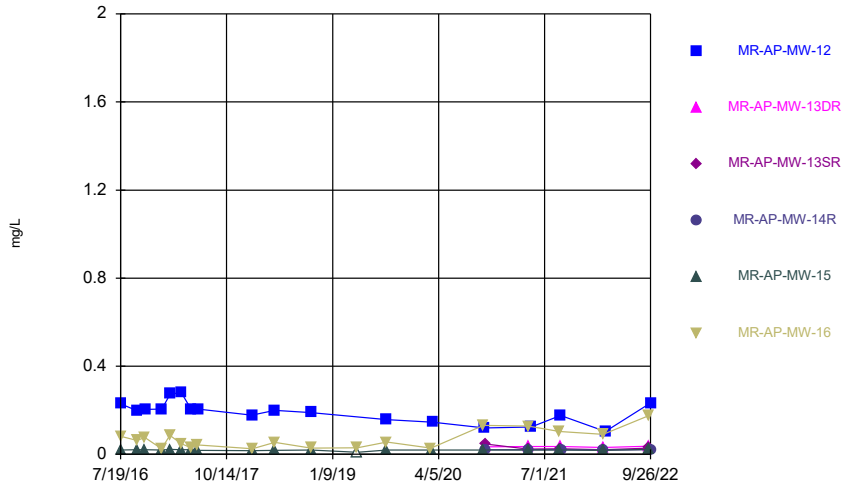
Hollow symbols indicate censored values.

Time Series



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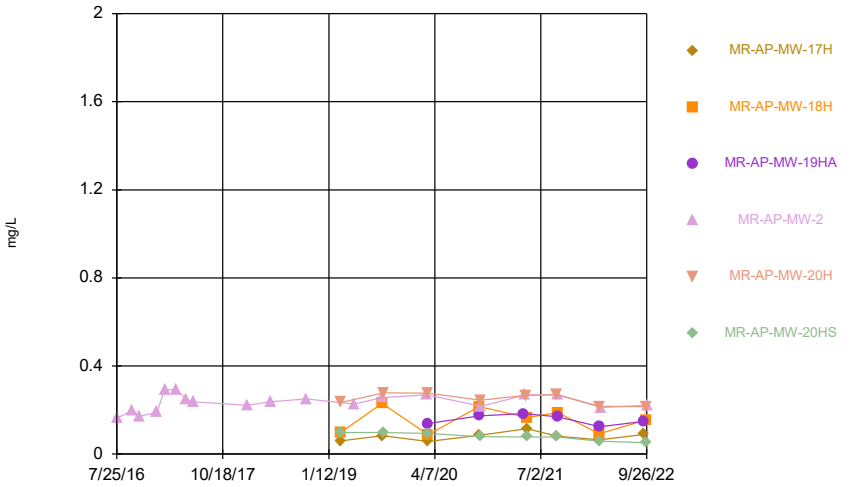
Time Series



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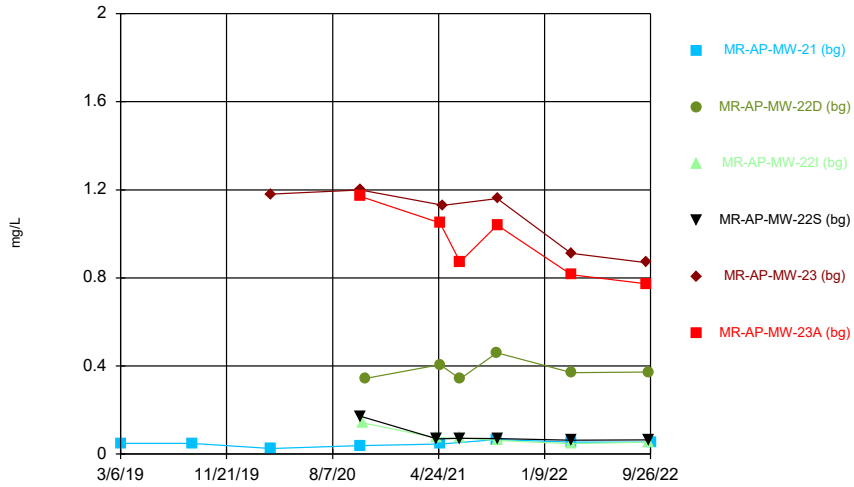
Time Series



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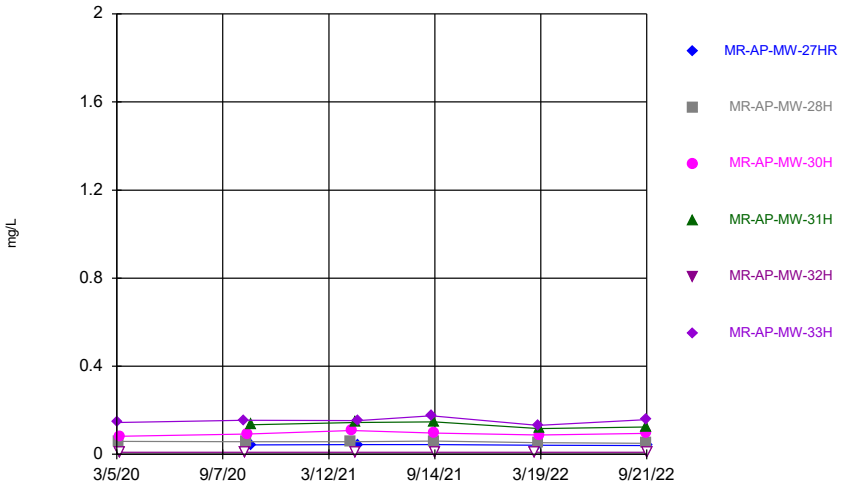

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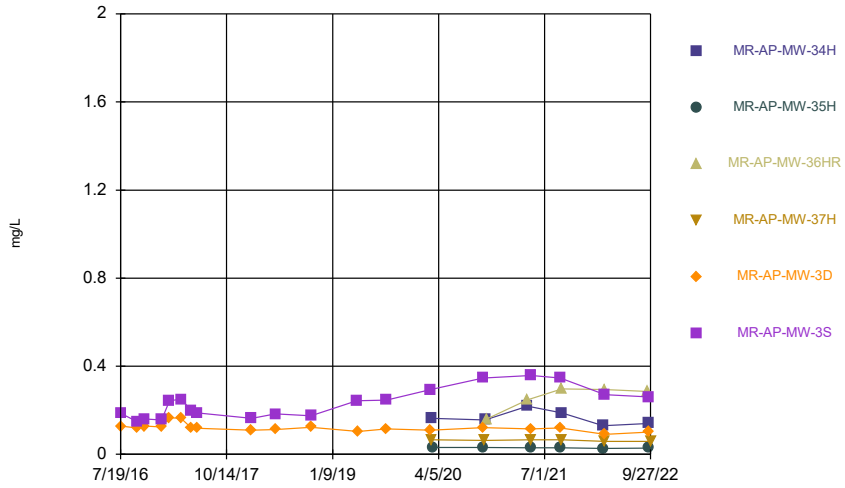
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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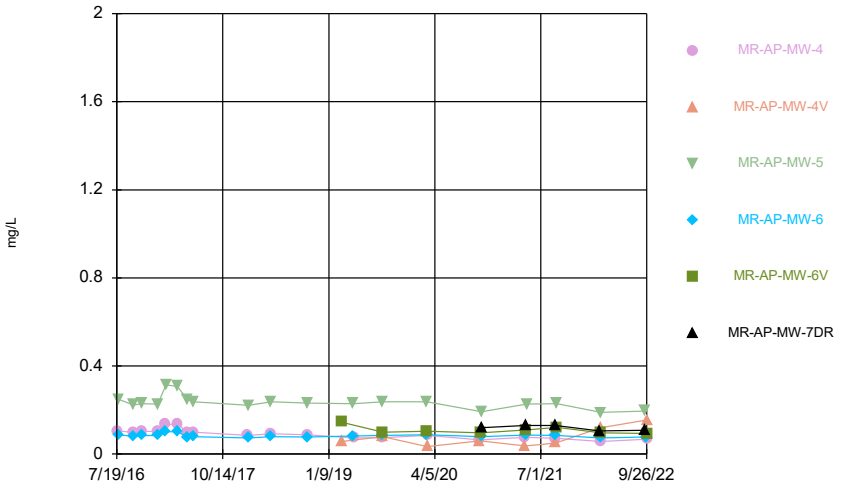
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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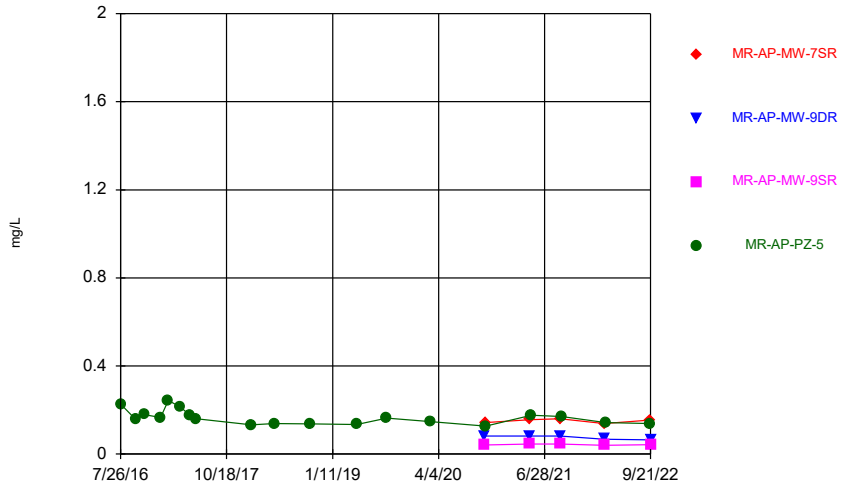
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



Constituent: Lithium Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
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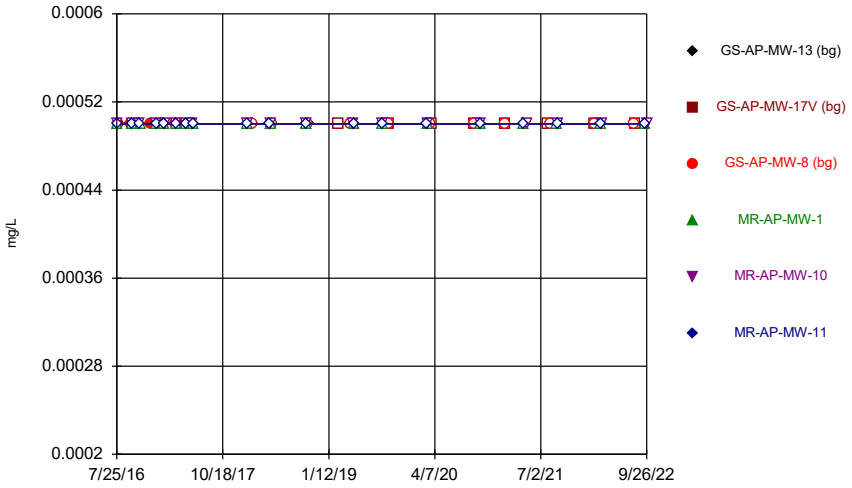
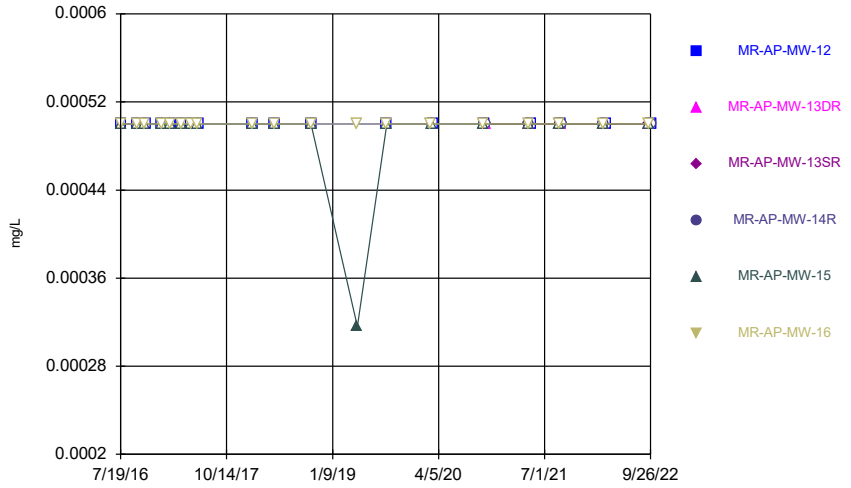
Time Series



Constituent: Mercury Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

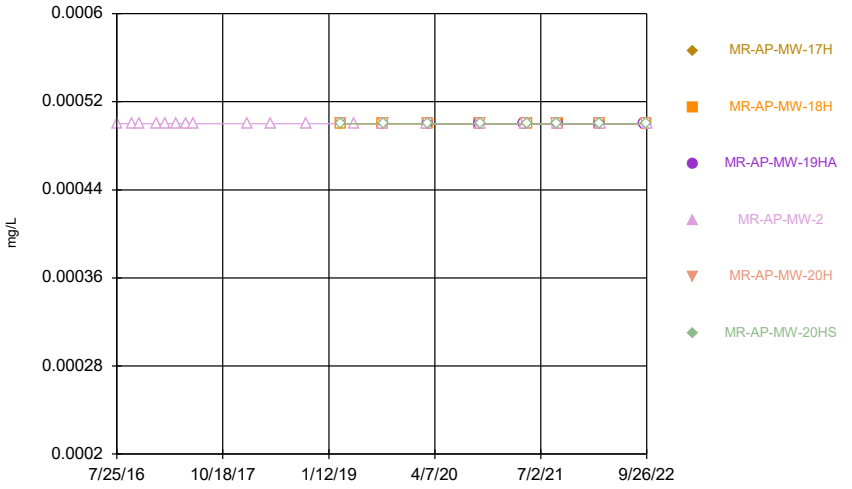
Time Series



Constituent: Mercury Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

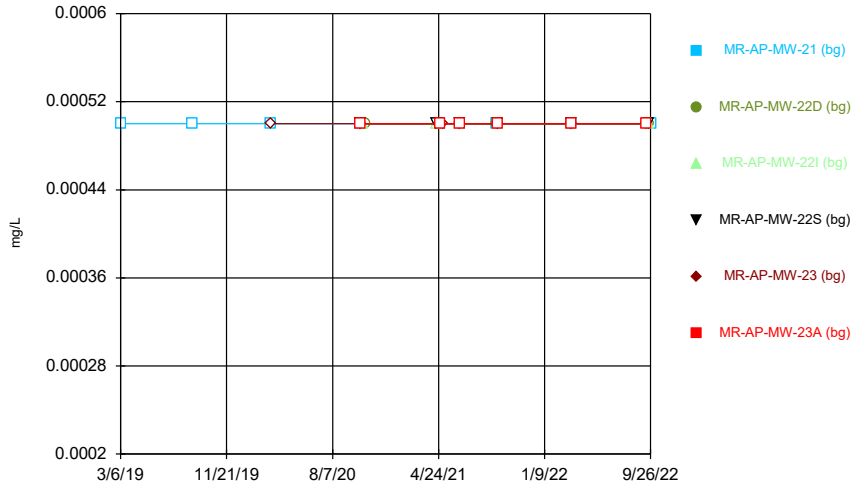
Time Series



Constituent: Mercury Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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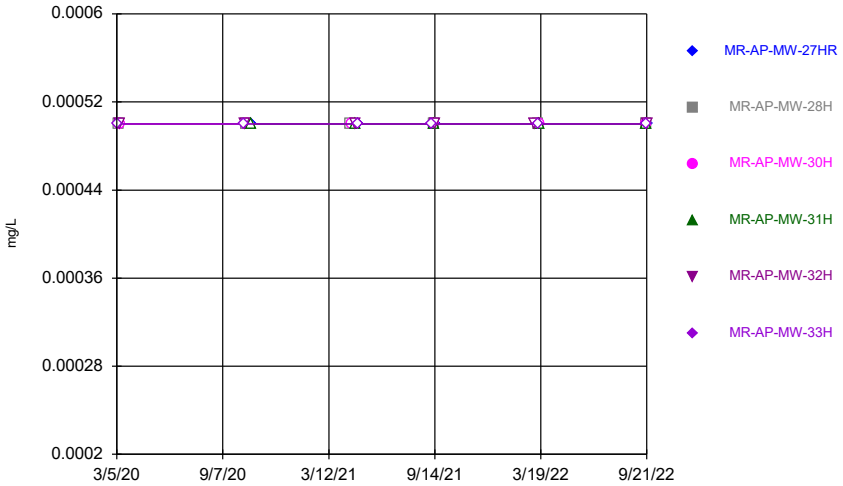
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

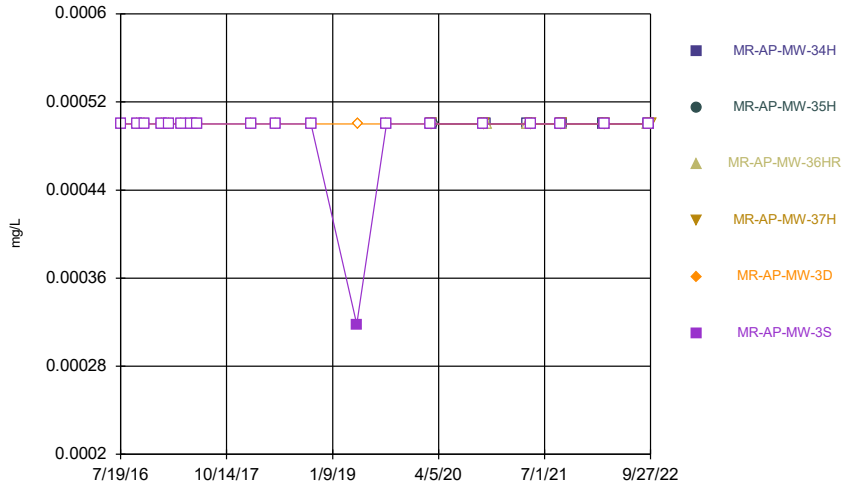
Time Series



Constituent: Mercury Analysis Run 11/15/2022 12:33 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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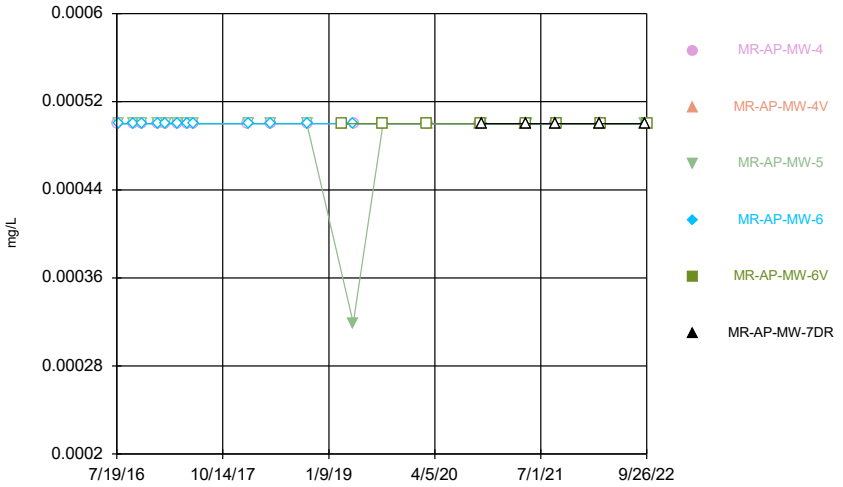
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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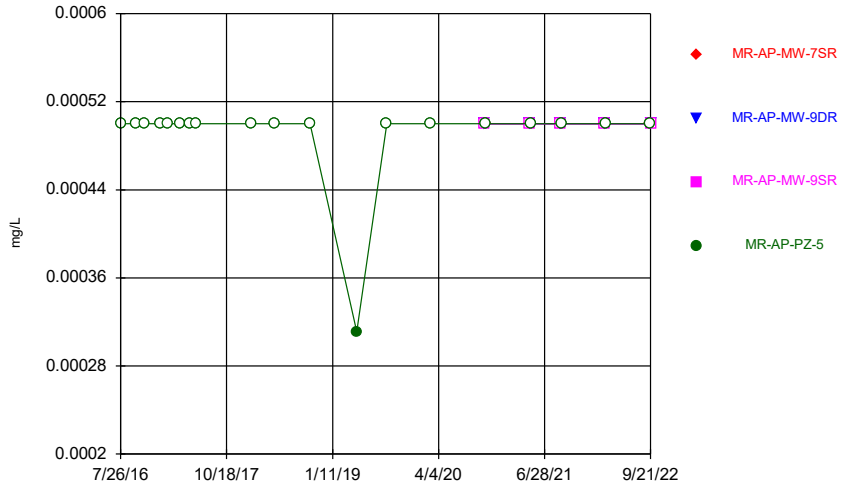
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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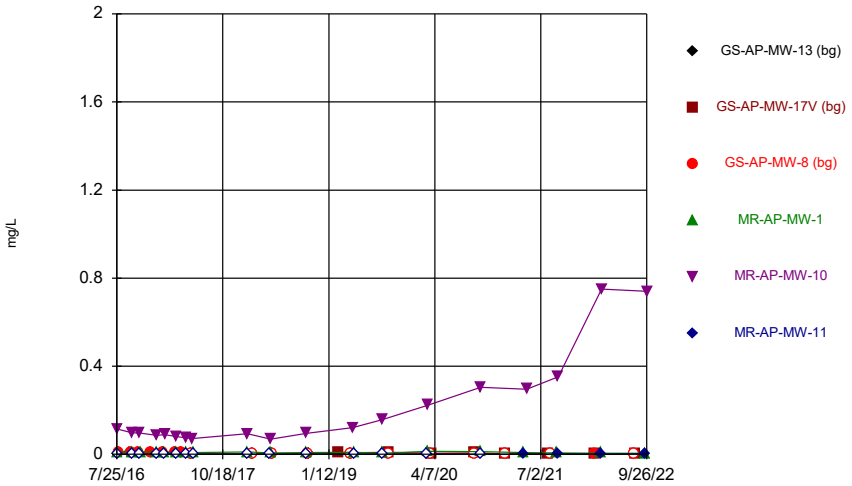
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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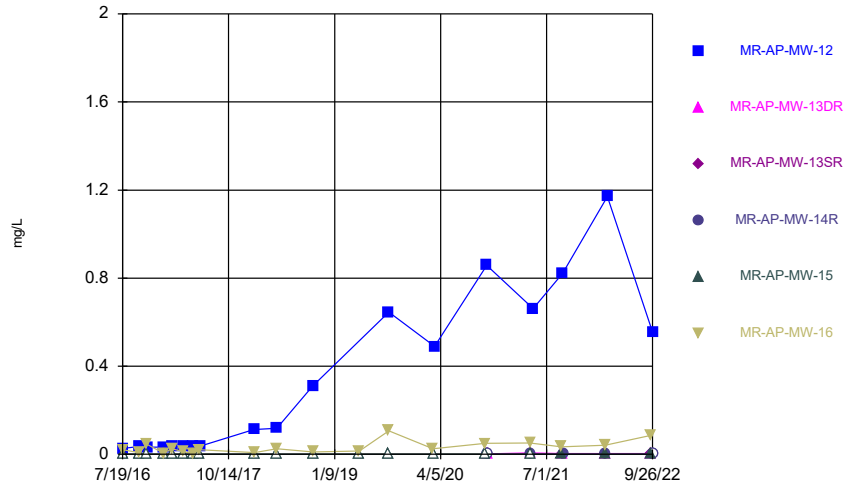
Hollow symbols indicate censored values.

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
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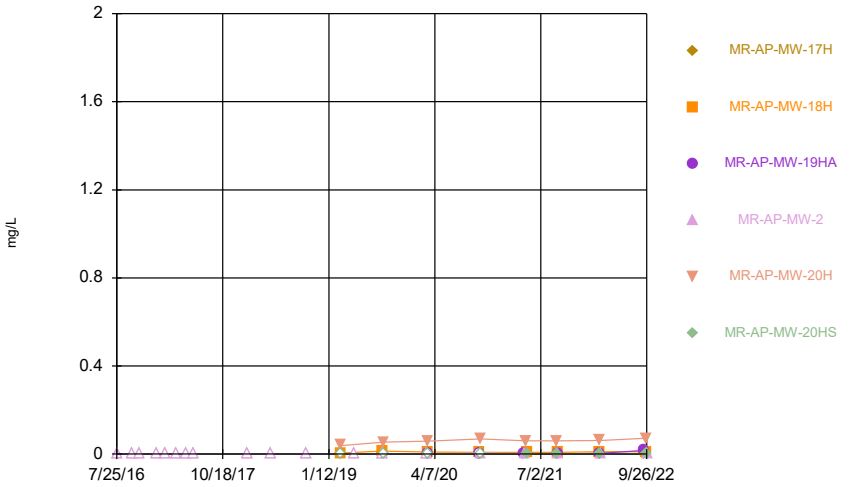
Time Series



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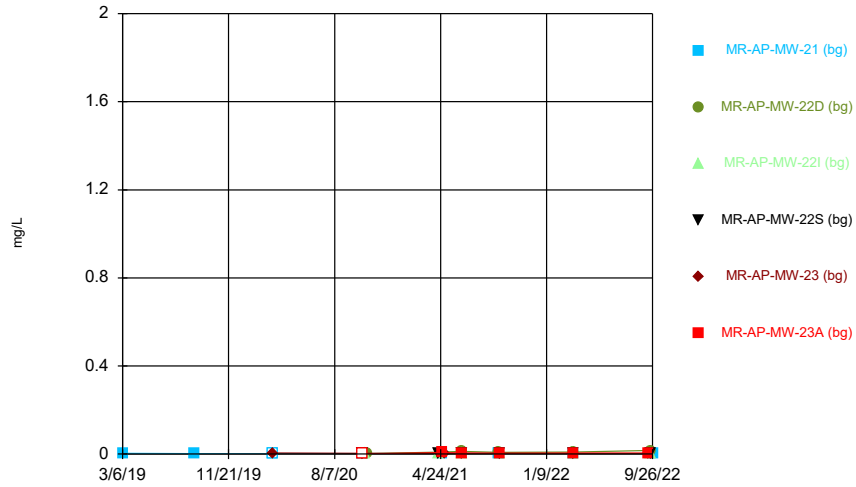
Time Series



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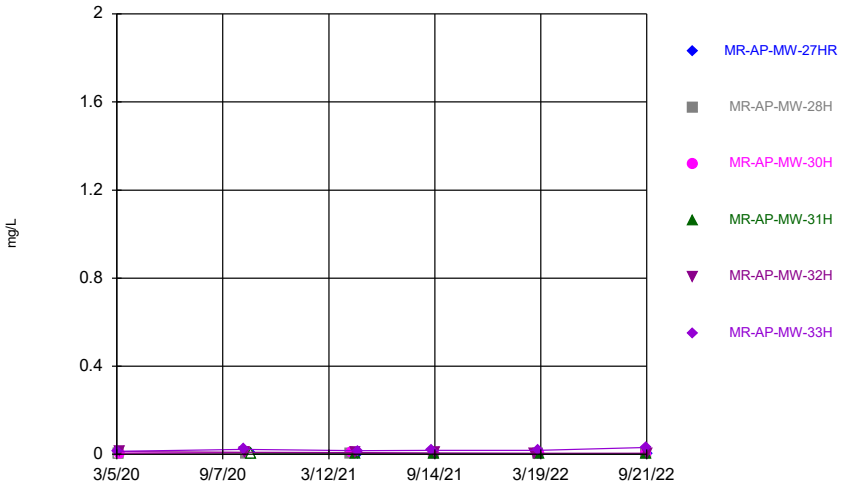
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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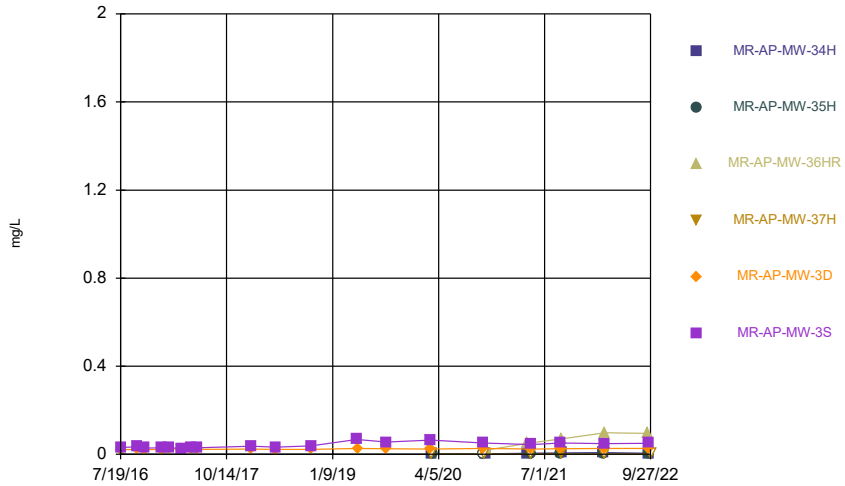
Hollow symbols indicate censored values.

Time Series



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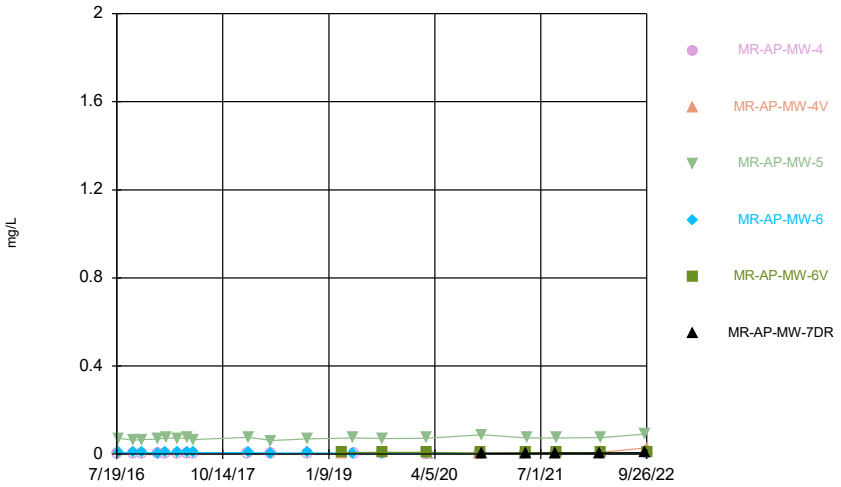
Hollow symbols indicate censored values.

Time Series



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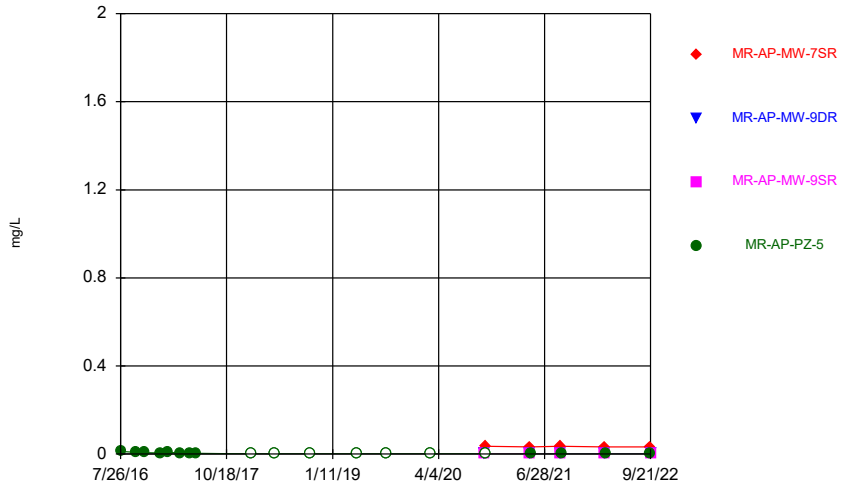
Hollow symbols indicate censored values.

Time Series



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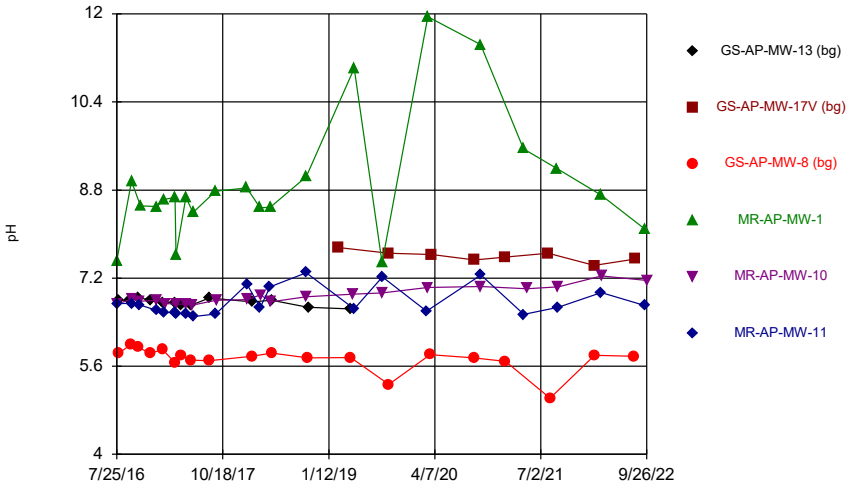
Plant Miller Client: Southern Company Data: Miller Ash Pond

Time Series



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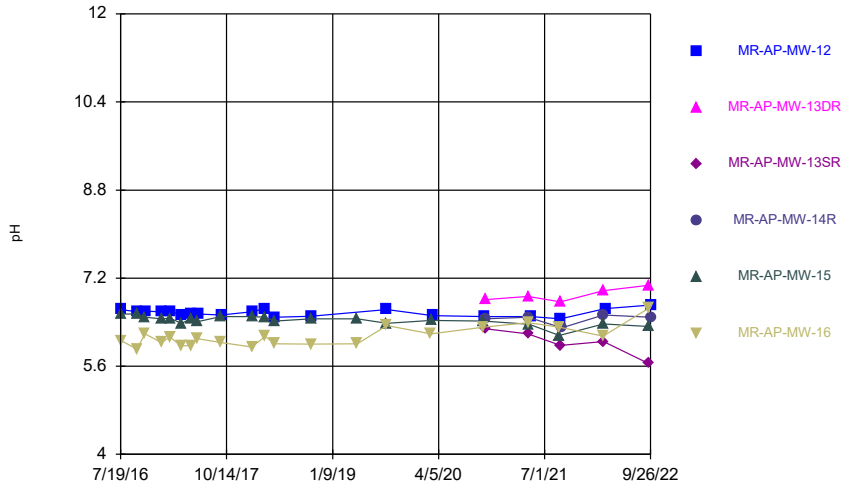
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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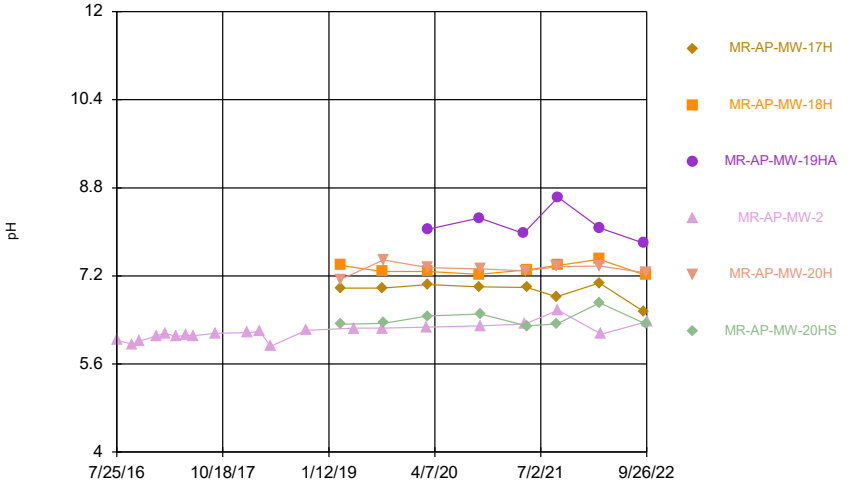
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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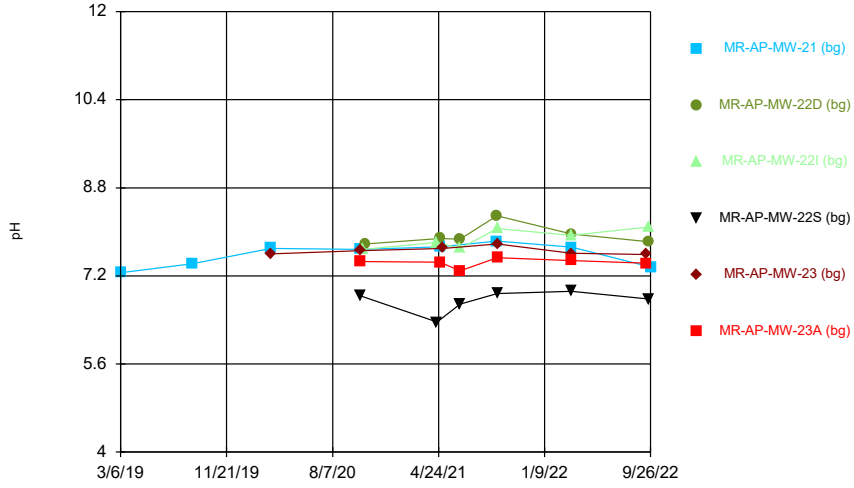
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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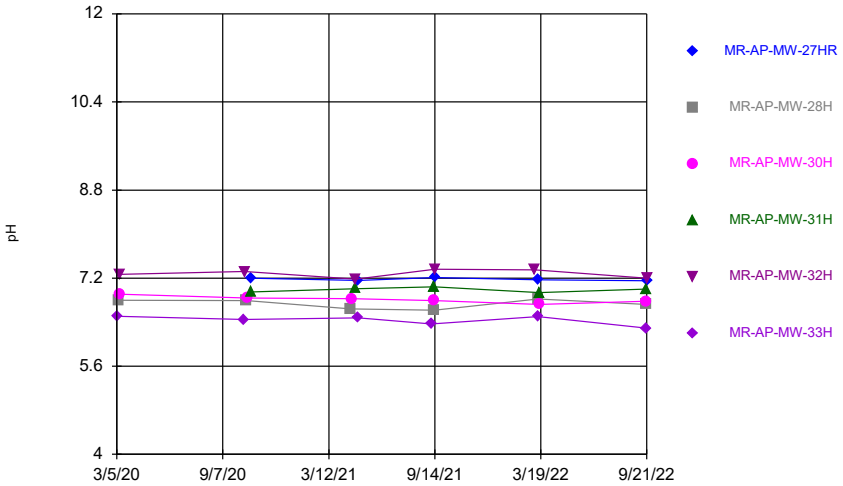
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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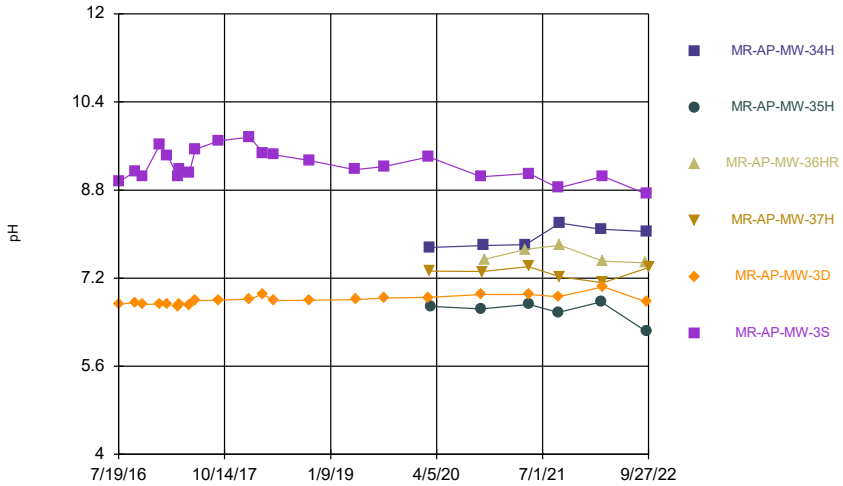
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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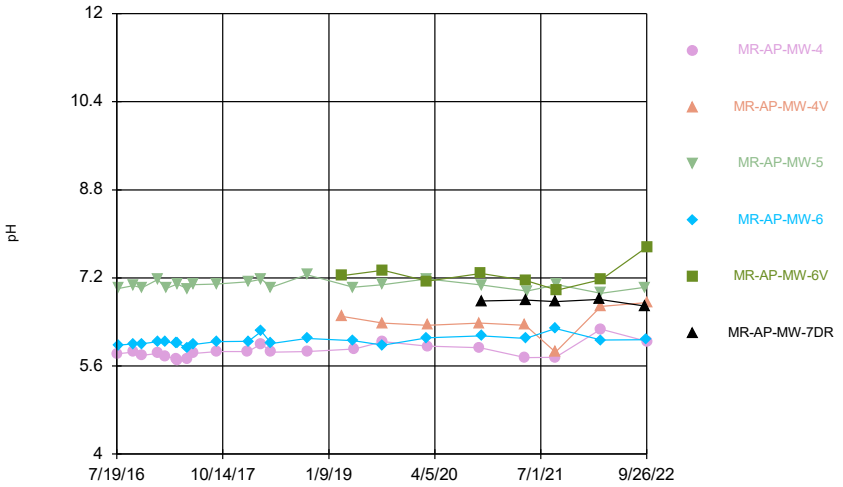
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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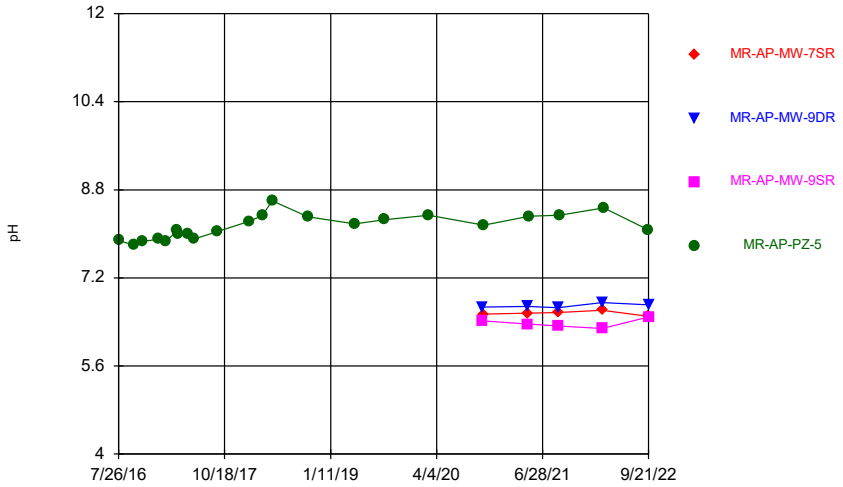

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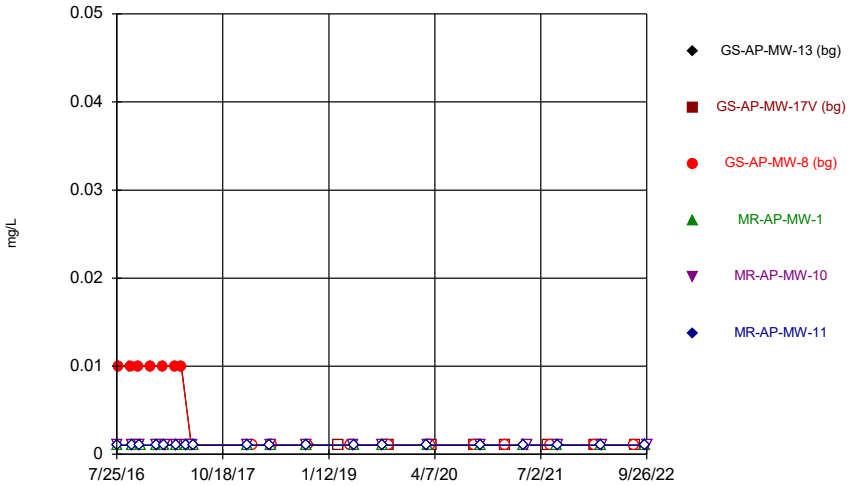
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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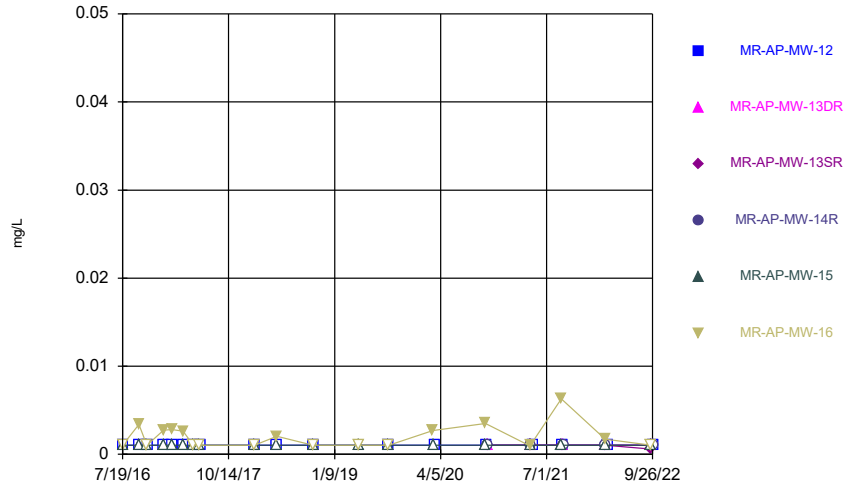

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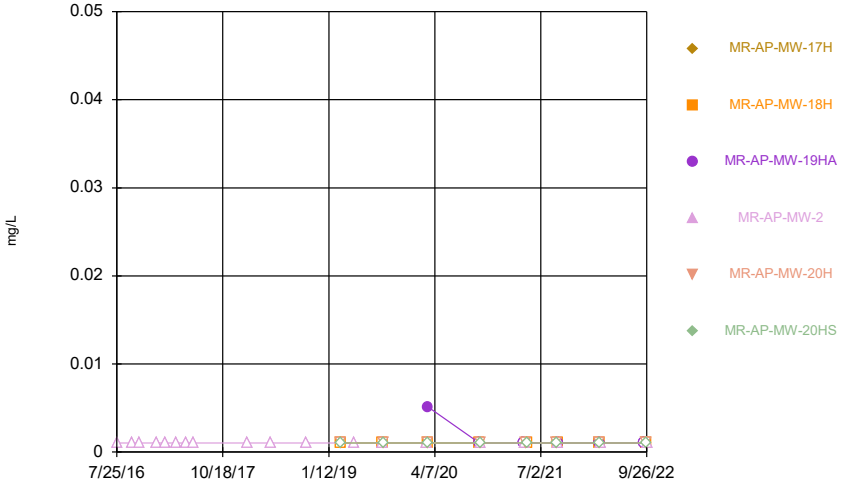

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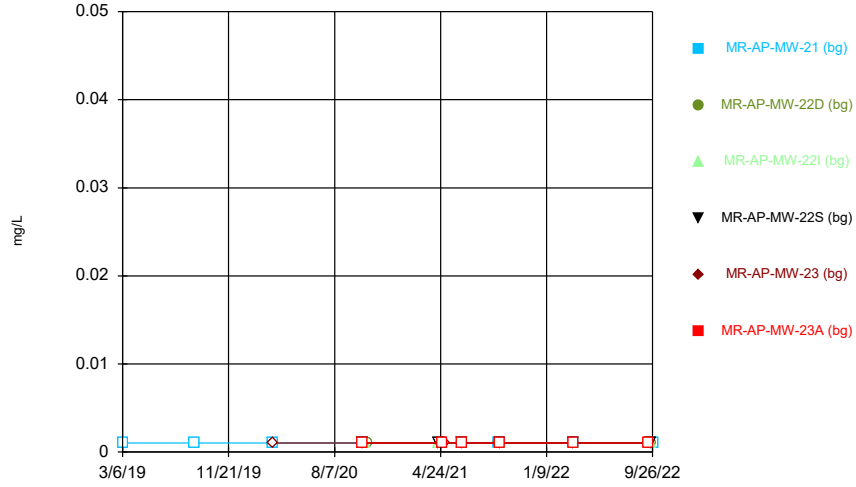

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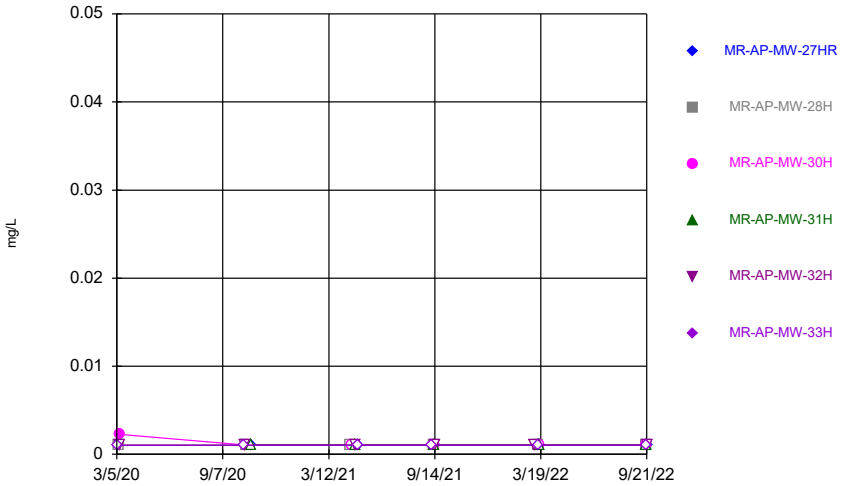
Time Series



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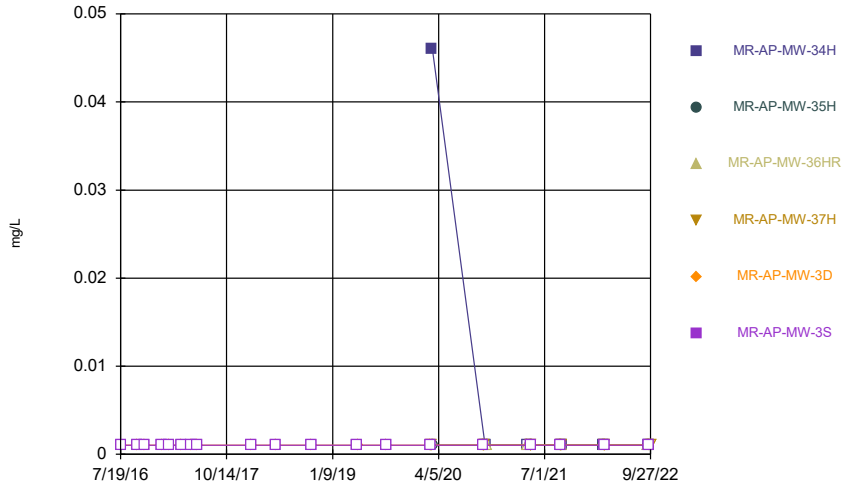
Time Series



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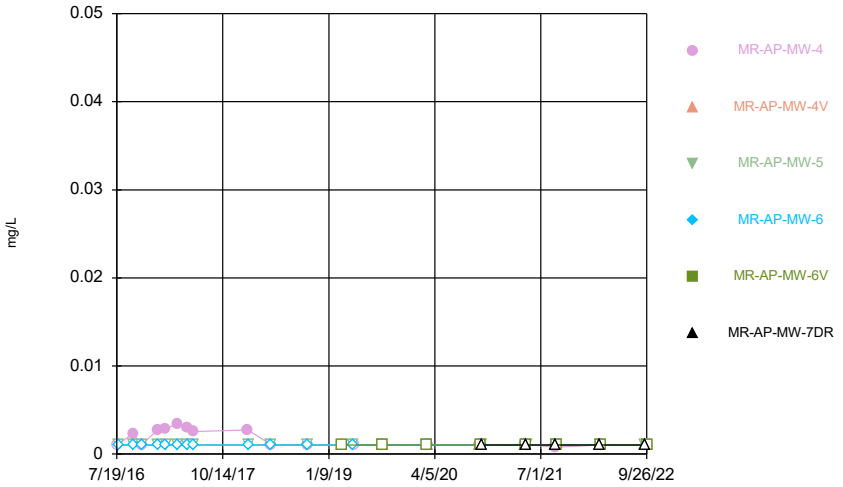

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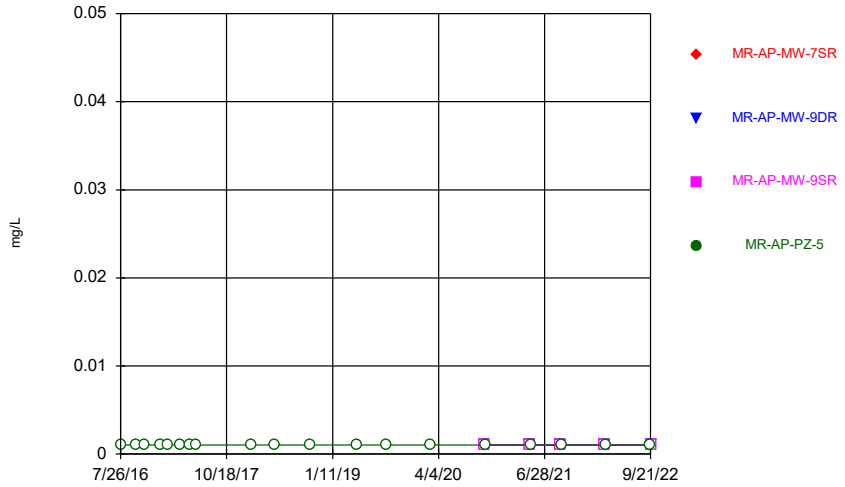

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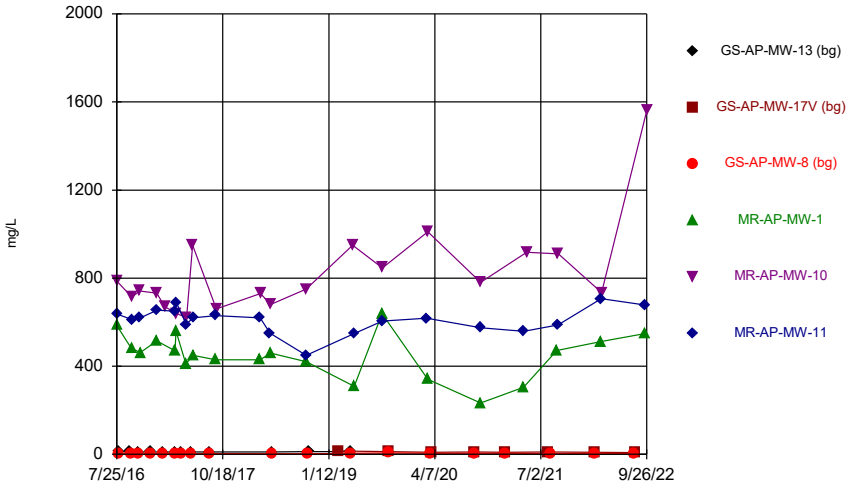
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

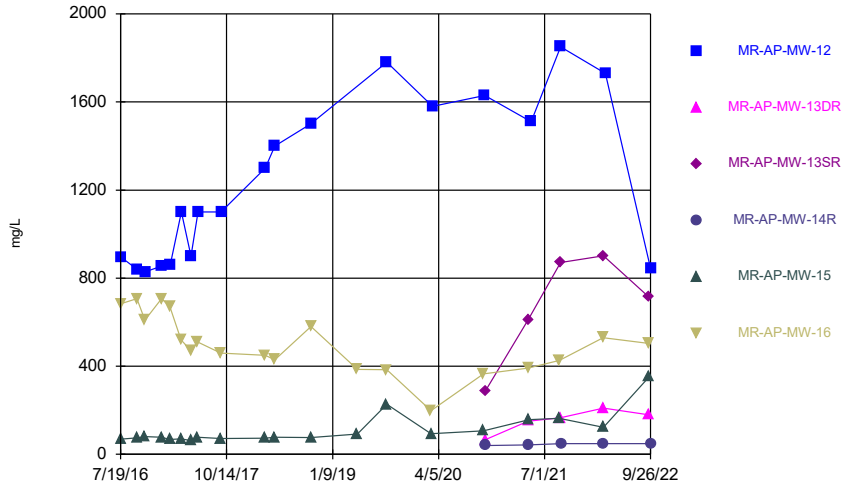


Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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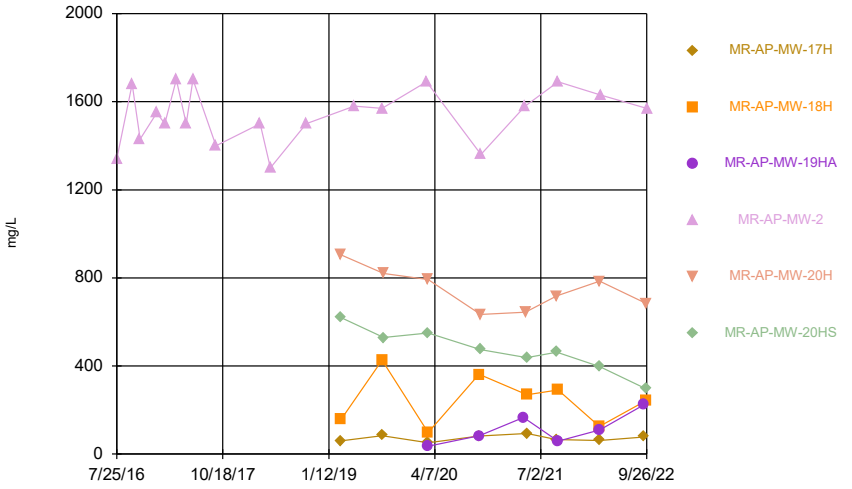
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
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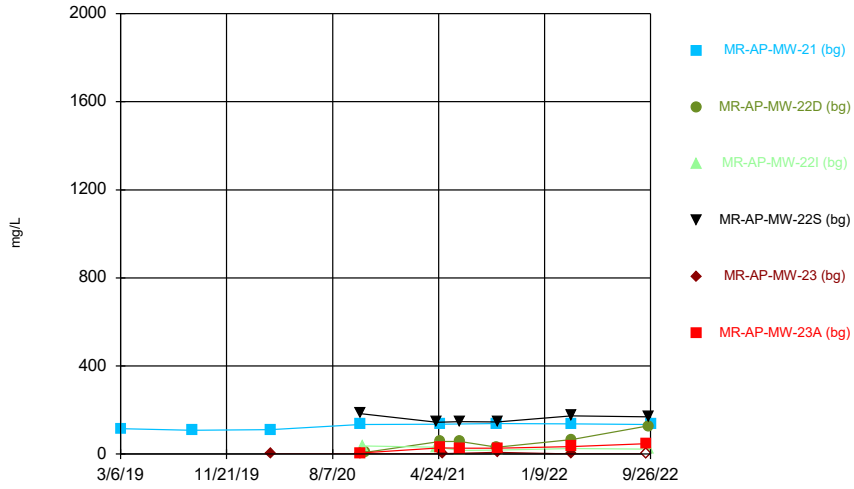
Time Series



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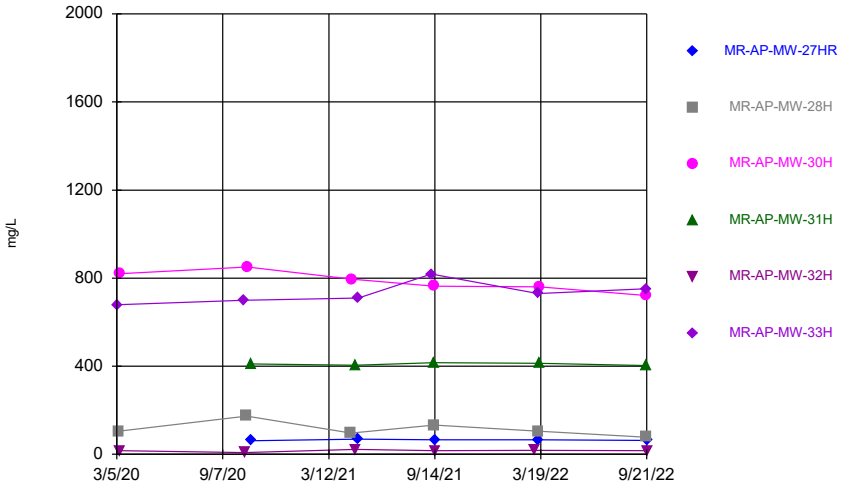
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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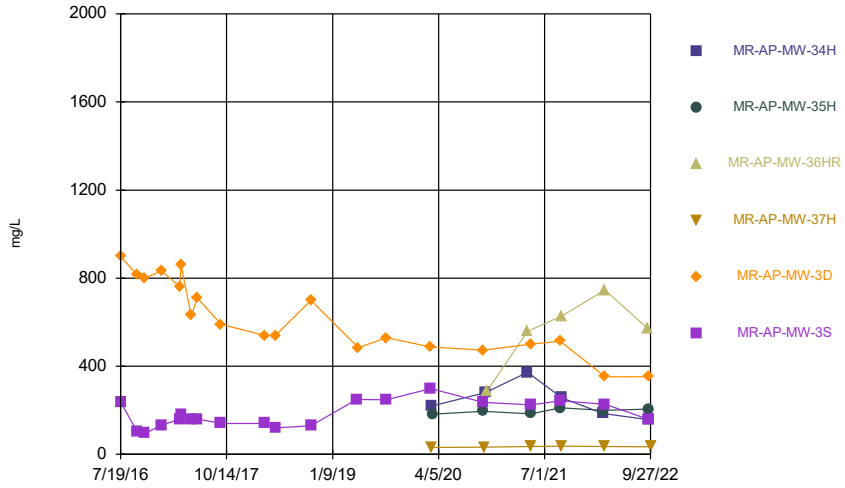
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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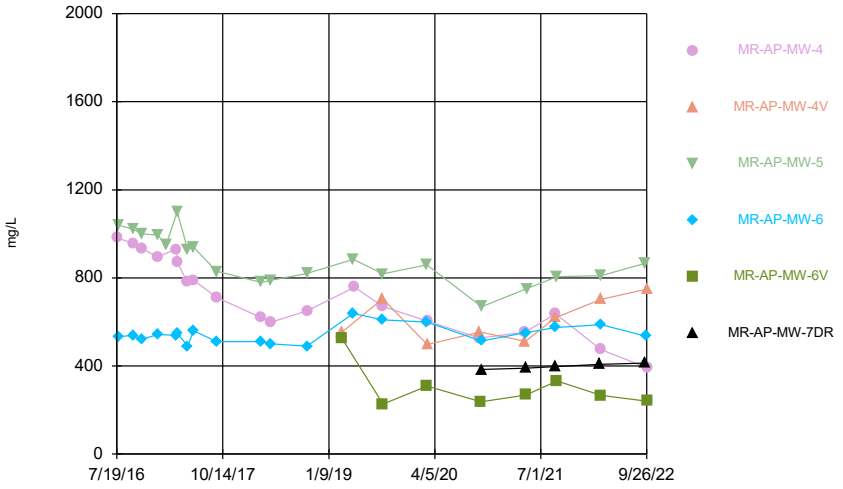
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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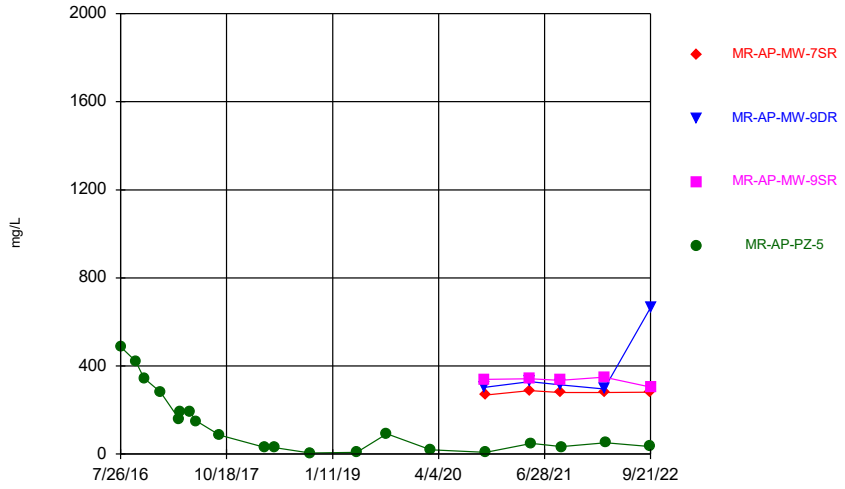
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

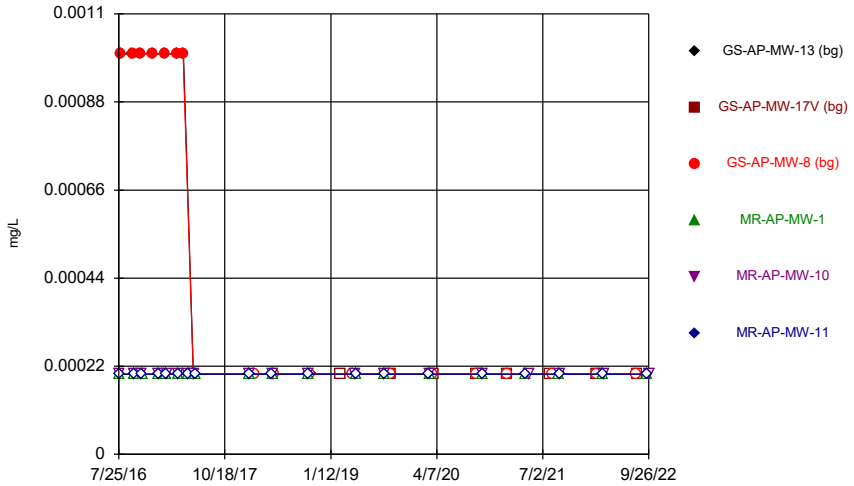


Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 11/15/2022 12:34 PM
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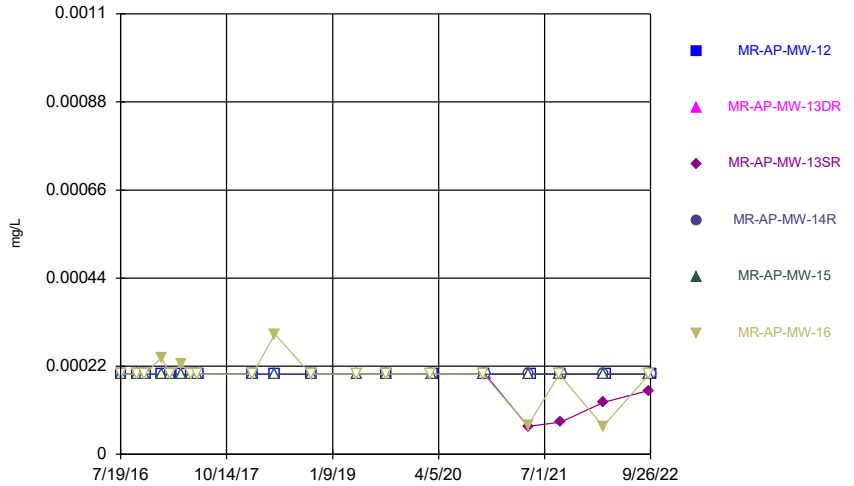
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 11/15/2022 12:34 PM
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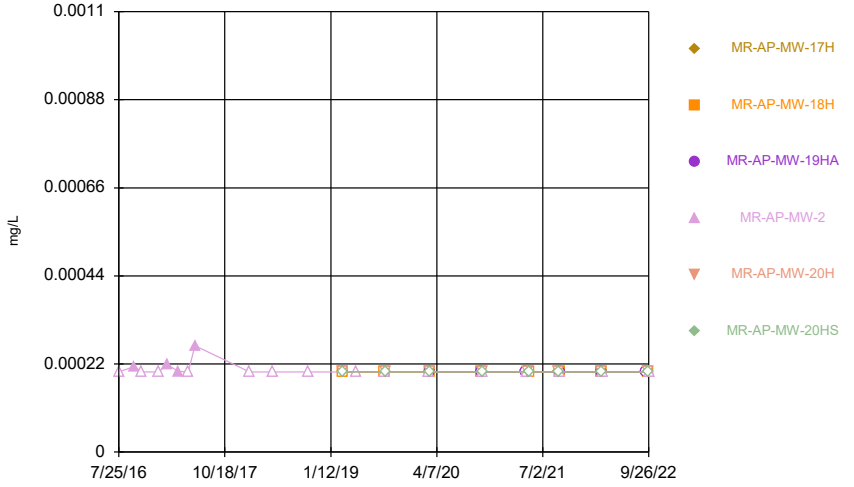
Time Series



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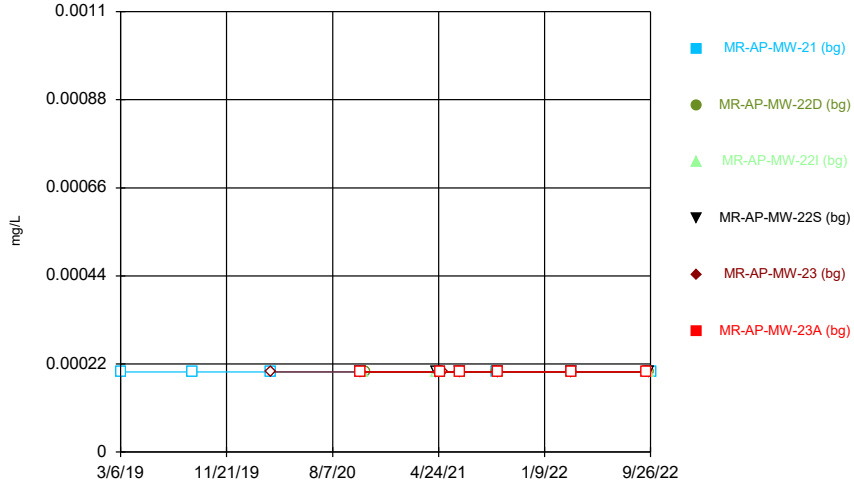

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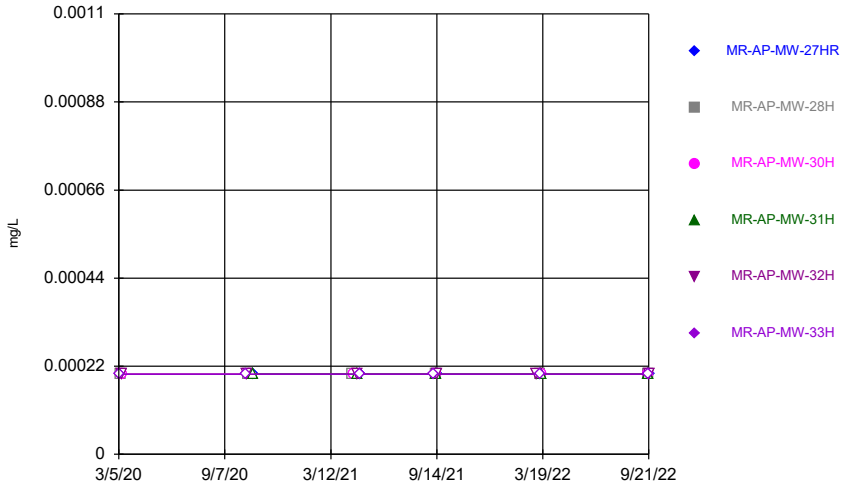

Constituent: Thallium Analysis Run 11/15/2022 12:34 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

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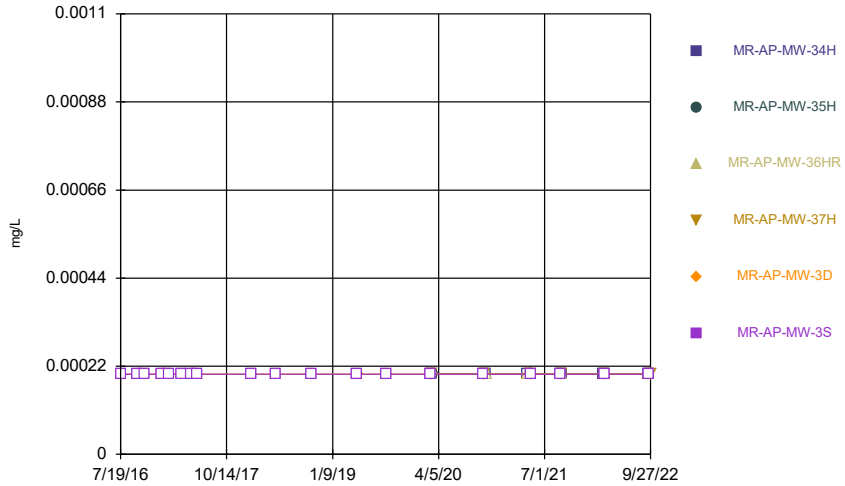
Hollow symbols indicate censored values.

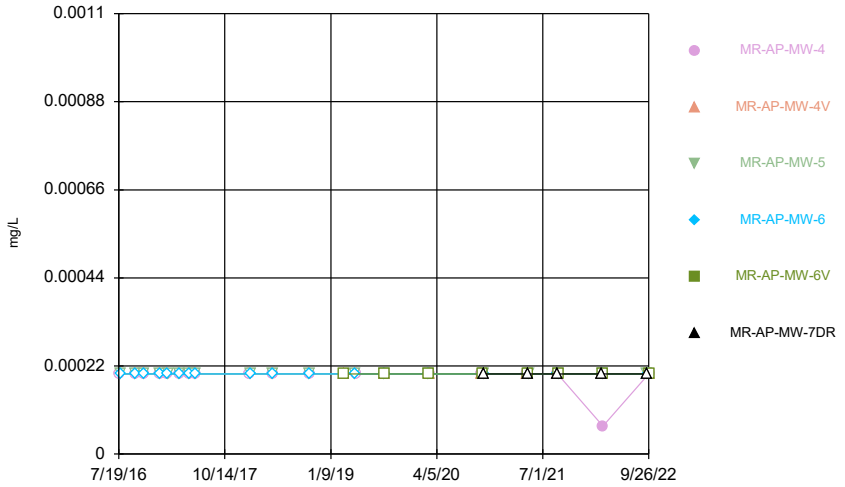
Time Series



Constituent: Thallium Analysis Run 11/15/2022 12:34 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

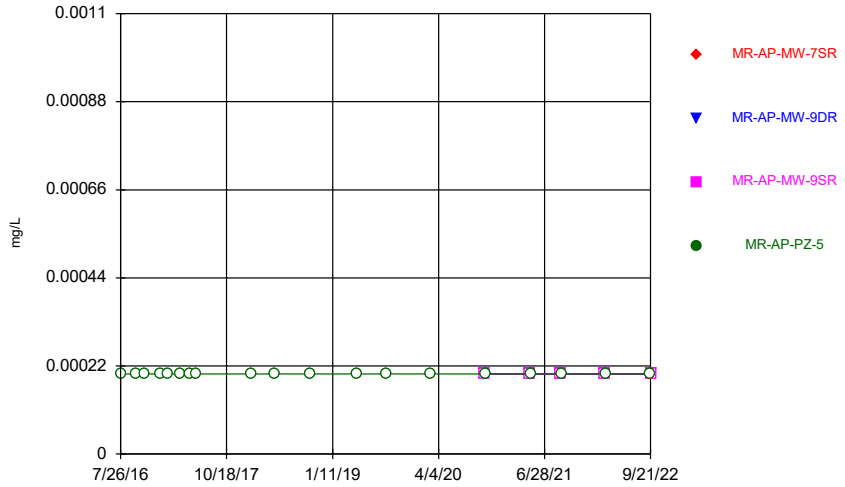
Time Series



Constituent: Thallium Analysis Run 11/15/2022 12:34 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

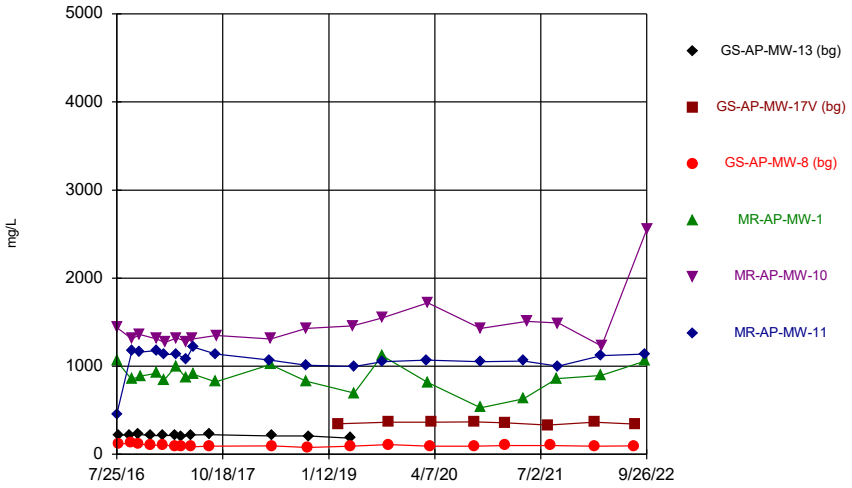
Time Series



Constituent: Thallium Analysis Run 11/15/2022 12:34 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

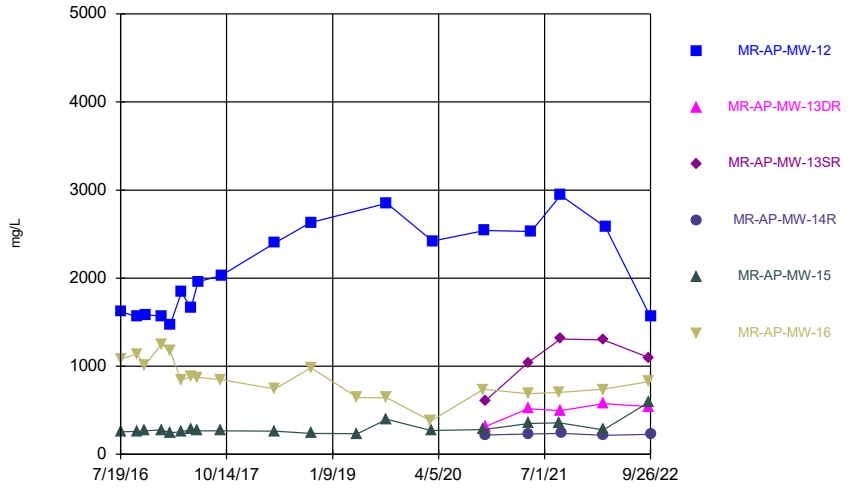


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

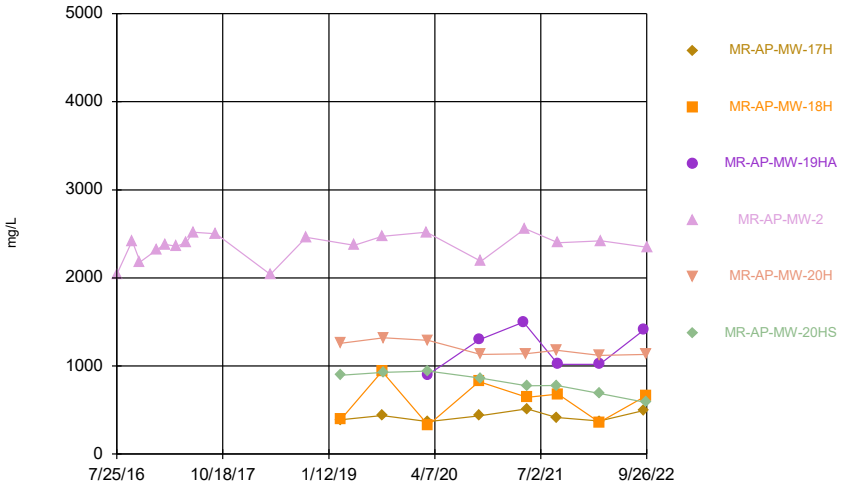


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

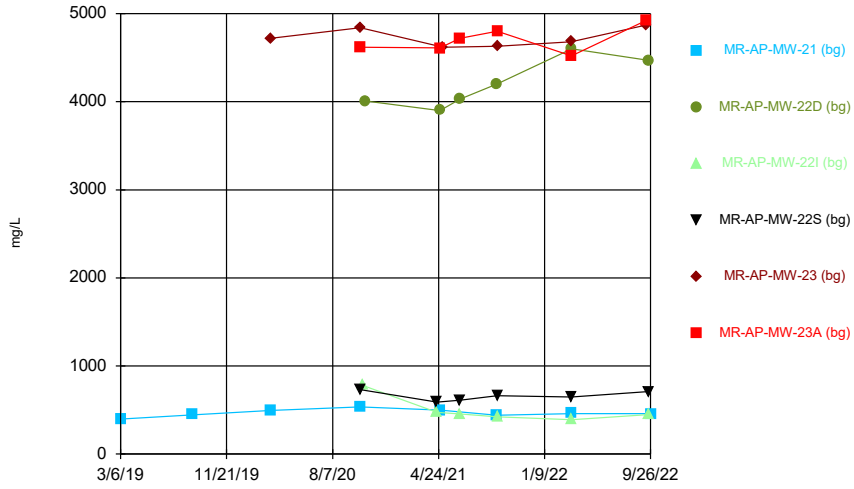


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

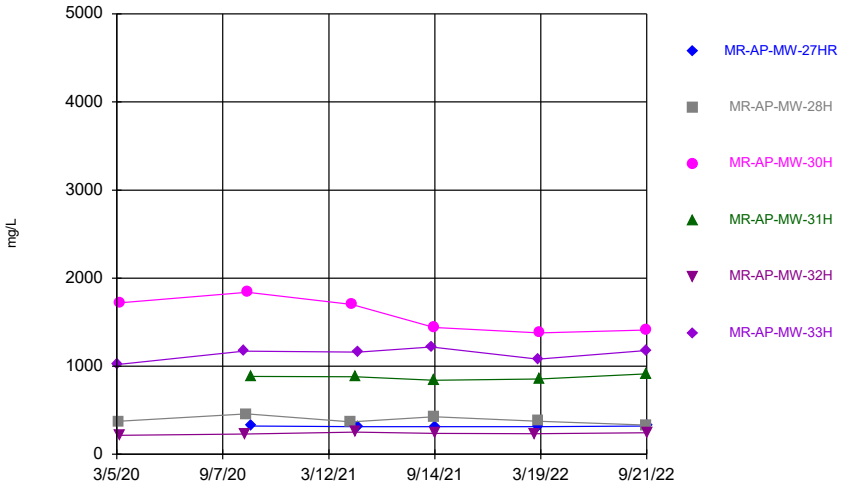


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

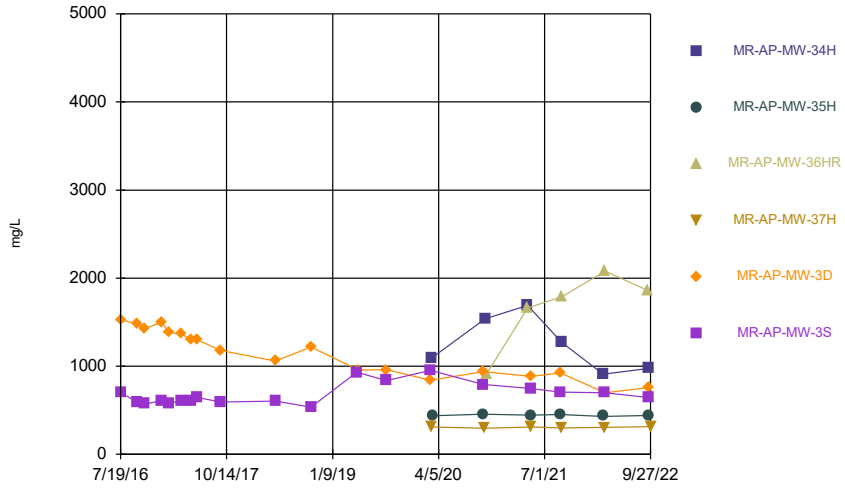


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

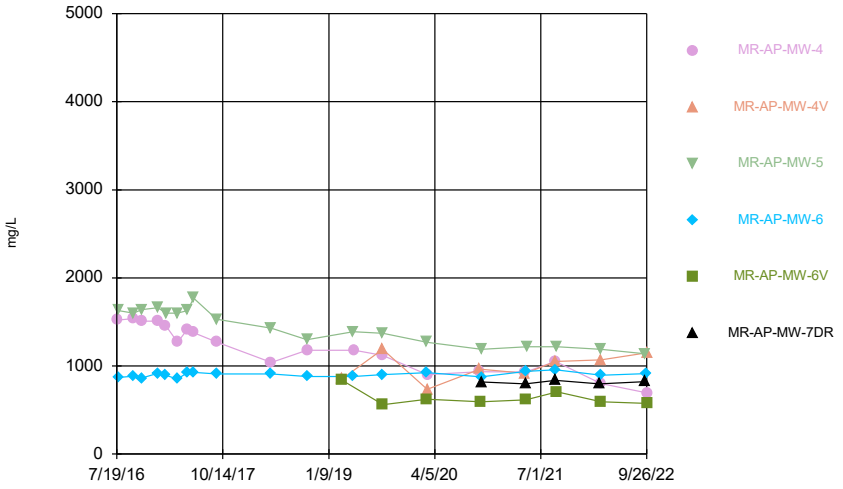


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

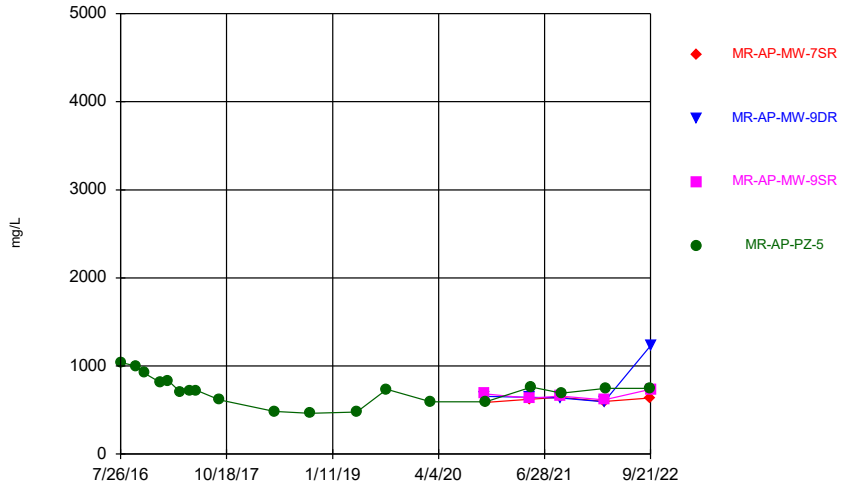


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.00102	<0.00102	<0.00102
8/2/2016	0.003					
8/3/2016			0.003			
9/20/2016	0.003					
9/21/2016			0.003			
9/26/2016				<0.00102		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.003		0.003			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				<0.00102		
12/13/2016	0.003		0.00067 (J)			
1/11/2017				<0.00102	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.003			
2/8/2017	0.003					
2/13/2017				<0.00102		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.003			
3/29/2017	0.003					
4/3/2017				<0.00102		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.003			
4/26/2017	0.003					
5/15/2017				<0.00102		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		<0.00102			
6/13/2017					<0.00102	
6/14/2017				<0.00102		<0.00102
1/31/2018					<0.00102	
2/1/2018				<0.00102		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				<0.00102		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		0.00115 (J)				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				<0.00102		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		<0.00102	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.00102	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				<0.00102	<0.00102	
10/20/2020						<0.00102
2/2/2021		<0.00102	<0.00102			
4/20/2021				<0.00102		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		<0.00102				
8/10/2021			<0.00102			
9/8/2021				<0.00102		
9/14/2021						<0.00102
9/15/2021					<0.00102	
2/14/2022		<0.00102				
2/16/2022			<0.00102			
3/15/2022				<0.00102		
3/16/2022						<0.00102
3/17/2022					<0.00102	
8/2/2022			<0.00102			
8/9/2022		<0.00102				
9/19/2022				<0.00102		
9/20/2022						<0.00102
9/26/2022					<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	0.00069 (J)					
9/26/2016					<0.00102	<0.00102
9/27/2016	0.000757 (J)					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	<0.00102
1/11/2017	<0.00102					
2/14/2017					<0.00102	0.000801 (J)
2/15/2017	<0.00102					
4/3/2017						<0.00102
4/4/2017	0.000652 (J)				<0.00102	
5/15/2017	0.000849 (J)					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	<0.00102
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	0.00107 (J)
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						<0.00102
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	<0.00102
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		<0.00102	<0.00102	<0.00102		0.000768 (J)
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					<0.00102	<0.00102
9/7/2021	0.00056 (J)	<0.00102	<0.00102			
9/13/2021				<0.00102		
3/8/2022						<0.00102
3/9/2022		<0.00102	<0.00102	<0.00102	<0.00102	
3/17/2022	0.00058 (J)					
9/19/2022		<0.00102	<0.00102			
9/20/2022					<0.00102	<0.00102
9/26/2022	<0.00102			<0.00102		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			<0.00102			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021						<0.00102
5/5/2021	<0.00102	<0.00102				
9/7/2021	<0.00102					
9/8/2021					<0.00102	<0.00102
9/13/2021			<0.00102			
9/14/2021		<0.00102		<0.00102		
3/8/2022	<0.00102	<0.00102				
3/9/2022			<0.00102		<0.00102	<0.00102
3/16/2022				<0.00102		
9/14/2022	<0.00102		<0.00102			
9/21/2022		<0.00102			<0.00102	<0.00102
9/26/2022				<0.00102		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		<0.00102				0.000758 (J)
4/28/2021	<0.00102					
5/5/2021					<0.00102	
6/16/2021		<0.00102	<0.00102	<0.00102		<0.00102
9/14/2021	<0.00102	0.00072 (J)				
9/15/2021			<0.00102	<0.00102	0.00056 (J)	0.00057 (J)
3/15/2022					0.0009 (J)	
3/16/2022			<0.00102	<0.00102		0.00109
3/17/2022	<0.00102	0.00114				
9/14/2022					<0.00102	<0.00102
9/21/2022		<0.00102	<0.00102	<0.00102		
9/26/2022	<0.00102					

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			<0.00102		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021	<0.00102					<0.00102
9/8/2021						<0.00102
9/13/2021		<0.00102	<0.00102	<0.00102		
9/14/2021	<0.00102				<0.00102	
3/9/2022					<0.00102	
3/14/2022	<0.00102	<0.00102				<0.00102
3/16/2022			<0.00102	<0.00102		
9/19/2022			<0.00102			
9/20/2022		<0.00102		<0.00102		<0.00102
9/21/2022	<0.00102				<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.000725 (J)	0.000787 (J)
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						0.00126 (J)
4/29/2019					0.00118 (J)	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	<0.00102			0.00201 (J)		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				0.0015 (J)		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				0.00123		
5/5/2021		<0.00102			<0.00102	<0.00102
9/7/2021		<0.00102			<0.00102	<0.00102
9/13/2021	<0.00102		<0.00102			
9/15/2021				0.00098 (J)		
3/8/2022		<0.00102				
3/9/2022	<0.00102					
3/16/2022			<0.00102		<0.00102	<0.00102
3/17/2022				0.00105		
9/14/2022			<0.00102			
9/19/2022	<0.00102	<0.00102			<0.00102	<0.00102
9/27/2022				0.0006 (J)		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	<0.00102					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	<0.00102			<0.00102		
1/10/2017			<0.00102			
2/13/2017	<0.00102			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	<0.00102					
5/16/2017	<0.00102			<0.00102		
5/17/2017			<0.00102			
6/12/2017	<0.00102		<0.00102	<0.00102		
1/29/2018	<0.00102					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		0.000933 (J)			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	<0.00102	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	<0.00102	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	<0.00102	
5/3/2021			<0.00102			
9/1/2021	<0.00102	<0.00102		<0.00102		<0.00102
9/8/2021			<0.00102		<0.00102	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	<0.00102				
3/16/2022				<0.00102	<0.00102	
9/20/2022			<0.00102			<0.00102
9/21/2022				<0.00102		
9/26/2022	<0.00102	<0.00102			<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				0.000701 (J)
2/13/2017				0.00166 (J)
4/3/2017				0.0008 (J)
5/17/2017				0.000975 (J)
6/12/2017				0.00107 (J)
2/1/2018				<0.00102
5/9/2018				0.00103 (J)
10/8/2018				<0.00102
4/23/2019				0.0009 (J)
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	<0.00102	<0.00102	<0.00102	
5/3/2021				<0.00102
9/1/2021	<0.00102	<0.00102	<0.00102	
9/8/2021				<0.00102
3/8/2022	<0.00102	<0.00102	<0.00102	
3/14/2022				<0.00102
9/20/2022	<0.00102			<0.00102
9/21/2022		<0.00102	<0.00102	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0046 (J)	0.00272 (J)	<0.0002
8/2/2016	0.005					
8/3/2016			0.00214 (J)			
9/20/2016	0.005					
9/21/2016			0.00112 (J)			
9/26/2016				0.00317 (J)		
9/27/2016					0.00246 (J)	<0.0002
10/25/2016	0.005		0.005			
10/31/2016					0.00261 (J)	
11/1/2016						<0.0002
11/2/2016				0.00321 (J)		
12/13/2016	0.005		0.005			
1/11/2017				0.00286 (J)	0.00291 (J)	
1/12/2017						<0.0002
2/6/2017			0.00111 (J)			
2/8/2017	0.005					
2/13/2017				0.0024 (J)		<0.0002
2/14/2017					0.00272 (J)	
3/28/2017			0.00109 (J)			
3/29/2017	0.005					
4/3/2017				0.00232 (J)		
4/4/2017						<0.0002
4/6/2017					0.00235 (J)	
4/24/2017			0.005			
4/26/2017	0.005					
5/15/2017				0.00183 (J)		
5/16/2017						<0.0002
5/17/2017					0.00213 (J)	
6/7/2017	<0.0002		<0.0002			
6/13/2017					0.00218 (J)	
6/14/2017				0.00151 (J)		<0.0002
1/31/2018					0.00229 (J)	
2/1/2018				0.00284 (J)		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				0.00109 (J)		
5/10/2018					0.00215 (J)	
5/15/2018	<0.0002		<0.0002			
10/8/2018					0.00184 (J)	
10/9/2018				0.00174 (J)		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		0.0011 (J)				
4/16/2019	<0.0002		<0.0002			
4/24/2019					0.00193 (J)	
5/1/2019				0.00229 (J)		<0.0002
8/27/2019				0.00211 (J)		
8/28/2019						<0.0002
8/29/2019					0.00177 (J)	
9/24/2019		0.00149 (J)	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0058	0.0018 (J)	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				0.00351 (J)	0.00186 (J)	
10/20/2020						<0.0002
2/2/2021		0.000243	0.000228			
4/20/2021				0.00225		
4/21/2021						8.14E-05 (J)
5/3/2021					0.00142	
8/2/2021		0.00013 (J)				
8/10/2021			0.00039			
9/8/2021				0.00219		
9/14/2021						8E-05 (J)
9/15/2021					0.0016	
2/14/2022		0.00047				
2/16/2022			0.00028			
3/15/2022				0.0021		
3/16/2022						0.00012 (J)
3/17/2022					0.061	
8/2/2022			0.00016 (J)			
8/9/2022		0.000807				
9/19/2022				0.00247		
9/20/2022						0.00012 (J)
9/26/2022					0.0323	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.00159 (J)
7/20/2016	0.00169 (J)					
9/26/2016					<0.0002	<0.0002
9/27/2016	0.00187 (J)					
10/31/2016					<0.0002	<0.0002
11/1/2016	0.00203 (J)					
1/9/2017					<0.0002	<0.0002
1/11/2017	0.00196 (J)					
2/14/2017					<0.0002	<0.0002
2/15/2017	0.00189 (J)					
4/3/2017						<0.0002
4/4/2017	0.00186 (J)				<0.0002	
5/15/2017	0.00167 (J)					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	0.00161 (J)					
1/30/2018	0.00189 (J)					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	0.00222 (J)					
10/8/2018	0.0024 (J)					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	0.00297 (J)				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	0.00353 (J)					
10/13/2020					<0.0002	<0.0002
10/19/2020	0.00463 (J)					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		0.000396	0.00109	0.000288		0.000891
4/26/2021					0.000665	
5/5/2021	0.00514					
9/1/2021					0.00083	0.0009
9/7/2021	0.00507	0.00041	0.0013			
9/13/2021				0.00023		
3/8/2022						0.00073
3/9/2022		0.00066	0.00155	0.00019 (J)	0.00042	
3/17/2022	0.0078					
9/19/2022		0.000629	0.00187			
9/20/2022					0.00153	0.0031
9/26/2022	0.00709			0.000183 (J)		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.00267 (J)		
9/28/2016				0.00163 (J)		
11/1/2016				0.00197 (J)		
1/11/2017				0.00168 (J)		
2/14/2017				0.00175 (J)		
4/4/2017				0.00148 (J)		
5/16/2017				0.00156 (J)		
6/14/2017				0.00154 (J)		
2/1/2018				0.0013 (J)		
5/9/2018				0.00121 (J)		
10/9/2018				0.00156 (J)		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				0.0039 (J)		
8/27/2019	<0.0002	<0.0002		0.00194 (J)		
9/3/2019					0.00104 (J)	<0.0002
3/3/2020				0.00238 (J)		
3/9/2020			0.00384 (J)			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			0.00247 (J)			
10/19/2020					0.00105 (J)	<0.0002
10/21/2020				0.00346 (J)		
4/20/2021			0.000986			
4/26/2021				0.00346		
4/28/2021					0.00106	
5/3/2021						0.00022
5/5/2021	0.00115	0.000269				
9/7/2021	0.00011 (J)					
9/8/2021					0.00094	0.00027
9/13/2021			0.00042			
9/14/2021		0.00024		0.0043		
3/8/2022	<0.0002	0.00028				
3/9/2022			0.00061		0.00087	0.0003
3/16/2022				0.00394		
9/14/2022	<0.0002		0.00101			
9/21/2022		0.000182 (J)			0.00089	0.000276
9/26/2022				0.00401		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.00106 (J)					
8/28/2019	0.00129 (J)					
3/9/2020	0.00472 (J)				<0.0002	
10/13/2020	0.00366 (J)					
10/14/2020				0.00129 (J)	<0.0002	0.0014 (J)
10/20/2020			0.00319 (J)			
10/26/2020		0.00188 (J)				
4/20/2021			0.00111	0.000373		
4/27/2021		0.00645				0.00164
4/28/2021	0.00292					
5/5/2021					0.000426	
6/16/2021		0.0047	0.00055	0.00068		0.0019
9/14/2021	0.001	0.00273				
9/15/2021			0.00047	0.00038	0.00052	0.00416
3/15/2022					0.00038	
3/16/2022			0.00026	0.00037		0.00449
3/17/2022	0.00137	0.00354				
9/14/2022					0.000219	0.00612
9/21/2022		0.00445	0.000184 (J)	0.000564		
9/26/2022	0.00117					

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.00362 (J)
3/9/2020		0.00423 (J)				
3/10/2020			0.00737		0.00312 (J)	
10/14/2020						0.0047 (J)
10/15/2020					0.00527	
10/19/2020		0.00281 (J)				
10/20/2020			0.00242 (J)			
10/26/2020	<0.0002					
10/27/2020				0.00133 (J)		
4/20/2021		0.00173				
4/21/2021			0.000974			
4/27/2021				0.000721		
4/28/2021					0.000881	
5/3/2021	0.00031					0.00436
9/8/2021						0.00429
9/13/2021		0.00164	0.00049	0.00048		
9/14/2021	0.00027				0.00092	
3/9/2022					0.0008	
3/14/2022	0.00027	0.00135				0.00358
3/16/2022			0.0011	0.0004		
9/19/2022			0.000763			
9/20/2022		0.00201		0.00044		0.0048
9/21/2022	0.000147 (J)				0.00103	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.0105	0.00172 (J)
9/26/2016					0.0106	0.00246 (J)
10/31/2016					0.0111	0.00224 (J)
1/9/2017					0.0119	0.00251 (J)
2/13/2017					0.0122	0.00179 (J)
4/3/2017					0.0115	0.00128 (J)
5/16/2017					0.0103	0.00124 (J)
6/12/2017					0.0108	0.0018 (J)
1/29/2018					0.0119	0.00264 (J)
5/10/2018					0.0111	0.00262 (J)
10/9/2018					0.01	0.00206 (J)
4/22/2019						0.00275 (J)
4/29/2019					0.0108	
8/27/2019					0.0111	0.00222 (J)
3/3/2020					0.0118	0.00199 (J)
3/9/2020	0.00719			0.0113		
3/10/2020		0.0139				
10/13/2020		0.0146			0.015	<0.0002
10/19/2020				0.00192 (J)		
10/21/2020	<0.0002					
10/27/2020			0.00333 (J)			
4/21/2021	0.0013		0.00666			
5/3/2021				0.00127		
5/5/2021		0.0117			0.0116	0.000735
9/7/2021		0.0129			0.011	0.00088
9/13/2021	0.00087		0.00601			
9/15/2021				0.00127		
3/8/2022		0.0118				
3/9/2022	0.00067					
3/16/2022			0.00633		0.0107	0.00074
3/17/2022				0.00148		
9/14/2022			0.00426			
9/19/2022	0.000502	0.0135			0.0128	0.000783
9/27/2022				0.000844		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			0.0112	<0.0002		
9/27/2016	<0.0002					
9/28/2016			0.00955	<0.0002		
11/1/2016	<0.0002			<0.0002		
11/2/2016			0.0129			
1/9/2017	<0.0002			<0.0002		
1/10/2017			0.0135			
2/13/2017	<0.0002			<0.0002		
2/14/2017			0.0141			
4/3/2017			0.0141	<0.0002		
4/4/2017	<0.0002					
5/16/2017	<0.0002			<0.0002		
5/17/2017			0.0138			
6/12/2017	<0.0002		0.0118	<0.0002		
1/29/2018	<0.0002					
2/1/2018			0.0142	<0.0002		
5/9/2018	<0.0002		0.0114	<0.0002		
10/8/2018	<0.0002		0.0109	<0.0002		
3/5/2019		0.00167 (J)			0.00146 (J)	
4/23/2019			0.0122	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	0.00149 (J)				
8/28/2019			0.0107	<0.0002	0.0151	
3/2/2020			0.0122			
3/3/2020				<0.0002	0.0236	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					0.00307 (J)	
10/20/2020				<0.0002		0.00547
10/21/2020			0.0145			
4/26/2021	0.000368	0.000554				
4/27/2021						0.00188
4/28/2021				0.000104 (J)	0.00239	
5/3/2021			0.0111			
9/1/2021	0.0004	0.00081		<0.0002		0.00098
9/8/2021			0.0112		0.0016	
3/8/2022						0.00061
3/14/2022			0.00987			
3/15/2022	0.0002 (J)	0.00165				
3/16/2022				0.00012 (J)	0.00161	
9/20/2022			0.00931			0.000694
9/21/2022				<0.0002		
9/26/2022	0.000331	0.00375			0.00139	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.00314 (J)
9/28/2016				0.00629
11/2/2016				0.00438 (J)
1/12/2017				0.0039 (J)
2/13/2017				0.00443 (J)
4/3/2017				0.00206 (J)
5/17/2017				0.00306 (J)
6/12/2017				0.00203 (J)
2/1/2018				0.00181 (J)
5/9/2018				0.00291 (J)
10/8/2018				0.00166 (J)
4/23/2019				<0.0002
8/29/2019				0.00123 (J)
3/2/2020				0.0013 (J)
10/15/2020		<0.0002	0.0016 (J)	
10/20/2020	0.00251 (J)			
10/21/2020				0.00137 (J)
4/27/2021	0.00254	0.000587	0.00112	
5/3/2021				0.000109 (J)
9/1/2021	0.0022	0.00056	0.0009	
9/8/2021				0.00021
3/8/2022	0.00177	0.00086	0.00079	
3/14/2022				9E-05 (J)
9/20/2022	0.00182			0.00031
9/21/2022		0.000632	0.000807	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0656	0.0185	0.052
8/2/2016	0.184					
8/3/2016			0.0274			
9/20/2016	0.153					
9/21/2016			0.0811			
9/26/2016				0.041		
9/27/2016					0.0131	0.0398
10/25/2016	0.176		0.0576			
10/31/2016					0.0124	
11/1/2016						0.0375
11/2/2016				0.0578		
12/13/2016	0.184		0.0241			
1/11/2017				0.0603	0.0122	
1/12/2017						0.0291
2/6/2017			0.0747			
2/8/2017	0.189					
2/13/2017				0.0946		0.0329
2/14/2017					0.0151	
3/28/2017			0.0183			
3/29/2017	0.184					
4/3/2017				0.0996		
4/4/2017						0.0292
4/6/2017					0.0116	
4/24/2017			0.04			
4/26/2017	0.177					
5/15/2017				0.0753		
5/16/2017						0.0247
5/17/2017					0.0132	
6/7/2017	0.164		0.00769 (J)			
6/13/2017					0.0131	
6/14/2017				0.0821		0.0263
1/31/2018					0.0138	
2/1/2018				0.0814		0.0366
2/19/2018			0.00762 (J)			
2/20/2018	0.165					
5/8/2018						0.0347
5/9/2018				0.116		
5/10/2018					0.0142	
5/15/2018	0.172		0.00701 (J)			
10/8/2018					0.0126	
10/9/2018				0.0933		0.0322
10/16/2018			0.0094 (J)			
10/17/2018	0.165					
2/20/2019		0.191				
4/16/2019	0.16		0.00459 (J)			
4/24/2019					0.0154	
5/1/2019				0.0672		0.04
8/27/2019				0.0555		
8/28/2019						0.0387
8/29/2019					0.0185	
9/24/2019		0.208	0.0434			
3/3/2020						0.029

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0285	0.0175	
3/18/2020			0.00507 (J)			
3/25/2020		0.314				
9/21/2020			0.026			
9/23/2020		0.299				
10/19/2020				0.0295	0.0168	
10/20/2020						0.0414
2/2/2021		0.308	0.0068			
4/20/2021				0.0454		
4/21/2021						0.0401
5/3/2021					0.0147	
8/2/2021		0.353				
8/10/2021			0.00805			
9/8/2021				0.101		
9/14/2021						0.0392
9/15/2021					0.017	
2/14/2022		0.315				
2/16/2022			0.00763			
3/15/2022				0.12		
3/16/2022						0.031
3/17/2022					0.0106	
8/2/2022			0.0116			
8/9/2022		0.292				
9/19/2022				0.199		
9/20/2022						0.0318
9/26/2022					0.0169	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.125	0.044
7/20/2016	0.0243					
9/26/2016					0.131	0.0367
9/27/2016	0.0273					
10/31/2016					0.101	0.0277
11/1/2016	0.0211					
1/9/2017					0.0952	0.0323
1/11/2017	0.0208					
2/14/2017					0.106	0.0391
2/15/2017	0.0227					
4/3/2017						0.0245
4/4/2017	0.021				0.0962	
5/15/2017	0.0229					
5/16/2017					0.1	0.0276
6/12/2017					0.08	0.0242
6/14/2017	0.0221					
1/30/2018	0.0224					
1/31/2018					0.07	
2/1/2018						0.0289
5/7/2018					0.071	0.0264
5/8/2018	0.0194					
10/8/2018	0.0167					
10/9/2018					0.0588	0.0271
4/24/2019					0.0765	0.0252
8/28/2019	0.0177				0.0424	0.0208
3/3/2020						0.03
3/4/2020					0.0544	
3/10/2020	0.015					
10/13/2020					0.0522	0.0322
10/19/2020	0.0157					
10/20/2020		0.144	0.0466	0.116		
4/21/2021		0.104	0.0286	0.0998		0.02
4/26/2021					0.0308	
5/5/2021	0.0136					
9/1/2021					0.0298	0.0243
9/7/2021	0.0191	0.0749	0.0277			
9/13/2021				0.104		
3/8/2022						0.0206
3/9/2022		0.0618	0.0216	0.101	0.0275	
3/17/2022	0.0149					
9/19/2022		0.0576	0.019			
9/20/2022					0.0414	0.0243
9/26/2022	0.019			0.1		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.0266		
9/28/2016				0.0246		
11/1/2016				0.0186		
1/11/2017				0.0157		
2/14/2017				0.0183		
4/4/2017				0.016		
5/16/2017				0.0162		
6/14/2017				0.016		
2/1/2018				0.016		
5/9/2018				0.0143		
10/9/2018				0.0136		
3/6/2019	0.65	0.0293			0.0486	0.0711
5/1/2019				0.0164		
8/27/2019	0.495	0.0361		0.0177		
9/3/2019					0.0361	0.0425
3/3/2020				0.0172		
3/9/2020			0.0752			
3/10/2020	0.425	0.0261			0.0267	0.0292
10/13/2020	0.444	0.0379				
10/14/2020			0.0769			
10/19/2020					0.0276	0.0283
10/21/2020				0.0185		
4/20/2021			0.0976			
4/26/2021				0.0167		
4/28/2021					0.025	
5/3/2021						0.027
5/5/2021	1.68	0.0484				
9/7/2021	0.511					
9/8/2021					0.028	0.0283
9/13/2021			0.0673			
9/14/2021		0.0301		0.0197		
3/8/2022	0.622	0.0258				
3/9/2022			0.0604		0.0245	0.0263
3/16/2022				0.0147		
9/14/2022	0.196		0.129			
9/21/2022		0.0452			0.0273	0.029
9/26/2022				0.0164		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.0629					
8/28/2019	0.314					
3/9/2020	0.469				11	
10/13/2020	0.381					
10/14/2020				0.122	12.4	9.8 (RA)
10/20/2020			0.198			
10/26/2020		4.33				
4/20/2021			0.0624	0.0638		
4/27/2021		2.59				6.89 (RA)
4/28/2021	0.25					
5/5/2021					11.9	
6/16/2021		2.96	0.0602	0.074		6.51
9/14/2021	0.147	4.49				
9/15/2021			0.0489	0.0635	12.2	6.53
3/15/2022					11.7	
3/16/2022			0.0367	0.053		6.68
3/17/2022	0.142	2.95				
9/14/2022					12.4	5.09
9/21/2022		1.14	0.0502	0.0517		
9/26/2022	0.133					

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.0326
3/9/2020		0.0658				
3/10/2020			0.0503		0.367	
10/14/2020						0.0381
10/15/2020					0.584	
10/19/2020		0.0429				
10/20/2020			0.0468			
10/26/2020	0.101					
10/27/2020				0.0585		
4/20/2021		0.0447				
4/21/2021			0.0266			
4/27/2021				0.045		
4/28/2021					0.522	
5/3/2021	0.0893					0.0324
9/8/2021						0.0369
9/13/2021		0.0484	0.0207	0.0443		
9/14/2021	0.091				0.585	
3/9/2022					0.492	
3/14/2022	0.0875	0.0452				0.0317
3/16/2022			0.0214	0.0361		
9/19/2022			0.0216			
9/20/2022		0.055		0.0376		0.0341
9/21/2022	0.0777				0.508	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.032	0.083
9/26/2016					0.0222	0.0616
10/31/2016					0.0235	0.073
1/9/2017					0.0229	0.0791
2/13/2017					0.0259	0.101
4/3/2017					0.0244	0.109
5/16/2017					0.0229	0.108
6/12/2017					0.0246	0.0919
1/29/2018					0.0282	0.118
5/10/2018					0.0243	0.133
10/9/2018					0.0234	0.121
4/22/2019						0.447
4/29/2019					0.0404	
8/27/2019					0.0334	0.395
3/3/2020					0.0304	0.347
3/9/2020	0.088			0.112		
3/10/2020		0.0349				
10/13/2020		0.0315			0.0293	0.22
10/19/2020				0.11		
10/21/2020	0.0952					
10/27/2020			0.0347			
4/21/2021	0.0853		0.0467			
5/3/2021				0.101		
5/5/2021		0.0317			0.0247	0.149
9/7/2021		0.0289			0.0259	0.17
9/13/2021	0.0692		0.0518			
9/15/2021				0.11		
3/8/2022		0.0274				
3/9/2022	0.0615					
3/16/2022			0.0536		0.0247	0.149
3/17/2022				0.103		
9/14/2022			0.0366			
9/19/2022	0.0558	0.0275			0.0339	0.146
9/27/2022				0.105		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.0165					
7/26/2016			0.0158	0.0266		
9/27/2016	0.0139					
9/28/2016			0.0153	0.0261		
11/1/2016	0.0141			0.0265		
11/2/2016			0.0154			
1/9/2017	0.0144			0.0256		
1/10/2017			0.015			
2/13/2017	0.0145			0.0286		
2/14/2017			0.017			
4/3/2017			0.0148	0.0253		
4/4/2017	0.013					
5/16/2017	0.0121			0.0268		
5/17/2017			0.0149			
6/12/2017	0.0133		0.0154	0.026		
1/29/2018	0.0137					
2/1/2018			0.0162	0.0264		
5/9/2018	0.0142		0.0144	0.0242		
10/8/2018	0.0119		0.0149	0.023		
3/5/2019		0.0219			0.0355	
4/23/2019			0.0163	0.0256		
4/29/2019	0.0146					
8/27/2019	0.014	0.0187				
8/28/2019			0.0158	0.0269	0.0614	
3/2/2020			0.0155			
3/3/2020				0.0257	0.0275	
3/4/2020	0.0137	0.019				
10/14/2020	0.0127	0.0179				
10/19/2020					0.0597	
10/20/2020				0.0252		0.0331
10/21/2020			0.0173			
4/26/2021	0.0115	0.0182				
4/27/2021						0.0262
4/28/2021				0.0241	0.0259	
5/3/2021			0.015			
9/1/2021	0.0129	0.0177		0.0251		0.028
9/8/2021			0.0175		0.0331	
3/8/2022						0.0261
3/14/2022			0.0162			
3/15/2022	0.0137	0.0183				
3/16/2022				0.0228	0.0281	
9/20/2022			0.0171			0.0287
9/21/2022				0.0217		
9/26/2022	0.0165	0.0186			0.0343	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.11
9/28/2016				0.0644
11/2/2016				0.0781
1/12/2017				0.0582
2/13/2017				0.0612
4/3/2017				0.166
5/17/2017				0.11
6/12/2017				0.127
2/1/2018				0.144
5/9/2018				0.131
10/8/2018				0.111
4/23/2019				0.176
8/29/2019				0.25
3/2/2020				0.165
10/15/2020		0.0408	0.0274	
10/20/2020	0.0466			
10/21/2020				0.166
4/27/2021	0.0421	0.0368	0.0184	
5/3/2021				0.248
9/1/2021	0.043	0.0394	0.0172	
9/8/2021				0.236
3/8/2022	0.0403	0.0393	0.0169	
3/14/2022				0.267
9/20/2022	0.0384			0.222
9/21/2022		0.0208	0.0186	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.00102	<0.00102	<0.00102
8/2/2016	0.003					
8/3/2016			0.003			
9/20/2016	0.003					
9/21/2016			0.003			
9/26/2016				<0.00102		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.003		0.003			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				<0.00102		
12/13/2016	0.003		0.003			
1/11/2017				<0.00102	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.003			
2/8/2017	0.003					
2/13/2017				<0.00102		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.003			
3/29/2017	0.003					
4/3/2017				<0.00102		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.003			
4/26/2017	0.003					
5/15/2017				<0.00102		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		<0.00102			
6/13/2017					<0.00102	
6/14/2017				<0.00102		<0.00102
1/31/2018					<0.00102	
2/1/2018				<0.00102		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				<0.00102		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		<0.00102				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				<0.00102		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		<0.00102	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.00102	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				<0.00102	<0.00102	
10/20/2020						<0.00102
2/2/2021		<0.00102	<0.00102			
4/20/2021				<0.00102		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		<0.00102				
8/10/2021			<0.00102			
9/8/2021				<0.00102		
9/14/2021						<0.00102
9/15/2021					<0.00102	
2/14/2022		<0.00102				
2/16/2022			<0.00102			
3/15/2022				<0.00102		
3/16/2022						<0.00102
3/17/2022					<0.00102	
8/2/2022			<0.00102			
8/9/2022		<0.00102				
9/19/2022				<0.00102		
9/20/2022						<0.00102
9/26/2022					<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	<0.00102					
9/26/2016					<0.00102	<0.00102
9/27/2016	<0.00102					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	<0.00102
1/11/2017	<0.00102					
2/14/2017					<0.00102	<0.00102
2/15/2017	<0.00102					
4/3/2017						<0.00102
4/4/2017	<0.00102				<0.00102	
5/15/2017	<0.00102					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	<0.00102
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	<0.00102
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						<0.00102
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	<0.00102
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		<0.00102	<0.00102	<0.00102		<0.00102
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					<0.00102	<0.00102
9/7/2021	<0.00102	<0.00102	0.00166			
9/13/2021				<0.00102		
3/8/2022						<0.00102
3/9/2022		<0.00102	0.00171	<0.00102	<0.00102	
3/17/2022	<0.00102					
9/19/2022		<0.00102	0.00241			
9/20/2022					<0.00102	<0.00102
9/26/2022	<0.00102			<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			<0.00102			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021						<0.00102
5/5/2021	0.000633 (J)	<0.00102				
9/7/2021	<0.00102					
9/8/2021					<0.00102	<0.00102
9/13/2021			<0.00102			
9/14/2021		<0.00102		<0.00102		
3/8/2022	<0.00102	<0.00102				
3/9/2022			<0.00102		<0.00102	<0.00102
3/16/2022				<0.00102		
9/14/2022	<0.00102		<0.00102			
9/21/2022		<0.00102			<0.00102	<0.00102
9/26/2022				<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		<0.00102				<0.00102
4/28/2021	<0.00102					
5/5/2021					<0.00102	
6/16/2021		<0.00102	<0.00102	<0.00102		<0.00102
9/14/2021	<0.00102	<0.00102				
9/15/2021			<0.00102	<0.00102	<0.00102	<0.00102
3/15/2022					<0.00102	
3/16/2022			<0.00102	<0.00102		<0.00102
3/17/2022	<0.00102	<0.00102				
9/14/2022					<0.00102	<0.00102
9/21/2022		<0.00102	<0.00102	<0.00102		
9/26/2022	<0.00102					

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			<0.00102		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021	<0.00102					<0.00102
9/8/2021						<0.00102
9/13/2021		<0.00102	<0.00102	<0.00102		
9/14/2021	<0.00102				<0.00102	
3/9/2022					<0.00102	
3/14/2022	<0.00102	<0.00102				<0.00102
3/16/2022			<0.00102	<0.00102		
9/19/2022			<0.00102			
9/20/2022		<0.00102		<0.00102		<0.00102
9/21/2022	<0.00102				<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.00102	<0.00102
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						<0.00102
4/29/2019					<0.00102	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	<0.00102			<0.00102		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				<0.00102		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				<0.00102		
5/5/2021		<0.00102			<0.00102	<0.00102
9/7/2021		<0.00102			<0.00102	<0.00102
9/13/2021	<0.00102		<0.00102			
9/15/2021				<0.00102		
3/8/2022		<0.00102				
3/9/2022	<0.00102					
3/16/2022			<0.00102		<0.00102	<0.00102
3/17/2022				<0.00102		
9/14/2022			<0.00102			
9/19/2022	<0.00102	<0.00102			<0.00102	<0.00102
9/27/2022				<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	<0.00102					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	<0.00102			<0.00102		
1/10/2017			<0.00102			
2/13/2017	<0.00102			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	<0.00102					
5/16/2017	<0.00102			<0.00102		
5/17/2017			<0.00102			
6/12/2017	<0.00102		<0.00102	<0.00102		
1/29/2018	<0.00102					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		<0.00102			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	<0.00102	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	<0.00102	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	<0.00102	
5/3/2021			<0.00102			
9/1/2021	<0.00102	<0.00102		<0.00102		<0.00102
9/8/2021			<0.00102		<0.00102	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	<0.00102				
3/16/2022				<0.00102	<0.00102	
9/20/2022			<0.00102			<0.00102
9/21/2022				<0.00102		
9/26/2022	<0.00102	<0.00102			<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				<0.00102
2/13/2017				<0.00102
4/3/2017				<0.00102
5/17/2017				<0.00102
6/12/2017				<0.00102
2/1/2018				<0.00102
5/9/2018				<0.00102
10/8/2018				<0.00102
4/23/2019				<0.00102
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	<0.00102	<0.00102	<0.00102	
5/3/2021				<0.00102
9/1/2021	<0.00102	<0.00102	<0.00102	
9/8/2021				<0.00102
3/8/2022	<0.00102	<0.00102	<0.00102	
3/14/2022				<0.00102
9/20/2022	<0.00102			<0.00102
9/21/2022		<0.00102	<0.00102	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0978 (J)	3.36	0.0282 (J)
8/2/2016	0.1					
8/3/2016			0.0239 (J)			
9/20/2016	0.1					
9/21/2016			0.1			
9/26/2016				0.0625 (J)		
9/27/2016					3.18	0.0253 (J)
10/25/2016	0.1		0.1			
10/31/2016					3.32	
11/1/2016						0.0266 (J)
11/2/2016				0.067 (J)		
12/13/2016	0.1		0.1			
1/11/2017				0.0588 (J)	3.05	
1/12/2017						0.0268 (J)
2/6/2017			0.1			
2/8/2017	0.1					
2/13/2017				0.0561 (J)		0.0263 (J)
2/14/2017					2.87	
3/28/2017			0.1			
3/29/2017	0.1					
4/3/2017				0.0631 (J)		
4/4/2017						0.0252 (J)
4/6/2017					2.87	
4/24/2017			0.1			
4/26/2017	0.1					
5/15/2017				0.0636 (J)		
5/16/2017						0.0319 (J)
5/17/2017					2.71	
6/7/2017	<0.1015		<0.1015			
6/13/2017					2.67	
6/14/2017				0.0603 (J)		0.026 (J)
8/21/2017			<0.1015			
8/22/2017	<0.1015					
9/19/2017				0.0559 (J)		0.0253 (J)
9/21/2017					3.08	
5/8/2018						<0.1015
5/9/2018				0.0437 (J)		
5/10/2018					3.04	
5/15/2018	<0.1015		<0.1015			
10/8/2018					3.46	
10/9/2018				0.0559 (J)		0.0262 (J)
10/16/2018			<0.1015			
10/17/2018	<0.1015					
2/20/2019		0.0337 (J)				
4/16/2019	<0.1015		<0.1015			
4/24/2019					3.61	
5/1/2019				<0.1015		<0.1015
8/27/2019				0.0869 (J)		
8/28/2019						<0.1015
8/29/2019					4.1	
9/24/2019		0.0532 (J)	<0.1015			
3/3/2020						0.0308 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0747 (J)	4.7	
3/18/2020			<0.1015			
3/25/2020		0.0482 (J)				
9/21/2020			<0.1015			
9/23/2020		0.0478 (J)				
10/19/2020				0.0512 (J)	4.44	
10/20/2020						0.0357 (J)
2/2/2021		0.0396 (J)	<0.1015			
4/20/2021				0.0653 (J)		
4/21/2021						<0.1015
5/3/2021					4.45	
8/2/2021		0.0368 (J)				
8/10/2021			<0.1015			
9/8/2021				0.0505 (J)		
9/14/2021						<0.1015
9/15/2021					4.8	
2/14/2022		0.0386 (J)				
2/16/2022			<0.1015			
3/15/2022				0.0528 (J)		
3/16/2022						0.0357 (J)
3/17/2022					5.81	
8/2/2022			<0.1015			
8/9/2022		0.0418 (J)				
9/19/2022				0.0597 (J)		
9/20/2022						0.0457 (J)
9/26/2022					7.39	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.15	2.86
7/20/2016	2.36					
9/26/2016					0.175	2.86
9/27/2016	2.14					
10/31/2016					0.204	3.25
11/1/2016	2.21					
1/9/2017					0.192	2.71
1/11/2017	2.04					
2/14/2017					0.161	2.39
2/15/2017	2.12					
4/3/2017						1.86
4/4/2017	2.51				0.147	
5/15/2017	2.54					
5/16/2017					0.168	2.67
6/12/2017					0.18	2.81
6/14/2017	2.83					
9/19/2017					0.192	3
9/21/2017	3.76					
5/7/2018					0.258	2.83
5/8/2018	5.61					
10/8/2018	6.35					
10/9/2018					0.237	2.85
4/24/2019					0.243	2.41
8/28/2019	7.06				0.863	3.18
3/3/2020						1.29
3/4/2020					0.285	
3/10/2020	7.52					
10/13/2020					0.375	2.62
10/19/2020	7.42					
10/20/2020		0.0304 (J)	0.0541 (J)	0.0773 (J)		
4/21/2021		0.0561 (J)	0.0404 (J)	0.101 (J)		2.63
4/26/2021					0.651	
5/5/2021	8.01					
9/1/2021					0.705	2.16
9/7/2021	7.19	0.0476 (J)	0.0429 (J)			
9/13/2021				0.0837 (J)		
3/8/2022						2.13
3/9/2022		0.0558 (J)	0.0421 (J)	0.081 (J)	0.445	
3/17/2022	7.07					
9/19/2022		0.0532 (J)	0.0418 (J)			
9/20/2022					1.78	2.77
9/26/2022	4.96			0.0756 (J)		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.0922 (J)		
9/28/2016				0.126		
11/1/2016				0.0959 (J)		
1/11/2017				0.0976 (J)		
2/14/2017				0.147		
4/4/2017				0.121		
5/16/2017				0.167		
6/14/2017				0.159		
9/20/2017				0.148		
5/9/2018				0.145		
10/9/2018				0.15		
3/6/2019	0.0571 (J)	0.178			0.699	0.641
5/1/2019				0.24		
8/27/2019	0.0898 (J)	0.299		0.192		
9/3/2019					0.751	0.61
3/3/2020				0.167		
3/9/2020			0.132			
3/10/2020	0.0538 (J)	0.151			0.759	0.633
10/13/2020	0.0857 (J)	0.302				
10/14/2020			0.167			
10/19/2020					0.724	0.615
10/21/2020				0.316		
4/20/2021			0.193			
4/26/2021				0.173		
4/28/2021					0.735	
5/3/2021						0.562
5/5/2021	0.145	0.237				
9/7/2021	0.0842 (J)					
9/8/2021					0.741	0.557
9/13/2021			0.159			
9/14/2021		0.289		0.188		
3/8/2022	0.0797 (J)	0.194				
3/9/2022			0.158		0.759	0.491
3/16/2022				0.165		
9/14/2022	0.108		0.161			
9/21/2022		0.257			0.756	0.4
9/26/2022				0.153		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.0619 (J)					
8/28/2019	0.0879 (J)					
3/9/2020	0.101				0.756	
10/13/2020	0.0973 (J)					
10/14/2020				0.134	0.762	0.706
10/20/2020			0.173			
10/26/2020		0.149				
4/20/2021			0.135	0.0628 (J)		
4/27/2021		0.17				0.694
4/28/2021	0.0976 (J)					
5/5/2021					0.765	
6/16/2021		0.171	0.134	0.0677 (J)		0.697
9/14/2021	0.0892 (J)	0.153				
9/15/2021			0.122	0.062 (J)	0.736	0.673
3/15/2022					0.709	
3/16/2022			0.121	0.0672 (J)		0.668
3/17/2022	0.089 (J)	0.153				
9/14/2022					0.714	0.633
9/21/2022		0.157	0.114	0.0663 (J)		
9/26/2022	0.0869 (J)					

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.608
3/9/2020		0.119				
3/10/2020			0.0912 (J)		<0.1015	
10/14/2020						0.738
10/15/2020					<0.1015	
10/19/2020		0.608				
10/20/2020			0.0673 (J)			
10/26/2020	<0.1015					
10/27/2020				0.0341 (J)		
4/20/2021		0.212				
4/21/2021			0.0481 (J)			
4/27/2021				0.0315 (J)		
4/28/2021					<0.1015	
5/3/2021	<0.1015					0.695
9/8/2021						0.776
9/13/2021		0.289	0.0312 (J)	0.0315 (J)		
9/14/2021	<0.1015				<0.1015	
3/9/2022					<0.1015	
3/14/2022	<0.1015	0.292				0.715
3/16/2022			0.0394 (J)	0.0311 (J)		
9/19/2022			0.0334 (J)			
9/20/2022		0.261		0.0368 (J)		0.92
9/21/2022	<0.1015				<0.1015	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.527	0.195
9/26/2016					0.54	0.179
10/31/2016					0.586	0.19
1/9/2017					0.584	0.196
2/13/2017					0.567	0.187
4/3/2017					0.527	0.192
5/16/2017					0.477	0.178
6/12/2017					0.491	0.181
9/20/2017					0.505	0.188
5/10/2018					0.425	0.183
10/9/2018					0.471	0.202
4/22/2019						0.183 (J)
4/29/2019					0.407	
8/27/2019					0.443	0.209
3/3/2020					0.422	0.217
3/9/2020	0.148			0.0385 (J)		
3/10/2020		<0.1015				
10/13/2020		<0.1015			0.492	0.271
10/19/2020				<0.1015		
10/21/2020	0.16					
10/27/2020			0.0966 (J)			
4/21/2021	0.178		0.115			
5/3/2021				<0.1015		
5/5/2021		<0.1015			0.451	0.281
9/7/2021		<0.1015			0.499	0.276
9/13/2021	0.144		0.122			
9/15/2021				<0.1015		
3/8/2022		<0.1015				
3/9/2022	0.107					
3/16/2022			0.132		0.428	0.276
3/17/2022				<0.1015		
9/14/2022			0.112			
9/19/2022	0.12	<0.1015			0.389	0.272
9/27/2022				<0.1015		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.496					
7/26/2016			0.873	0.835		
9/27/2016	0.514					
9/28/2016			0.857	0.807		
11/1/2016	0.571			0.838		
11/2/2016			0.909			
1/9/2017	0.572			0.848		
1/10/2017			0.915			
2/13/2017	0.565			0.869		
2/14/2017			0.932			
4/3/2017			0.932	0.881		
4/4/2017	0.536					
5/16/2017	0.482			0.81		
5/17/2017			0.953			
6/12/2017	0.478		0.854	0.832		
9/18/2017			0.921	0.864		
9/20/2017	0.506					
5/9/2018	0.433		0.851	0.878		
10/8/2018	0.503		0.833	0.905		
3/5/2019		0.357			0.753	
4/23/2019			0.849	0.862		
4/29/2019	0.444					
8/27/2019	0.495	0.51				
8/28/2019			0.852	0.906	0.379	
3/2/2020			0.851			
3/3/2020				0.895	0.431	
3/4/2020	0.431	0.303				
10/14/2020	0.46	0.483				
10/19/2020					0.437	
10/20/2020				0.947		0.745
10/21/2020			0.847			
4/26/2021	0.412	0.382				
4/27/2021						0.758
4/28/2021				0.923	0.472	
5/3/2021			0.864			
9/1/2021	0.46	0.452		0.918		0.768
9/8/2021			0.843		0.561	
3/8/2022						0.759
3/14/2022			0.864			
3/15/2022	0.423	0.642				
3/16/2022				0.887	0.499	
9/20/2022			0.915			0.767
9/21/2022				0.851		
9/26/2022	0.36	0.855			0.455	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.434
9/28/2016				0.454
11/2/2016				0.46
1/12/2017				0.471
2/13/2017				0.473
4/3/2017				0.424
5/17/2017				0.462
6/12/2017				0.418
9/18/2017				0.428
5/9/2018				0.406
10/8/2018				0.42
4/23/2019				0.372
8/29/2019				0.319
3/2/2020				0.328
10/15/2020		<0.1015	0.11	
10/20/2020	0.726			
10/21/2020				0.328
4/27/2021	0.708	<0.1015	0.138	
5/3/2021				0.271
9/1/2021	0.72	<0.1015	0.144	
9/8/2021				0.271
3/8/2022	0.711	<0.1015	0.117	
3/14/2022				0.245
9/20/2022	0.695			0.251
9/21/2022		0.24	0.0905 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	<0.0002	<0.0002
8/2/2016	0.001					
8/3/2016			0.001			
9/20/2016	0.001					
9/21/2016			0.001			
9/26/2016				<0.0002		
9/27/2016					<0.0002	<0.0002
10/25/2016	0.001		0.001			
10/31/2016					<0.0002	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	0.001		0.001			
1/11/2017				<0.0002	<0.0002	
1/12/2017						<0.0002
2/6/2017			0.001			
2/8/2017	0.001					
2/13/2017				<0.0002		<0.0002
2/14/2017					<0.0002	
3/28/2017			0.001			
3/29/2017	0.001					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					<0.0002	
4/24/2017			0.001			
4/26/2017	0.001					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					<0.0002	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				0.000372 (J)		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		<0.0002				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	<0.0002			
4/20/2021				<0.0002		
4/21/2021						<0.0002
5/3/2021					<0.0002	
8/2/2021		<0.0002				
8/10/2021			<0.0002			
9/8/2021				<0.0002		
9/14/2021						<0.0002
9/15/2021					<0.0002	
2/14/2022		<0.0002				
2/16/2022			<0.0002			
3/15/2022				<0.0002		
3/16/2022						<0.0002
3/17/2022					9E-05 (J)	
8/2/2022			<0.0002			
8/9/2022		<0.0002				
9/19/2022				<0.0002		
9/20/2022						<0.0002
9/26/2022					9.8E-05 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.000222 (J)
7/20/2016	<0.0002					
9/26/2016					<0.0002	0.000208 (J)
9/27/2016	<0.0002					
10/31/2016					<0.0002	<0.0002
11/1/2016	<0.0002					
1/9/2017					<0.0002	<0.0002
1/11/2017	<0.0002					
2/14/2017					<0.0002	<0.0002
2/15/2017	<0.0002					
4/3/2017						<0.0002
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	<0.0002					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	<0.0002
10/19/2020	<0.0002					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		<0.0002	<0.0002	<0.0002		<0.0002
4/26/2021					<0.0002	
5/5/2021	9.27E-05 (J)					
9/1/2021					<0.0002	<0.0002
9/7/2021	0.00012 (J)	<0.0002	<0.0002			
9/13/2021				<0.0002		
3/8/2022						<0.0002
3/9/2022		<0.0002	0.0001 (J)	<0.0002	<0.0002	
3/17/2022	0.00016 (J)					
9/19/2022		<0.0002	0.000378			
9/20/2022					<0.0002	<0.0002
9/26/2022	<0.0002			<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				0.000219 (J)		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				<0.0002		
4/4/2017				<0.0002		
5/16/2017				<0.0002		
6/14/2017				<0.0002		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	<0.0002		<0.0002		
9/3/2019					<0.0002	<0.0002
3/3/2020				<0.0002		
3/9/2020			<0.0002			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				<0.0002		
4/20/2021			<0.0002			
4/26/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021						<0.0002
5/5/2021	<0.0002	<0.0002				
9/7/2021	<0.0002					
9/8/2021					<0.0002	<0.0002
9/13/2021			<0.0002			
9/14/2021		<0.0002		<0.0002		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		<0.0002	<0.0002
3/16/2022				<0.0002		
9/14/2022	<0.0002		<0.0002			
9/21/2022		<0.0002			<0.0002	<0.0002
9/26/2022				<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				<0.0002
4/28/2021	<0.0002					
5/5/2021					<0.0002	
6/16/2021		<0.0002	<0.0002	<0.0002		<0.0002
9/14/2021	<0.0002	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	<0.0002
3/15/2022					<0.0002	
3/16/2022			<0.0002	<0.0002		<0.0002
3/17/2022	<0.0002	<0.0002				
9/14/2022					<0.0002	<0.0002
9/21/2022		<0.0002	<0.0002	<0.0002		
9/26/2022	<0.0002					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0002
3/9/2020		<0.0002				
3/10/2020			<0.0002		<0.0002	
10/14/2020						<0.0002
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		<0.0002				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021	<0.0002					<0.0002
9/8/2021						<0.0002
9/13/2021		<0.0002	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					<0.0002	
3/14/2022	<0.0002	<0.0002				<0.0002
3/16/2022			<0.0002	<0.0002		
9/19/2022			<0.0002			
9/20/2022		<0.0002		<0.0002		<0.0002
9/21/2022	<0.0002				<0.0002	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0002	<0.0002
9/26/2016					<0.0002	<0.0002
10/31/2016					<0.0002	<0.0002
1/9/2017					<0.0002	<0.0002
2/13/2017					<0.0002	<0.0002
4/3/2017					<0.0002	<0.0002
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
1/29/2018					<0.0002	<0.0002
5/10/2018					<0.0002	<0.0002
10/9/2018					<0.0002	<0.0002
4/22/2019						<0.0002
4/29/2019					<0.0002	
8/27/2019					<0.0002	<0.0002
3/3/2020					<0.0002	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			<0.0002	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		<0.0002			
5/3/2021				<0.0002		
5/5/2021		<0.0002			<0.0002	<0.0002
9/7/2021		<0.0002			<0.0002	<0.0002
9/13/2021	<0.0002		<0.0002			
9/15/2021				<0.0002		
3/8/2022		<0.0002				
3/9/2022	<0.0002					
3/16/2022			<0.0002		<0.0002	<0.0002
3/17/2022				<0.0002		
9/14/2022			<0.0002			
9/19/2022	<0.0002	<0.0002			<0.0002	<0.0002
9/27/2022				<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.000302 (J)					
7/26/2016			<0.0002	<0.0002		
9/27/2016	0.00021 (J)					
9/28/2016			<0.0002	<0.0002		
11/1/2016	0.000239 (J)			<0.0002		
11/2/2016			<0.0002			
1/9/2017	0.000248 (J)			<0.0002		
1/10/2017			<0.0002			
2/13/2017	0.00031 (J)			<0.0002		
2/14/2017			<0.0002			
4/3/2017			<0.0002	<0.0002		
4/4/2017	0.000241 (J)					
5/16/2017	0.000266 (J)			<0.0002		
5/17/2017			<0.0002			
6/12/2017	0.000272 (J)		<0.0002	<0.0002		
1/29/2018	<0.0002					
2/1/2018			<0.0002	<0.0002		
5/9/2018	<0.0002		<0.0002	<0.0002		
10/8/2018	<0.0002		<0.0002	<0.0002		
3/5/2019		<0.0002			<0.0002	
4/23/2019			<0.0002	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	<0.0002				
8/28/2019			<0.0002	<0.0002	<0.0002	
3/2/2020			<0.0002			
3/3/2020				<0.0002	<0.0002	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					<0.0002	
10/20/2020				<0.0002		<0.0002
10/21/2020			<0.0002			
4/26/2021	7.3E-05 (J)	<0.0002				
4/27/2021						<0.0002
4/28/2021				<0.0002	<0.0002	
5/3/2021			<0.0002			
9/1/2021	8E-05 (J)	<0.0002		<0.0002		<0.0002
9/8/2021			<0.0002		<0.0002	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	<0.0002	<0.0002				
3/16/2022				<0.0002	<0.0002	
9/20/2022			<0.0002			<0.0002
9/21/2022				<0.0002		
9/26/2022	<0.0002	<0.0002			<0.0002	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	<0.0002	<0.0002	<0.0002	
5/3/2021				<0.0002
9/1/2021	<0.0002	<0.0002	<0.0002	
9/8/2021				<0.0002
3/8/2022	<0.0002	<0.0002	<0.0002	
3/14/2022				<0.0002
9/20/2022	<0.0002			<0.0002
9/21/2022		<0.0002	<0.0002	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				153	132	164
8/2/2016	47.2					
8/3/2016			6.85			
9/20/2016	46.3					
9/21/2016			11.7			
9/26/2016				122		
9/27/2016					127	164
10/25/2016	46.6		10.8			
10/31/2016					122	
11/1/2016						158
11/2/2016				114		
12/13/2016	43.1		5.86			
1/11/2017				112	124	
1/12/2017						163
2/6/2017			9.76			
2/8/2017	47.5					
2/13/2017				132		166
2/14/2017					125	
3/28/2017			5.28			
3/29/2017	46.8					
4/3/2017				168		
4/4/2017						166
4/6/2017					125	
4/24/2017			6.89			
4/26/2017	48.1					
5/15/2017				104		
5/16/2017						160
5/17/2017					124	
6/7/2017	44.4		3.58			
6/13/2017					129	
6/14/2017				122		166
8/21/2017			3.38			
8/22/2017	42.9					
9/19/2017				98.6		165
9/21/2017					133	
3/27/2018				105		166
3/28/2018					143	
5/8/2018						132
5/9/2018				141		
5/10/2018					132	
5/15/2018	44.3		4.25			
10/8/2018					164	
10/9/2018				94.1		121
10/16/2018			3.21			
10/17/2018	41.8					
2/20/2019		30.6				
4/16/2019	38.6		4.43			
4/24/2019					201	
5/1/2019				47.9		136
8/27/2019				165		
8/28/2019						138
8/29/2019					178	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/24/2019		29.7	7.24			
3/3/2020						179
3/9/2020				126	222	
3/18/2020			4.51			
3/25/2020		31.1				
9/21/2020			5.19			
9/23/2020		29.3				
10/19/2020				32.6	149	
10/20/2020						151
2/2/2021		31.8	4.35			
4/20/2021				36.2		
4/21/2021						148
5/3/2021					165	
8/2/2021		33				
8/10/2021			4.47			
9/8/2021				78.8		
9/14/2021						147
9/15/2021					152	
2/14/2022		30.1				
2/16/2022			4.42			
3/15/2022				98.1		
3/16/2022						173
3/17/2022					76.4	
8/2/2022			5.28			
8/9/2022		31.4				
9/19/2022				182		
9/20/2022						209
9/26/2022					184	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					37	185
7/20/2016	178					
9/26/2016					37.5	189
9/27/2016	165					
10/31/2016					38.4	163
11/1/2016	160					
1/9/2017					37.8	214
1/11/2017	170					
2/14/2017					39.2	237
2/15/2017	173					
4/3/2017						159
4/4/2017	167				37.5	
5/15/2017	169					
5/16/2017					40.4	154
6/12/2017					38.4	146
6/14/2017	177					
9/19/2017					37.8	136
9/21/2017	171					
3/28/2018	177				37.7	136
5/7/2018					38.4	129
5/8/2018	173					
10/8/2018	174					
10/9/2018					38.2	211
4/24/2019					39	139
8/28/2019	152				53.8	99.5
3/3/2020						66.8
3/4/2020					39.3	
3/10/2020	138					
10/13/2020					41.4	96.9
10/19/2020	115					
10/20/2020		46.7	35.9	36.4		
4/21/2021		63.9	98.6	35.7		99.3
4/26/2021					48.3 (RA)	
5/5/2021	107 (RA)					
9/1/2021					47.8	130
9/7/2021	128	64.9	105			
9/13/2021				38		
3/8/2022						154
3/9/2022		73	96.8	36.6	39.1	
3/17/2022	102					
9/19/2022		77.5	81.400002			
9/20/2022					84.599998	142
9/26/2022	80.699997			37.5		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				209		
9/28/2016				240		
11/1/2016				213		
1/11/2017				218		
2/14/2017				244		
4/4/2017				234		
5/16/2017				241		
6/14/2017				241		
9/20/2017				235		
3/27/2018				250		
5/9/2018				246		
10/9/2018				272		
3/6/2019	47	4.86			266	179
5/1/2019				272		
8/27/2019	48.3	16		251		
9/3/2019					240	161
3/3/2020				278		
3/9/2020			5.28			
3/10/2020	50.6	2.15			226	157
10/13/2020	44.6	17.7				
10/14/2020			8			
10/19/2020					201	145
10/21/2020				212		
4/20/2021			10.1			
4/26/2021				252		
4/28/2021					191	
5/3/2021						133
5/5/2021	43.7	12.5				
9/7/2021	43.2					
9/8/2021					207	130
9/13/2021			6			
9/14/2021		15.1		226		
3/8/2022	41.7	3.72				
3/9/2022			8.95		191	115
3/16/2022				239		
9/14/2022	37.599998		23.799999			
9/21/2022		8.78			247	130
9/26/2022				208		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	60.1					
8/28/2019	63.5					
3/9/2020	52.4				128	
10/13/2020	51.7					
10/14/2020				46.6	123	118
10/20/2020			8.61			
10/26/2020		49.7				
4/20/2021			3.66	79		
4/27/2021		58.1				125
4/28/2021	55.5					
5/5/2021					134	
6/16/2021		64.5	3.4	97.6		138
9/14/2021	56.7	64.2				
9/15/2021			2.74	97.9	128	129
3/15/2022					117	
3/16/2022			2.66	97.5		128
3/17/2022	54.6	71.2				
9/14/2022					147	131
9/21/2022		66.900002	2.98	127		
9/26/2022	63.799999					

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						214
3/9/2020		56.9				
3/10/2020			207		51.1	
10/14/2020						244
10/15/2020					49.5	
10/19/2020		63.6				
10/20/2020			228			
10/26/2020	47.2					
10/27/2020				130		
4/20/2021		49.8				
4/21/2021			229			
4/27/2021				131		
4/28/2021					58.5	
5/3/2021	48.8					248
9/8/2021						258
9/13/2021		58.3	223	130		
9/14/2021	47.2				58.7	
3/9/2022					53.6	
3/14/2022	44.5	50.6				225
3/16/2022			198	129		
9/19/2022			241			
9/20/2022		59		155		280
9/21/2022	51.400002				71.400002	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					296	5.63
9/26/2016					269	4.28
10/31/2016					266	4.04
1/9/2017					282	4.15
2/13/2017					268	4.38
4/3/2017					282	4.45
5/16/2017					234	4.23
6/12/2017					232	4.14
9/20/2017					211	3.88
3/27/2018					191	3.4
5/10/2018					219	3.79
10/9/2018					242	3.78
4/22/2019						16.8
4/29/2019					186	
8/27/2019					189	9.68
3/3/2020					170	9.94
3/9/2020	21.1			41.7		
3/10/2020		57.5				
10/13/2020		64.9			162	6.81
10/19/2020				38.9 (RA)		
10/21/2020	24.6					
10/27/2020			10.9			
4/21/2021	28.1		23.8			
5/3/2021				40.1		
5/5/2021		61.5			153	7.04
9/7/2021		63.3			158	6.69
9/13/2021	20.2		31.2			
9/15/2021				39.6		
3/8/2022		61.6				
3/9/2022	12.9					
3/16/2022			32.6		116	5.38
3/17/2022				38.2		
9/14/2022			32.099998			
9/19/2022	13.3	71.800003			145	4.9
9/27/2022				36.599998		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	333					
7/26/2016			315	135		
9/27/2016	320					
9/28/2016			324	141		
11/1/2016	305			137		
11/2/2016			305			
1/9/2017	329			140		
1/10/2017			319			
2/13/2017	291			141		
2/14/2017			341			
4/3/2017			329	141		
4/4/2017	287					
5/16/2017	279			145		
5/17/2017			296			
6/12/2017	258		263	144		
9/18/2017			292	144		
9/20/2017	249					
3/27/2018	226		267	154		
5/9/2018	212		265	150		
10/8/2018	245		290	150		
3/5/2019		229			181	
4/23/2019			330	167		
4/29/2019	271					
8/27/2019	252	252				
8/28/2019			279	148	89.2	
3/2/2020			267			
3/3/2020				155	103	
3/4/2020	210	146				
10/14/2020	194	193				
10/19/2020					96.4	
10/20/2020				148		121
10/21/2020			242			
4/26/2021	193	178				
4/27/2021						125
4/28/2021				172	97.3	
5/3/2021			249			
9/1/2021	213	205		160		126
9/8/2021			239		110	
3/8/2022						124
3/14/2022			228			
3/15/2022	159	226				
3/16/2022				160	99.9	
9/20/2022			251			145
9/21/2022				189		
9/26/2022	180	297			109	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				52.8
9/28/2016				246.4
11/2/2016				61.3
1/12/2017				47.7
2/13/2017				54
4/3/2017				28.7
5/17/2017				26.7
6/12/2017				26.3
9/18/2017				20.2
3/27/2018				13.9
5/9/2018				13.8
10/8/2018				11.1
4/23/2019				11.9
8/29/2019				14.2
3/2/2020				10.3
10/15/2020		98.7	99.8	
10/20/2020	92.8			
10/21/2020				7.36
4/27/2021	89.7	97.8	96.5	
5/3/2021				9.36
9/1/2021	92.1	95.5	96.8	
9/8/2021				7.63
3/8/2022	91.2	86.5	99.1	
3/14/2022				6.95
9/20/2022	110			6.51
9/21/2022		219	149	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				14.1	6.41	8.3
8/2/2016	2.91					
8/3/2016			3.21			
9/20/2016	2.94					
9/21/2016			2.95			
9/26/2016				13.3		
9/27/2016					6.3	7.94
10/25/2016	2.94		3.03			
10/31/2016					6.36	
11/1/2016						7.32
11/2/2016				12.1		
12/13/2016	2.93		3.21			
1/11/2017				11.6	6.65	
1/12/2017						6.29
2/6/2017			3			
2/8/2017	2.85					
2/13/2017				14		9.1
2/14/2017					9.2	
3/28/2017			3.3 (D)			
3/29/2017	3.4 (D)					
4/3/2017				11		
4/4/2017						7
4/6/2017					8	
4/24/2017			3.8 (D)			
4/26/2017	3.7 (D)					
5/15/2017				13		
5/16/2017						7.1
5/17/2017					8.1	
6/7/2017	3.3		3.5			
6/13/2017					8.1	
6/14/2017				13		7.9
8/21/2017			3.6			
8/22/2017	3.4					
9/19/2017				13		6.8
9/21/2017					7.7	
3/27/2018				13		5.7
3/28/2018					7	
5/8/2018						7.3
5/9/2018				11		
5/10/2018					7.4	
5/15/2018	3.2		3.3			
10/8/2018					7.4	
10/9/2018				12		6.5
10/16/2018			3.3			
10/17/2018	2.3					
2/20/2019		3.56				
4/16/2019	3.23		3.69			
4/24/2019					7.66	
5/1/2019				15		6.46
8/27/2019				8.75		
8/28/2019						6.4
8/29/2019					6.65	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/24/2019		3.69	3.21			
3/3/2020						6.2
3/9/2020				19.6	7.47	
3/18/2020			4.35			
3/25/2020		3.72				
9/21/2020			3.22			
9/23/2020		3.74				
10/19/2020				16	6.03	
10/20/2020						6.33
2/2/2021		3.49	3.85			
4/20/2021				12.9		
4/21/2021						5.99
5/3/2021					6.38	
8/2/2021		3.12				
8/10/2021			4.04			
9/8/2021				10.8		
9/14/2021						6.33
9/15/2021					6.39	
2/14/2022		3.26				
2/16/2022			4.42			
3/15/2022				10.4		
3/16/2022						7.08
3/17/2022					4.75	
8/2/2022			4.35			
8/9/2022		3.09				
9/19/2022				9.01		
9/20/2022						7.52
9/26/2022					8.6	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					16.9	24.9
7/20/2016	8.05					
9/26/2016					17.1	29.2
9/27/2016	8.37					
10/31/2016					17.3	25.9
11/1/2016	8.62					
1/9/2017					17.2	31.7
1/11/2017	8.33					
2/14/2017					20	43
2/15/2017	9.9					
4/3/2017						25
4/4/2017	9.5				19	
5/15/2017	8.1					
5/16/2017					20	21
6/12/2017					21	23
6/14/2017	8					
9/19/2017					19	19
9/21/2017	7.7					
3/28/2018	6.5				19	16
5/7/2018					20	16
5/8/2018	6.8					
10/8/2018	6.9					
10/9/2018					20	24
4/24/2019					18.3	11.9
8/28/2019	7.27				19.3	10.8
3/3/2020						5.33
3/4/2020					18.5	
3/10/2020	7.52					
10/13/2020					17.5	10
10/19/2020	7.33					
10/20/2020		13.8	10.6	7.55		
4/21/2021		40.5	5.3	7.77		10.3
4/26/2021					17.9	
5/5/2021	8.01					
9/1/2021					17.5	6.87
9/7/2021	8.14	40.2	4.94			
9/13/2021				7.9		
3/8/2022						7.81
3/9/2022		45.8	4.71	7.96	17.6	
3/17/2022	8.05					
9/19/2022		45	4.02			
9/20/2022					17.700001	11.4
9/26/2022	7.51			7.67		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				5.13		
9/28/2016				4		
11/1/2016				4.99		
1/11/2017				6.72		
2/14/2017				7.4		
4/4/2017				8.3		
5/16/2017				6.6		
6/14/2017				6		
9/20/2017				8.3		
3/27/2018				8.7		
5/9/2018				8.7		
10/9/2018				8		
3/6/2019	6.27	8.61			44.5	38.1
5/1/2019				5.04		
8/27/2019	6.42	58.9		7.95		
9/3/2019					43.8	36.8
3/3/2020				8.59		
3/9/2020			26.3			
3/10/2020	4.72	5.53			44.2	38.9
10/13/2020	6.09	22.7				
10/14/2020			120			
10/19/2020					38.6	35.4
10/21/2020				9.47		
4/20/2021			250			
4/26/2021				9.31		
4/28/2021					34	
5/3/2021						34.4
5/5/2021	9.16	14.9				
9/7/2021	6.45					
9/8/2021					33.4	35.4
9/13/2021			138			
9/14/2021		14.1		5.88		
3/8/2022	6.06	5.42				
3/9/2022			165		27.6	33.8
3/16/2022				6.88		
9/14/2022	7.92		288			
9/21/2022		12.1			25.799999	32.400002
9/26/2022				5.2		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	9.18					
8/28/2019	9.75					
3/9/2020	14.6				2430	
10/13/2020	14.4					
10/14/2020				163	2440	2510
10/20/2020			247			
10/26/2020		2140				
4/20/2021			79.8	91.2		
4/27/2021		2190				2510
4/28/2021	14.4					
5/5/2021					2670	
6/16/2021		2390	85.8	128		2740
9/14/2021	6.73	2650				
9/15/2021			62.1	112	2940	2640
3/15/2022					2450	
3/16/2022			47.3	127		2520
3/17/2022	11.1	2660				
9/14/2022					2800	2570
9/21/2022		2780	96.900002	127		
9/26/2022	10					

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						33.9
3/9/2020		5.26				
3/10/2020			117		5.73	
10/14/2020						38.7
10/15/2020					4.47	
10/19/2020		5.22				
10/20/2020			149			
10/26/2020	14.1					
10/27/2020				12.5		
4/20/2021		5.58				
4/21/2021			131			
4/27/2021				11.5		
4/28/2021					7.94	
5/3/2021	16					33.4
9/8/2021						30.3
9/13/2021		6.4	81.7	13.1		
9/14/2021	15.6				7.41	
3/9/2022					8.5	
3/14/2022	15.5	5.91				24.3
3/16/2022			99.5	14.1		
9/19/2022			90			
9/20/2022		7.21		43.200001		24.1
9/21/2022	16.5				7.96	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					52.7	25
9/26/2016					50.6	23.6
10/31/2016					52.6	24.4
1/9/2017					51.4	24.3
2/13/2017					56	28
4/3/2017					55	31
5/16/2017					55	31
6/12/2017					57	32
9/20/2017					43	30
3/27/2018					38	33
5/10/2018					37	34
10/9/2018					41	32
4/22/2019						242
4/29/2019					40.7	
8/27/2019					34.7	145
3/3/2020					29.1	177
3/9/2020	159			10.7		
3/10/2020		2.26				
10/13/2020		1.91			25.9	96.3
10/19/2020				10.3		
10/21/2020	199					
10/27/2020			66.6			
4/21/2021	273		274			
5/3/2021				10.7		
5/5/2021		2.57			21	76.5
9/7/2021		2.13			21.2	78.6
9/13/2021	216		406			
9/15/2021				10.6		
3/8/2022		2.2				
3/9/2022	161					
3/16/2022			471		15	79.4
3/17/2022				10.9		
9/14/2022			439			
9/19/2022	143	2.57			13.3	70.900002
9/27/2022				10.8		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	40.8					
7/26/2016			39.1	24.8		
9/27/2016	47.1					
9/28/2016			40.9	24.9		
11/1/2016	49.7			26		
11/2/2016			44.1			
1/9/2017	48.8			25.1		
1/10/2017			45.2			
2/13/2017	46			28		
2/14/2017			44			
4/3/2017			48	29		
4/4/2017	50					
5/16/2017	50			30		
5/17/2017			53			
6/12/2017	52		53	31		
9/18/2017			45	29		
9/20/2017	45					
3/27/2018	40		45	32		
5/9/2018	39		45	32		
10/8/2018	41		44	33		
3/5/2019		26.7			27.8	
4/23/2019			43.3	33		
4/29/2019	42.4					
8/27/2019	42.3	44.5				
8/28/2019			47.1	32.5	18.9	
3/2/2020			42.1			
3/3/2020				35.3	23.6	
3/4/2020	40.1	24.3				
10/14/2020	30.8	35.2				
10/19/2020					25	
10/20/2020				34		43.2
10/21/2020			35.8			
4/26/2021	24.8	23.6				
4/27/2021						51
4/28/2021				36.7	24.3	
5/3/2021			31.1			
9/1/2021	24.6	24.9		34		54.7
9/8/2021			28.7		34.3	
3/8/2022						54.3
3/14/2022			26.1			
3/15/2022	19	23.7				
3/16/2022				33.2	27.7	
9/20/2022			23.1			61.599998
9/21/2022				31.9		
9/26/2022	17.299999	25.299999			25	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				30.5
9/28/2016				31.1
11/2/2016				30.2
1/12/2017				29.8
2/13/2017				33
4/3/2017				32
5/17/2017				37
6/12/2017				34
9/18/2017				36
3/27/2018				33
5/9/2018				31
10/8/2018				32
4/23/2019				24.9
8/29/2019				28.5
3/2/2020				29.5
10/15/2020		6.21	12.5	
10/20/2020	22.9			
10/21/2020				23.9
4/27/2021	23.1	6.72	9.96	
5/3/2021				17.9
9/1/2021	23.4	6.69	10.9	
9/8/2021				36.7
3/8/2022	24.3	7.08	8.44	
3/14/2022				30.7
9/20/2022	22.9			22.200001
9/21/2022		8.42	5.58	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.00711 (J)	0.0112	<0.00102
8/2/2016	0.01					
8/3/2016			0.01			
9/20/2016	0.01					
9/21/2016			0.00266 (J)			
9/26/2016				0.0166		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.01		0.01			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				0.00481 (J)		
12/13/2016	0.01		0.01			
1/11/2017				0.00431 (J)	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.01			
2/8/2017	0.01					
2/13/2017				0.0061 (J)		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.00322 (J)			
3/29/2017	0.01					
4/3/2017				0.00215 (J)		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.01			
4/26/2017	0.01					
5/15/2017				0.0123		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		0.00227 (J)			
6/13/2017					<0.00102	
6/14/2017				0.00558 (J)		<0.00102
1/31/2018					<0.00102	
2/1/2018				0.00287 (J)		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				0.00248 (J)		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		<0.00102				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				0.00336 (J)		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		0.00405 (J)	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0105	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				0.00527 (J)	<0.00102	
10/20/2020						<0.00102
2/2/2021		0.000313 (J)	0.000389 (J)			
4/20/2021				0.00235		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		0.00032 (J)				
8/10/2021			0.00058 (J)			
9/8/2021				0.00143		
9/14/2021						0.00037 (J)
9/15/2021					0.00047 (J)	
2/14/2022		0.00021 (J)				
2/16/2022			0.0004 (J)			
3/15/2022				0.00199		
3/16/2022						0.00027 (J)
3/17/2022					0.00139	
8/2/2022			0.000629 (J)			
8/9/2022		0.000291 (J)				
9/19/2022				0.00148		
9/20/2022						0.000272 (J)
9/26/2022					0.000436 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	<0.00102					
9/26/2016					<0.00102	<0.00102
9/27/2016	<0.00102					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	<0.00102
1/11/2017	<0.00102					
2/14/2017					<0.00102	<0.00102
2/15/2017	<0.00102					
4/3/2017						<0.00102
4/4/2017	<0.00102				<0.00102	
5/15/2017	<0.00102					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	<0.00102
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	<0.00102
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						<0.00102
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	<0.00102
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		0.000207 (J)	0.000239 (J)	0.000239 (J)		<0.00102
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					0.00033 (J)	0.00067 (J)
9/7/2021	0.00084 (J)	0.00031 (J)	0.00034 (J)			
9/13/2021				0.00044 (J)		
3/8/2022						<0.00102
3/9/2022		<0.00102	0.00068 (J)	<0.00102	0.00028 (J)	
3/17/2022	0.00048 (J)					
9/19/2022		0.000647 (J)	0.000275 (J)			
9/20/2022					0.000243 (J)	<0.00102
9/26/2022	0.00215			0.000356 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			<0.00102			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				0.00021 (J)		
4/28/2021					0.000229 (J)	
5/3/2021						<0.00102
5/5/2021	0.00119	0.0003 (J)				
9/7/2021	0.00029 (J)					
9/8/2021					0.00024 (J)	0.00025 (J)
9/13/2021			0.00029 (J)			
9/14/2021		0.00033 (J)		0.00051 (J)		
3/8/2022	<0.00102	0.00023 (J)				
3/9/2022			<0.00102		0.00021 (J)	0.00022 (J)
3/16/2022				<0.00102		
9/14/2022	<0.00102		<0.00102			
9/21/2022		0.000278 (J)			0.000306 (J)	<0.00102
9/26/2022				<0.00102		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		0.000308 (J)				<0.00102
4/28/2021	0.000708 (J)					
5/5/2021					0.0011	
6/16/2021		0.00068 (J)	0.00022 (J)	0.00028 (J)		0.00065 (J)
9/14/2021	0.00063 (J)	0.00075 (J)				
9/15/2021			0.00027 (J)	0.00021 (J)	0.00052 (J)	0.0004 (J)
3/15/2022					0.00039 (J)	
3/16/2022			0.0003 (J)	0.00023 (J)		0.0003 (J)
3/17/2022	0.00024 (J)	0.00066 (J)				
9/14/2022					<0.00102	0.000589 (J)
9/21/2022		0.000328 (J)	0.000233 (J)	0.000228 (J)		
9/26/2022	0.000247 (J)					

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			<0.00102		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					0.000309 (J)	
5/3/2021	0.000203 (J)					0.000276 (J)
9/8/2021						0.00025 (J)
9/13/2021		0.00027 (J)	0.00032 (J)	0.00033 (J)		
9/14/2021	0.00039 (J)				0.00037 (J)	
3/9/2022					0.00024 (J)	
3/14/2022	0.00036 (J)	<0.00102				<0.00102
3/16/2022			0.00021 (J)	0.00021 (J)		
9/19/2022			0.000331 (J)			
9/20/2022		<0.00102		0.000261 (J)		0.000269 (J)
9/21/2022	0.000302 (J)				0.000373 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.00102	<0.00102
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						<0.00102
4/29/2019					<0.00102	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	<0.00102			<0.00102		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				<0.00102		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				0.000234 (J)		
5/5/2021		<0.00102			<0.00102	0.000646 (J)
9/7/2021		0.00033 (J)			0.00027 (J)	0.00042 (J)
9/13/2021	0.00032 (J)		0.00041 (J)			
9/15/2021				0.00025 (J)		
3/8/2022		0.00023 (J)				
3/9/2022	0.00021 (J)					
3/16/2022			<0.00102		0.00033 (J)	0.00034 (J)
3/17/2022				0.0002 (J)		
9/14/2022			0.000707 (J)			
9/19/2022	<0.00102	0.00026 (J)			0.000333 (J)	0.000343 (J)
9/27/2022				<0.00102		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	<0.00102					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	<0.00102			<0.00102		
1/10/2017			<0.00102			
2/13/2017	<0.00102			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	<0.00102					
5/16/2017	<0.00102			<0.00102		
5/17/2017			<0.00102			
6/12/2017	<0.00102		<0.00102	<0.00102		
1/29/2018	<0.00102					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		<0.00102			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	0.00361 (J)	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	<0.00102	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	0.00026 (J)	
5/3/2021			<0.00102			
9/1/2021	0.00029 (J)	0.00027 (J)		0.00025 (J)		0.0003 (J)
9/8/2021			0.00027 (J)		0.00021 (J)	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	0.00032 (J)				
3/16/2022				0.00023 (J)	0.00022 (J)	
9/20/2022			<0.00102			0.000282 (J)
9/21/2022				0.000246 (J)		
9/26/2022	0.000278 (J)	0.000315 (J)			0.000592 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				<0.00102
2/13/2017				<0.00102
4/3/2017				<0.00102
5/17/2017				<0.00102
6/12/2017				<0.00102
2/1/2018				<0.00102
5/9/2018				<0.00102
10/8/2018				<0.00102
4/23/2019				<0.00102
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	0.000219 (J)	0.000284 (J)	0.000204 (J)	
5/3/2021				<0.00102
9/1/2021	0.00025 (J)	0.0003 (J)	0.00031 (J)	
9/8/2021				0.00021 (J)
3/8/2022	0.00023 (J)	0.00024 (J)	0.0002 (J)	
3/14/2022				0.00024 (J)
9/20/2022	<0.00102			<0.00102
9/21/2022		0.000301 (J)	<0.00102	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	0.00273 (J)	<0.0002
8/2/2016	<0.0002					
8/3/2016			0.0026 (J)			
9/20/2016	<0.0002					
9/21/2016			0.00362 (J)			
9/26/2016				<0.0002		
9/27/2016					0.00263 (J)	<0.0002
10/25/2016	<0.0002		0.00305 (J)			
10/31/2016					0.00289 (J)	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	<0.0002		<0.0002			
1/11/2017				<0.0002	0.00244 (J)	
1/12/2017						0.00316 (J)
2/6/2017			0.00308 (J)			
2/8/2017	<0.0002					
2/13/2017				<0.0002		0.00227 (J)
2/14/2017					0.00209 (J)	
3/28/2017			<0.0002			
3/29/2017	<0.0002					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					0.00226 (J)	
4/24/2017			<0.0002			
4/26/2017	<0.0002					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					0.0021 (J)	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				<0.0002		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		<0.0002				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	0.00234 (J)			
3/3/2020						<0.0002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	0.000384			
4/20/2021				0.000113 (J)		
4/21/2021						<0.0002
5/3/2021					0.0003	
8/2/2021		<0.0002				
8/10/2021			0.00059			
9/8/2021				8E-05 (J)		
9/14/2021						<0.0002
9/15/2021					0.0003	
2/14/2022		<0.0002				
2/16/2022			0.00055			
3/15/2022				0.00038		
3/16/2022						<0.0002
3/17/2022					0.00091	
8/2/2022			0.00124			
8/9/2022		<0.0002				
9/19/2022				0.00108		
9/20/2022						7.7E-05 (J)
9/26/2022					0.00137	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.0507
7/20/2016	<0.0002					
9/26/2016					<0.0002	0.0389
9/27/2016	<0.0002					
10/31/2016					<0.0002	0.0152
11/1/2016	<0.0002					
1/9/2017					<0.0002	0.00298 (J)
1/11/2017	<0.0002					
2/14/2017					<0.0002	0.00507 (J)
2/15/2017	<0.0002					
4/3/2017						0.00228 (J)
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	0.00418 (J)
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	0.00211 (J)					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				0.0021 (J)	0.00216 (J)
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	0.00352 (J)
10/19/2020	<0.0002					
10/20/2020		<0.0002	0.0112	<0.0002		
4/21/2021		0.00086	0.0523	6.88E-05 (J)		0.00213
4/26/2021					0.000703	
5/5/2021	0.00141					
9/1/2021					0.00066	0.00646
9/7/2021	0.00165	0.00072	0.0816			
9/13/2021				<0.0002		
3/8/2022						0.00413
3/9/2022		0.00066	0.0824	<0.0002	0.00065	
3/17/2022	0.00116					
9/19/2022		0.00092	0.0931			
9/20/2022					0.0247	0.00579
9/26/2022	0.00142			<0.0002		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.103		
9/28/2016				0.108		
11/1/2016				0.0813		
1/11/2017				0.0669		
2/14/2017				0.084		
4/4/2017				0.0829		
5/16/2017				0.0815		
6/14/2017				0.077		
2/1/2018				0.0499		
5/9/2018				0.0534		
10/9/2018				0.0525		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				0.0642		
8/27/2019	<0.0002	<0.0002		0.0498		
9/3/2019					<0.0002	<0.0002
3/3/2020				0.0471		
3/9/2020			<0.0002			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				0.0368		
4/20/2021			<0.0002			
4/26/2021				0.0358		
4/28/2021					0.000658	
5/3/2021						0.00089
5/5/2021	0.00342	<0.0002				
9/7/2021	<0.0002					
9/8/2021					0.00078	0.0008
9/13/2021			<0.0002			
9/14/2021		<0.0002		0.0515		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		0.00081	0.00083
3/16/2022				0.0444		
9/14/2022	0.0002 (J)		<0.0002			
9/21/2022		<0.0002			0.001	0.000591
9/26/2022				0.0522		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				0.000718
4/28/2021	0.000291					
5/5/2021					0.000185 (J)	
6/16/2021		<0.0002	<0.0002	<0.0002		0.00068
9/14/2021	0.00017 (J)	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	0.00042
3/15/2022					8E-05 (J)	
3/16/2022			<0.0002	<0.0002		0.00294
3/17/2022	8E-05 (J)	<0.0002				
9/14/2022					<0.0002	0.000482
9/21/2022		<0.0002	<0.0002	<0.0002		
9/26/2022	8.7E-05 (J)					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.00965
3/9/2020		0.00226 (J)				
3/10/2020			<0.0002		<0.0002	
10/14/2020						0.0121
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		0.000397				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					0.000134 (J)	
5/3/2021	<0.0002					0.0112
9/8/2021						0.0123
9/13/2021		0.00027	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					7E-05 (J)	
3/14/2022	<0.0002	0.00025				0.0105
3/16/2022			<0.0002	<0.0002		
9/19/2022			<0.0002			
9/20/2022		0.000292		<0.0002		0.0095
9/21/2022	<0.0002				0.000238	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.00796 (J)	<0.0002
9/26/2016					0.00839 (J)	<0.0002
10/31/2016					0.00889 (J)	<0.0002
1/9/2017					0.00787 (J)	<0.0002
2/13/2017					0.00873 (J)	<0.0002
4/3/2017					0.00861 (J)	<0.0002
5/16/2017					0.00736 (J)	<0.0002
6/12/2017					0.00684 (J)	<0.0002
1/29/2018					0.00548 (J)	<0.0002
5/10/2018					0.00529 (J)	<0.0002
10/9/2018					0.00683	<0.0002
4/22/2019						<0.0002
4/29/2019					0.00555	
8/27/2019					0.00562	<0.0002
3/3/2020					0.00456 (J)	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			0.00555	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		0.000116 (J)			
5/3/2021				<0.0002		
5/5/2021		<0.0002			0.00451	<0.0002
9/7/2021		<0.0002			0.00455	<0.0002
9/13/2021	<0.0002		9E-05 (J)			
9/15/2021				<0.0002		
3/8/2022		8E-05 (J)				
3/9/2022	<0.0002					
3/16/2022			0.00014 (J)		0.00378	<0.0002
3/17/2022				<0.0002		
9/14/2022			0.000107 (J)			
9/19/2022	<0.0002	<0.0002			0.00397	<0.0002
9/27/2022				<0.0002		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.0427					
7/26/2016			<0.0002	0.0648		
9/27/2016	0.0401					
9/28/2016			<0.0002	0.0673		
11/1/2016	0.0374			0.0605		
11/2/2016			<0.0002			
1/9/2017	0.0291			0.0504		
1/10/2017			<0.0002			
2/13/2017	0.0368			0.065		
2/14/2017			<0.0002			
4/3/2017			<0.0002	0.0701		
4/4/2017	0.0348					
5/16/2017	0.0379			0.0725		
5/17/2017			<0.0002			
6/12/2017	0.0376		<0.0002	0.0656		
1/29/2018	0.0171					
2/1/2018			<0.0002	0.0564		
5/9/2018	0.0128		<0.0002	0.0641		
10/8/2018	0.011		<0.0002	0.0616		
3/5/2019		0.00889			<0.0002	
4/23/2019			<0.0002	0.0471		
4/29/2019	0.0206					
8/27/2019	0.0157	0.0104				
8/28/2019			<0.0002	0.0283	<0.0002	
3/2/2020			<0.0002			
3/3/2020				0.0186	<0.0002	
3/4/2020	0.0119	0.00216 (J)				
10/14/2020	0.0117	0.00364 (J)				
10/19/2020					<0.0002	
10/20/2020				0.00675		<0.0002
10/21/2020			<0.0002			
4/26/2021	0.00667	0.00507				
4/27/2021						<0.0002
4/28/2021				0.00574	0.000466	
5/3/2021			<0.0002			
9/1/2021	0.00719	0.00741		0.00456		<0.0002
9/8/2021			<0.0002		0.00022	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	0.0039	0.013				
3/16/2022				0.00531	0.00021	
9/20/2022			<0.0002			<0.0002
9/21/2022				0.00612		
9/26/2022	0.00501	0.00886			0.000852	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	0.000826	0.000206	0.000331	
5/3/2021				<0.0002
9/1/2021	0.00078	0.00011 (J)	0.00016 (J)	
9/8/2021				<0.0002
3/8/2022	0.00067	0.00013 (J)	0.00022	
3/14/2022				<0.0002
9/20/2022	0.000748			<0.0002
9/21/2022		0.000147 (J)	0.000115 (J)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016					0.233 (U)	0.604 (U)
8/2/2016	0.0177 (U)					
8/3/2016			0.299 (U)			
9/20/2016	0.725					
9/21/2016			0.835			
9/26/2016				0.499		
9/27/2016					0.82	0.65
10/25/2016	0.494 (U)		0.0629 (U)			
10/31/2016					0.37 (U)	
11/1/2016						0.458 (U)
11/2/2016				0.637 (U)		
12/13/2016	0.39 (U)		0.547			
1/11/2017				0.475 (U)	0.668	
1/12/2017						0.308 (U)
2/6/2017			0.251 (U)			
2/8/2017	0.455 (U)					
2/13/2017				0.0464 (U)		-0.0581 (U)
2/14/2017					0.36 (U)	
3/28/2017			-0.109 (U)			
3/29/2017	0.251 (U)					
4/3/2017				0.335 (U)		
4/4/2017						0.288 (U)
4/6/2017					0.519	
4/24/2017			0.293 (U)			
4/26/2017	0.0762 (U)					
5/15/2017				0.409 (U)		
5/16/2017						0.119 (U)
5/17/2017					-0.497 (U)	
6/7/2017	0.32 (U)		0.529			
6/13/2017					0.147 (U)	
6/14/2017				0.261 (U)		0.129 (U)
1/29/2018				0.693		
1/30/2018						0.31 (U)
1/31/2018					0.82	
2/19/2018			0.497			
2/20/2018	0.465					
5/8/2018						0.0757 (U)
5/9/2018				0.413 (U)		
5/10/2018					0.383 (U)	
5/15/2018	0.0571 (U)		-0.601 (U)			
10/8/2018					0.193 (U)	
10/9/2018				0.338 (U)		0.5
10/16/2018			0.2 (U)			
10/17/2018	0.482					
2/20/2019		0.398 (U)				
4/16/2019	0.506 (U)		0.733			
4/24/2019					0.601	
5/1/2019				0.312 (U)		0.295 (U)
8/27/2019				0.696		
8/28/2019						0.358 (U)
8/29/2019					0.437 (U)	
9/24/2019		0.373 (U)	0.753			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/3/2020						0.227 (U)
3/9/2020				0.726	0.906	
3/18/2020			0.465 (U)			
3/25/2020		0.0656 (U)				
9/21/2020			1.25			
9/23/2020		0.542 (U)				
10/19/2020				0.335 (U)	0.387 (U)	
10/20/2020						0.0474 (U)
2/2/2021		0.448 (U)	0.223 (U)			
4/20/2021				0.44 (U)		
4/21/2021						0.309 (U)
5/3/2021					0.821 (U)	
8/2/2021		0.738 (U)				
8/10/2021			0.77 (U)			
9/8/2021				0.396 (U)		
9/14/2021						0.279 (U)
9/15/2021					1.43 (U)	
2/14/2022		7.76				
2/16/2022			0.561 (U)			
3/15/2022				0.754 (U)		
3/16/2022						0.579 (U)
3/17/2022					0.232 (U)	
8/2/2022			0.154 (U)			
8/9/2022		0.584 (U)				
9/19/2022				0.933 (U)		
9/20/2022						0.441 (U)
9/26/2022					0.502 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.191 (U)	0.456 (U)
7/20/2016	0.271 (U)					
9/26/2016					0.663	0.854
9/27/2016	0.858					
10/31/2016					0.608	0.268 (U)
11/1/2016	0.456 (U)					
1/9/2017					-0.0687 (U)	0.118 (U)
1/11/2017	0.624 (U)					
2/14/2017					0.459 (U)	0.264 (U)
2/15/2017	0.821					
4/3/2017						0.00348 (U)
4/4/2017	0.258 (U)				0.327 (U)	
5/15/2017	0.382 (U)					
5/16/2017					0.232 (U)	0.229 (U)
6/12/2017					0.123 (U)	0.226 (U)
6/14/2017	0.746					
1/30/2018	0.366 (U)					1.05
1/31/2018					0.516	
5/7/2018					0.615	0.444 (U)
5/8/2018	0.854 (U)					
10/8/2018	0.717					
10/9/2018					0.825	1.15
4/24/2019					0.373	0.317 (U)
8/28/2019	0.577 (U)				0.00424 (U)	0.372 (U)
3/3/2020						-0.0538 (U)
3/4/2020					0.337 (U)	
3/10/2020	1.57					
10/13/2020					0.232 (U)	0.209 (U)
10/19/2020	0.17 (U)					
10/20/2020		0.357 (U)	0.479 (U)	-0.128 (U)		
4/21/2021		0.748 (U)	1.13	0.164 (U)		0.319 (U)
4/26/2021					0.643 (U)	
5/5/2021	0.446 (U)					
9/1/2021					0.37 (U)	0.231 (U)
9/7/2021	0.521 (U)	0.822 (U)	1.24 (U)			
9/13/2021				0.387 (U)		
3/8/2022						0.455 (U)
3/9/2022		0.284 (U)	1.28	0.417 (U)	0.387 (U)	
3/17/2022	0.656 (U)					
9/19/2022		0.762 (U)	1.11 (U)			
9/20/2022					0.359 (U)	0.392 (U)
9/26/2022	0.62 (U)			1 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.817		
9/28/2016				0.336 (U)		
11/1/2016				0.00962 (U)		
1/11/2017				0.844		
2/14/2017				0.444 (U)		
4/4/2017				0.379 (U)		
5/16/2017				0.37 (U)		
6/14/2017				0.875		
1/30/2018				1.11		
5/9/2018				0.301 (U)		
10/9/2018				1.04		
3/6/2019	0.732	0.229 (U)			0.995	0.23 (U)
5/1/2019				0.29 (U)		
8/27/2019	0.701	0.344 (U)		0.615		
9/3/2019					0.144 (U)	0.37 (U)
3/3/2020				0.361 (U)		
3/9/2020			0.684			
3/10/2020	1.18	0.95			0.276 (U)	0.374 (U)
10/13/2020	0.298 (U)	0.0821 (U)				
10/14/2020			0.362			
10/19/2020					0.154 (U)	0.0854 (U)
10/21/2020				0.448 (U)		
4/20/2021			0.93 (U)			
4/26/2021				0.378 (U)		
4/28/2021					0.46 (U)	
5/3/2021						0.286 (U)
5/5/2021	2.37	0.183 (U)				
9/7/2021	1.32 (U)					
9/8/2021					0.265 (U)	0.505 (U)
9/13/2021			0.231 (U)			
9/14/2021		0.686 (U)		0.96 (U)		
3/8/2022	0.896 (U)	0.528 (U)				
3/9/2022			0.425 (U)		0.408 (U)	0.327 (U)
3/16/2022				0.589 (U)		
9/14/2022	0.73 (U)		0.294 (U)			
9/21/2022		1.46			2.05	0.618 (U)
9/26/2022				0.479 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.24 (U)					
8/28/2019	0.908					
3/9/2020	0.202 (U)				4.4	
10/13/2020	0.683					
10/14/2020				0.484	4.78	4.46
10/20/2020			0.679			
10/26/2020		2.3				
4/20/2021			0.304 (U)	0.41 (U)		
4/27/2021		1.97				1.21
4/28/2021	0.683 (U)					
5/5/2021					6.25	
6/16/2021		2.99	0.362 (U)	0.73 (U)		3.11
9/14/2021	0.833 (U)	2.3				
9/15/2021			0.716 (U)	0.662 (U)	7.07	2.48
3/15/2022					6.96	
3/16/2022			1.01 (U)	0.26 (U)		1 (U)
3/17/2022	0.7 (U)	1.17				
9/14/2022					6.2	0.517 (U)
9/21/2022		2.06	1.13	1.48		
9/26/2022	1.23					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.636 (U)
3/9/2020		0.641				
3/10/2020			0.829		0.4 (U)	
10/14/2020						0.0343 (U)
10/15/2020					0.826	
10/19/2020		0.155 (U)				
10/20/2020			0.598			
10/26/2020	0.0991 (U)					
10/27/2020				-0.0134 (U)		
4/20/2021		0.0931 (U)				
4/21/2021			1.09			
4/27/2021				0.446 (U)		
4/28/2021					0.352 (U)	
5/3/2021	0.455 (U)					0.5 (U)
9/8/2021						0.711 (U)
9/13/2021		0.173 (U)	0.361 (U)	0.605 (U)		
9/14/2021	0.417 (U)				0.784 (U)	
3/9/2022					0.497 (U)	
3/14/2022	0.336 (U)	0.219 (U)				0.655 (U)
3/16/2022			0.539 (U)	0.701 (U)		
9/19/2022			0.756 (U)			
9/20/2022		0.876 (U)		0.684 (U)		0.61 (U)
9/21/2022	0.992 (U)				1.1 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.251 (U)	-0.019 (U)
9/26/2016					0.638	0.488 (U)
10/31/2016					0.521 (U)	0.147 (U)
1/9/2017					0.744	0.288 (U)
2/13/2017					-0.0115 (U)	0.226 (U)
4/3/2017					0.0879 (U)	-0.154 (U)
5/16/2017					0.137 (U)	0.303 (U)
6/12/2017					0.589	0.645
1/29/2018					0.634	0.627
5/10/2018					0.147 (U)	-0.0676 (U)
10/9/2018					0.693	0.571
4/22/2019						0.678
4/29/2019					0.0878 (U)	
8/27/2019					0.491 (U)	1.17
3/3/2020					0.258 (U)	0.821
3/9/2020	0.875			0.418 (U)		
3/10/2020		0.943				
10/13/2020		0.0328 (U)			-0.209 (U)	-0.0678 (U)
10/19/2020				-0.0717 (U)		
10/21/2020	0.53					
10/27/2020			0.0202 (U)			
4/21/2021	0.745 (U)		0.74 (U)			
5/3/2021				0.651 (U)		
5/5/2021		0.466 (U)			1.06 (U)	0.195 (U)
9/7/2021		0.878 (U)			0.332 (U)	0.0456 (U)
9/13/2021	0.761 (U)		0.572 (U)			
9/15/2021				0.886 (U)		
3/8/2022		1.37				
3/9/2022	0.822 (U)					
3/16/2022			0.417 (U)		0.257 (U)	0.207 (U)
3/17/2022				0.173 (U)		
9/14/2022			0.748 (U)			
9/19/2022	1.18 (U)	0.386 (U)			0.804 (U)	0.714 (U)
9/27/2022				0.253 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.621					
7/26/2016			0.205 (U)	0.459 (U)		
9/27/2016	0.529 (U)					
9/28/2016			0.403 (U)	0.0516 (U)		
11/1/2016	0.142 (U)			0.279 (U)		
11/2/2016			0.483 (U)			
1/9/2017	0.54 (U)			0.114 (U)		
1/10/2017			0.687			
2/13/2017	0.764			-0.0383 (U)		
2/14/2017			0.5 (U)			
4/3/2017			0.637	0.429 (U)		
4/4/2017	-0.136 (U)					
5/16/2017	0.247 (U)			0.0754 (U)		
5/17/2017			0.421 (U)			
6/12/2017	0.6		0.353 (U)	0.506		
1/29/2018	0.786					
1/31/2018			0.38 (U)	0.433 (U)		
5/9/2018	-0.00808 (U)		0.515 (U)	0.106 (U)		
10/8/2018	0.311 (U)		0.921	0.612		
3/5/2019		0.244 (U)			0.66	
4/23/2019			1.12	0.356		
4/29/2019	0.039 (U)					
8/27/2019	0.533	0.948				
8/28/2019			0.81	0.268 (U)	0.389 (U)	
3/2/2020			0.407 (U)			
3/3/2020				0.177 (U)	-0.0545 (U)	
3/4/2020	0.31 (U)	0.16 (U)				
10/14/2020	0.434 (U)	0.505				
10/19/2020					0.106 (U)	
10/20/2020				0.321 (U)		0.197 (U)
10/21/2020			-0.12 (U)			
4/26/2021	0.394 (U)	0.233 (U)				
4/27/2021						0.334 (U)
4/28/2021				0.156 (U)	0.0421 (U)	
5/3/2021			0.646 (U)			
9/1/2021	0.238 (U)	0 (U)		0.132 (U)		1.4
9/8/2021			0.745 (U)		0.891 (U)	
3/8/2022						0.263 (U)
3/14/2022			0.571 (U)			
3/15/2022	0.285 (U)	0.496 (U)				
3/16/2022				0.199 (U)	0.493 (U)	
9/20/2022			0.714 (U)			0.872 (U)
9/21/2022				0.398 (U)		
9/26/2022	0.525 (U)	1.04 (U)			0.85 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.331 (U)
9/28/2016				0.556 (U)
11/2/2016				0.217 (U)
1/12/2017				0.432 (U)
2/13/2017				0.279 (U)
4/3/2017				0.195 (U)
5/17/2017				0.569 (U)
6/12/2017				0.48 (U)
1/31/2018				0.851
5/9/2018				0.171 (U)
10/8/2018				0.44 (U)
4/23/2019				0.267 (U)
8/29/2019				0.355 (U)
3/2/2020				0.213 (U)
10/15/2020		0.897	0.222 (U)	
10/20/2020	0.398 (U)			
10/21/2020				0.0492 (U)
4/27/2021	0.846 (U)	0.699 (U)	0.157 (U)	
5/3/2021				0.328 (U)
9/1/2021	0.627 (U)	0.667 (U)	0.272 (U)	
9/8/2021				1.16 (U)
3/8/2022	0.649 (U)	0.145 (U)	0.447 (U)	
3/14/2022				0.253 (U)
9/20/2022	0.445 (U)			0.47 (U)
9/21/2022		1.24	0.391 (U)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.134 (J)	0.439	0.155 (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				0.061 (J)		
9/27/2016					0.336	0.097 (J)
10/25/2016	0.058 (J)		0.025 (J)			
10/31/2016					0.26 (J)	
11/1/2016						0.038 (J)
11/2/2016				0.024 (J)		
12/13/2016	0.072 (J)		0.045 (J)			
1/11/2017				<0.125	0.21 (J)	
1/12/2017						<0.125
2/6/2017			0.1 (D)			
2/8/2017	0.16 (D)					
2/13/2017				0.13		0.13
2/14/2017					0.34	
3/28/2017			0.08 (JD)			
3/29/2017	0.14 (D)					
4/3/2017				0.15		
4/4/2017						0.14
4/6/2017					0.38	
4/24/2017			0.09 (JD)			
4/26/2017	0.16 (D)					
5/15/2017				0.14		
5/16/2017						0.14
5/17/2017					0.33	
6/7/2017	0.15		0.08 (J)			
6/13/2017					0.34	
6/14/2017				0.15		0.14
8/21/2017			0.08 (J)			
8/22/2017	0.18					
9/19/2017				0.17		0.16
9/21/2017					0.43	
1/31/2018					0.42	
2/1/2018				0.15		0.12
2/19/2018			0.08 (J)			
2/20/2018	0.17					
5/8/2018						0.13
5/9/2018				0.17		
5/10/2018					0.42	
5/15/2018	0.17		0.1			
10/8/2018					0.49	
10/9/2018				0.19		0.15
10/16/2018			0.09 (J)			
10/17/2018	0.19					
2/20/2019		0.239				
4/16/2019	0.197		0.143			
4/24/2019					0.433	
5/1/2019				0.143		0.118
8/27/2019				0.159		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
8/28/2019						0.13
8/29/2019					0.445	
9/24/2019		0.245	0.128			
3/3/2020						0.134
3/9/2020				0.179	0.517	
3/18/2020			0.108			
3/25/2020		0.243				
9/21/2020			0.125			
9/23/2020		0.278				
10/19/2020				0.16	0.608	
10/20/2020						0.126
2/2/2021		0.244	0.114			
4/20/2021				0.165		
4/21/2021						0.111
5/3/2021					0.599	
8/2/2021		0.276				
8/10/2021			0.0924 (J)			
9/8/2021				0.188		
9/14/2021						0.136
9/15/2021					0.727	
2/14/2022		0.237				
2/16/2022			0.0616 (J)			
3/15/2022				0.142		
3/16/2022						0.107 (J)
3/17/2022					1.86	
8/2/2022			0.0815 (J)			
8/9/2022		0.245				
9/19/2022				0.164		
9/20/2022						0.0923 (J)
9/26/2022					1.12	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.111 (J)	0.194 (J)
7/20/2016	0.701					
9/26/2016					0.069 (J)	0.158 (J)
9/27/2016	0.597					
10/31/2016					0.018 (J)	0.068 (J)
11/1/2016	0.502					
1/9/2017					<0.125	<0.125
1/11/2017	0.472					
2/14/2017					0.1	0.14
2/15/2017	0.59					
4/3/2017						0.13
4/4/2017	0.67				0.1	
5/15/2017	0.63					
5/16/2017					0.1	0.13
6/12/2017					0.1	0.14
6/14/2017	0.63					
9/19/2017					0.12	0.16
9/21/2017	0.66					
1/30/2018	0.69					
1/31/2018					0.1	
2/1/2018						0.12
5/7/2018					0.11	0.16
5/8/2018	0.65					
10/8/2018	0.85					
10/9/2018					0.13	0.18
4/24/2019					0.133	0.225
8/28/2019	0.916				0.0974 (J)	0.29
3/3/2020						0.179
3/4/2020					0.111	
3/10/2020	0.929					
10/13/2020					0.125	0.145
10/19/2020	0.978					
10/20/2020		0.146	0.434	0.177		
4/21/2021		0.134	0.402	0.166		0.173
4/26/2021					0.117	
5/5/2021	0.958					
9/1/2021					0.118	0.14
9/7/2021	0.843	0.183	0.532			
9/13/2021				0.171		
3/8/2022						0.155
3/9/2022		0.179	0.573	0.188	0.103 (J)	
3/17/2022	1.21					
9/19/2022		0.156	0.407			
9/20/2022					<0.125	0.145
9/26/2022	0.989			0.215		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.094 (J)		
9/28/2016				0.035 (J)		
11/1/2016				<0.125		
1/11/2017				<0.125		
2/14/2017				0.05 (J)		
4/4/2017				0.07 (J)		
5/16/2017				0.07 (J)		
6/14/2017				0.06 (J)		
9/20/2017				0.12		
2/1/2018				0.1		
5/9/2018				0.13		
10/9/2018				0.1		
3/6/2019	0.133	0.256			0.234	<0.125
5/1/2019				0.108		
8/27/2019	0.16	0.26		0.19		
9/3/2019					0.279	<0.125
3/3/2020				0.262		
3/9/2020			2.41			
3/10/2020	0.166	0.261			0.297	0.0631 (J)
10/13/2020	0.171	0.272				
10/14/2020			2.32			
10/19/2020					0.311	<0.125
10/21/2020				0.236		
4/20/2021			2.51			
4/26/2021				0.406		
4/28/2021					0.303	
5/3/2021						0.0639 (J)
5/5/2021	0.159	0.242				
9/7/2021	0.213					
9/8/2021					0.347	<0.125
9/13/2021			2.59			
9/14/2021		0.273		0.24		
3/8/2022	0.158	0.294				
3/9/2022			2.4		0.329	<0.125
3/16/2022				0.268		
9/14/2022	0.206		1.9			
9/21/2022		0.213			0.289	<0.125
9/26/2022				0.211		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.169					
8/28/2019	0.212					
3/9/2020	0.285				0.419	
10/13/2020	0.283					
10/14/2020				0.337	0.422	0.429
10/20/2020			0.311			
10/26/2020		0.142				
4/20/2021			0.246	0.158		
4/27/2021		0.205				0.363
4/28/2021	0.217					
5/5/2021					0.409	
6/16/2021		0.255	0.283	0.231		0.412
9/14/2021	0.2	0.156				
9/15/2021			0.28	0.208	0.433	0.436
3/15/2022					0.403	
3/16/2022			0.222	0.145		0.394
3/17/2022	0.127	0.116 (J)				
9/14/2022					0.41	0.393
9/21/2022		0.142	0.185	0.124 (J)		
9/26/2022	0.158					

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.173
3/9/2020		0.117				
3/10/2020			0.172		0.132	
10/14/2020						0.223
10/15/2020					0.151	
10/19/2020		0.154				
10/20/2020			0.158			
10/26/2020	0.161					
10/27/2020				0.14		
4/20/2021		0.123				
4/21/2021			0.141			
4/27/2021				0.144		
4/28/2021					0.133	
5/3/2021	0.171					0.185
9/8/2021						0.204
9/13/2021		0.145	0.171	0.164		
9/14/2021	0.175				0.275	
3/9/2022					0.138	
3/14/2022	0.116 (J)	0.111 (J)				0.186
3/16/2022			0.142	<0.125		
9/19/2022			0.12 (J)			
9/20/2022		0.132		0.0929 (J)		0.193
9/21/2022	0.0743 (J)				0.0663 (J)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.268 (J)	0.217 (J)
9/26/2016					0.213 (J)	0.192 (J)
10/31/2016					0.158 (J)	0.157 (J)
1/9/2017					0.109 (J)	0.115 (J)
2/13/2017					0.29	0.27
4/3/2017					0.28	0.25
5/16/2017					0.3	0.24
6/12/2017					0.29	0.26
9/20/2017					0.35	0.26
1/29/2018					0.35	0.31
5/10/2018					0.37	0.31
10/9/2018					0.39	0.33
4/22/2019						0.335
4/29/2019					0.343	
8/27/2019					0.361	0.294
3/3/2020					0.397	0.286
3/9/2020	0.361			0.173		
3/10/2020		0.16				
10/13/2020		0.16			0.362	0.311
10/19/2020				0.178		
10/21/2020	0.429					
10/27/2020			0.272			
4/21/2021	0.4		0.412			
5/3/2021				0.167		
5/5/2021		0.139			0.351	0.291
9/7/2021		0.155			0.433	0.361
9/13/2021	0.42		0.49			
9/15/2021				0.201		
3/8/2022		0.129				
3/9/2022	0.302					
3/16/2022			0.4		0.388	0.309
3/17/2022				0.132		
9/14/2022			0.342			
9/19/2022	0.33	0.0646 (J)			0.341	0.304
9/27/2022				0.178		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.252 (J)					
7/26/2016			0.296 (J)	0.108 (J)		
9/27/2016	0.209 (J)					
9/28/2016			0.224 (J)	0.054 (J)		
11/1/2016	0.163 (J)			<0.125		
11/2/2016			0.164 (J)			
1/9/2017	0.13 (J)			<0.125		
1/10/2017			0.114 (J)			
2/13/2017	0.28			0.08 (J)		
2/14/2017			0.31			
4/3/2017			0.3	0.07 (J)		
4/4/2017	0.27					
5/16/2017	0.28			0.09 (J)		
5/17/2017			0.29			
6/12/2017	0.27		0.29	0.1		
9/18/2017			0.37	0.11		
9/20/2017	0.31					
1/29/2018	0.28					
2/1/2018			0.35	0.1		
5/9/2018	0.28		0.36	0.09 (J)		
10/8/2018	0.32		0.43	0.13		
3/5/2019		0.144			0.14	
4/23/2019			0.407	0.167		
4/29/2019	0.226					
8/27/2019	0.237	0.181				
8/28/2019			0.385	0.105	0.155	
3/2/2020			0.382			
3/3/2020				0.121	0.141	
3/4/2020	0.221	0.0996 (J)				
10/14/2020	0.251	0.125				
10/19/2020					0.16	
10/20/2020				0.109		0.122
10/21/2020			0.427			
4/26/2021	0.204	0.106				
4/27/2021						0.126
4/28/2021				0.183	0.142	
5/3/2021			0.388			
9/1/2021	0.281	0.143		0.118		0.16
9/8/2021			0.433		0.178	
3/8/2022						<0.125
3/14/2022			0.405			
3/15/2022	0.154	0.244				
3/16/2022				0.155	0.145	
9/20/2022			0.384			<0.125
9/21/2022				<0.125		
9/26/2022	0.22	0.347			0.152	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				1.05
9/28/2016				0.799
11/2/2016				0.627
1/12/2017				0.609
2/13/2017				0.88
4/3/2017				1.1
5/17/2017				1
6/12/2017				1.1
9/18/2017				1.1
2/1/2018				1
5/9/2018				1.1
10/8/2018				1.3
4/23/2019				1.33
8/29/2019				2.07
3/2/2020				1.9
10/15/2020		0.129	0.114	
10/20/2020	0.222			
10/21/2020				1.89
4/27/2021	0.242	0.149	0.125	
5/3/2021				2.38
9/1/2021	0.245	0.197	0.162	
9/8/2021				2.27
3/8/2022	0.223	0.11 (J)	0.125	
3/14/2022				2.28
9/20/2022	0.177			2.39
9/21/2022		0.178	0.0775 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	<0.0002	<0.0002
8/2/2016	<0.0002					
8/3/2016			<0.0002			
9/20/2016	<0.0002					
9/21/2016			<0.0002			
9/26/2016				<0.0002		
9/27/2016					<0.0002	<0.0002
10/25/2016	<0.0002		<0.0002			
10/31/2016					<0.0002	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	<0.0002		<0.0002			
1/11/2017				<0.0002	<0.0002	
1/12/2017						<0.0002
2/6/2017			<0.0002			
2/8/2017	<0.0002					
2/13/2017				<0.0002		<0.0002
2/14/2017					<0.0002	
3/28/2017			<0.0002			
3/29/2017	<0.0002					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					<0.0002	
4/24/2017			<0.0002			
4/26/2017	<0.0002					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					<0.0002	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				<0.0002		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		0.00189 (J)				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	8.09E-05 (J)			
4/20/2021				<0.0002		
4/21/2021						<0.0002
5/3/2021					<0.0002	
8/2/2021		<0.0002				
8/10/2021			0.00015 (J)			
9/8/2021				<0.0002		
9/14/2021						<0.0002
9/15/2021					<0.0002	
2/14/2022		<0.0002				
2/16/2022			<0.0002			
3/15/2022				<0.0002		
3/16/2022						<0.0002
3/17/2022					<0.0002	
8/2/2022			8.3E-05 (J)			
8/9/2022		<0.0002				
9/19/2022				<0.0002		
9/20/2022						<0.0002
9/26/2022					<0.0002	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	<0.0002
7/20/2016	<0.0002					
9/26/2016					<0.0002	<0.0002
9/27/2016	<0.0002					
10/31/2016					<0.0002	<0.0002
11/1/2016	<0.0002					
1/9/2017					<0.0002	<0.0002
1/11/2017	<0.0002					
2/14/2017					<0.0002	<0.0002
2/15/2017	<0.0002					
4/3/2017						<0.0002
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	<0.0002
5/8/2018	<0.0002					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	<0.0002
10/19/2020	<0.0002					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		0.000121 (J)	<0.0002	<0.0002		<0.0002
4/26/2021					<0.0002	
5/5/2021	<0.0002					
9/1/2021					<0.0002	<0.0002
9/7/2021	<0.0002	<0.0002	<0.0002			
9/13/2021				<0.0002		
3/8/2022						<0.0002
3/9/2022		<0.0002	0.00011 (J)	<0.0002	<0.0002	
3/17/2022	<0.0002					
9/19/2022		<0.0002	0.0004			
9/20/2022					<0.0002	<0.0002
9/26/2022	<0.0002			<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				<0.0002		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				<0.0002		
4/4/2017				<0.0002		
5/16/2017				<0.0002		
6/14/2017				<0.0002		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	<0.0002		<0.0002		
9/3/2019					<0.0002	<0.0002
3/3/2020				<0.0002		
3/9/2020			0.0023 (J)			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				<0.0002		
4/20/2021			<0.0002			
4/26/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021						<0.0002
5/5/2021	0.00116	<0.0002				
9/7/2021	<0.0002					
9/8/2021					<0.0002	<0.0002
9/13/2021			<0.0002			
9/14/2021		<0.0002		<0.0002		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		<0.0002	<0.0002
3/16/2022				<0.0002		
9/14/2022	<0.0002		<0.0002			
9/21/2022		<0.0002			<0.0002	<0.0002
9/26/2022				<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				<0.0002
4/28/2021	0.000323					
5/5/2021					0.00019 (J)	
6/16/2021		7E-05 (J)	<0.0002	<0.0002		<0.0002
9/14/2021	0.0002 (J)	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	<0.0002
3/15/2022					<0.0002	
3/16/2022			<0.0002	<0.0002		<0.0002
3/17/2022	<0.0002	<0.0002				
9/14/2022					<0.0002	<0.0002
9/21/2022		<0.0002	<0.0002	<0.0002		
9/26/2022	<0.0002					

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0002
3/9/2020		<0.0002				
3/10/2020			<0.0002		<0.0002	
10/14/2020						<0.0002
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		<0.0002				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021	0.000258					6.88E-05 (J)
9/8/2021						0.0001 (J)
9/13/2021		<0.0002	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					<0.0002	
3/14/2022	0.0001 (J)	<0.0002				<0.0002
3/16/2022			<0.0002	<0.0002		
9/19/2022			<0.0002			
9/20/2022		<0.0002		<0.0002		<0.0002
9/21/2022	<0.0002				<0.0002	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0002	<0.0002
9/26/2016					<0.0002	<0.0002
10/31/2016					<0.0002	<0.0002
1/9/2017					<0.0002	<0.0002
2/13/2017					<0.0002	<0.0002
4/3/2017					<0.0002	<0.0002
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
1/29/2018					<0.0002	<0.0002
5/10/2018					<0.0002	<0.0002
10/9/2018					<0.0002	<0.0002
4/22/2019						<0.0002
4/29/2019					<0.0002	
8/27/2019					<0.0002	<0.0002
3/3/2020					<0.0002	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			<0.0002	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		<0.0002			
5/3/2021				<0.0002		
5/5/2021		<0.0002			8.4E-05 (J)	<0.0002
9/7/2021		<0.0002			<0.0002	<0.0002
9/13/2021	<0.0002		<0.0002			
9/15/2021				<0.0002		
3/8/2022		<0.0002				
3/9/2022	<0.0002					
3/16/2022			<0.0002		<0.0002	<0.0002
3/17/2022				<0.0002		
9/14/2022			<0.0002			
9/19/2022	<0.0002	<0.0002			<0.0002	<0.0002
9/27/2022				<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			<0.0002	<0.0002		
9/27/2016	<0.0002					
9/28/2016			<0.0002	<0.0002		
11/1/2016	<0.0002			<0.0002		
11/2/2016			<0.0002			
1/9/2017	<0.0002			<0.0002		
1/10/2017			<0.0002			
2/13/2017	<0.0002			<0.0002		
2/14/2017			<0.0002			
4/3/2017			<0.0002	<0.0002		
4/4/2017	<0.0002					
5/16/2017	<0.0002			<0.0002		
5/17/2017			<0.0002			
6/12/2017	<0.0002		<0.0002	<0.0002		
1/29/2018	<0.0002					
2/1/2018			<0.0002	<0.0002		
5/9/2018	<0.0002		<0.0002	<0.0002		
10/8/2018	<0.0002		<0.0002	<0.0002		
3/5/2019		<0.0002			<0.0002	
4/23/2019			<0.0002	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	<0.0002				
8/28/2019			<0.0002	<0.0002	<0.0002	
3/2/2020			<0.0002			
3/3/2020				<0.0002	<0.0002	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					<0.0002	
10/20/2020				<0.0002		<0.0002
10/21/2020			<0.0002			
4/26/2021	<0.0002	<0.0002				
4/27/2021						<0.0002
4/28/2021				<0.0002	<0.0002	
5/3/2021			<0.0002			
9/1/2021	<0.0002	<0.0002		<0.0002		<0.0002
9/8/2021			<0.0002		<0.0002	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	<0.0002	<0.0002				
3/16/2022				<0.0002	<0.0002	
9/20/2022			<0.0002			<0.0002
9/21/2022				<0.0002		
9/26/2022	<0.0002	7.4E-05 (J)			0.000416	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	<0.0002	<0.0002	<0.0002	
5/3/2021				<0.0002
9/1/2021	<0.0002	<0.0002	<0.0002	
9/8/2021				<0.0002
3/8/2022	<0.0002	<0.0002	<0.0002	
3/14/2022				<0.0002
9/20/2022	<0.0002			<0.0002
9/21/2022		<0.0002	<0.0002	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.187	0.189	0.119
8/2/2016	0.0121 (J)					
8/3/2016			0.05			
9/20/2016	0.0116 (J)					
9/21/2016			0.05			
9/26/2016				0.134		
9/27/2016					0.171	0.108
10/25/2016	0.0114 (J)		0.05			
10/31/2016					0.181	
11/1/2016						0.116
11/2/2016				0.137		
12/13/2016	0.0116 (J)		0.05			
1/11/2017				0.137	0.172	
1/12/2017						0.12
2/6/2017			0.05			
2/8/2017	0.0118 (J)					
2/13/2017				0.187		0.149
2/14/2017					0.209	
3/28/2017			0.05			
3/29/2017	0.0118 (J)					
4/3/2017				0.225		
4/4/2017						0.154
4/6/2017					0.203	
4/24/2017			0.05			
4/26/2017	0.05					
5/15/2017				0.15		
5/16/2017						0.128
5/17/2017					0.163	
6/7/2017	<0.02		<0.02			
6/13/2017					0.155	
6/14/2017				0.165		0.118
1/31/2018					0.163	
2/1/2018				0.124		0.229
2/19/2018			<0.02			
2/20/2018	<0.02					
5/8/2018						0.246
5/9/2018				0.166		
5/10/2018					0.178	
5/15/2018	0.0101 (J)		<0.02			
10/8/2018					0.184	
10/9/2018				0.136		0.307
10/16/2018			<0.02			
10/17/2018	<0.02					
2/20/2019		0.0671				
4/16/2019	0.0101 (J)		<0.02			
4/24/2019					0.186	
5/1/2019				0.104		0.327
8/27/2019				0.264		
8/28/2019						0.318
8/29/2019					0.197	
9/24/2019		0.0809	<0.02			
3/3/2020						0.255

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.123	0.225	
3/18/2020			<0.02			
3/25/2020		0.0646				
9/21/2020			<0.02			
9/23/2020		0.0574				
10/19/2020				0.09	0.166	
10/20/2020						0.297
2/2/2021		0.0585	0.00796 (J)			
4/20/2021				0.154		
4/21/2021						0.421
5/3/2021					0.19	
8/2/2021		0.056				
8/10/2021			0.00832 (J)			
9/8/2021				0.179		
9/14/2021						0.374
9/15/2021					0.187	
2/14/2022		0.0499				
2/16/2022			0.00826 (J)			
3/15/2022				0.156		
3/16/2022						0.172
3/17/2022					0.174	
8/2/2022			0.01 (J)			
8/9/2022		0.0555				
9/19/2022				0.204		
9/20/2022						0.173
9/26/2022					0.267	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					0.0199 (J)	0.0816
7/20/2016	0.229					
9/26/2016					0.0206 (J)	0.0636
9/27/2016	0.198					
10/31/2016					0.021 (J)	0.0759
11/1/2016	0.204					
1/9/2017					0.0201 (J)	0.0254 (J)
1/11/2017	0.205					
2/14/2017					0.022 (J)	0.0859
2/15/2017	0.274					
4/3/2017						0.0487 (J)
4/4/2017	0.279				0.0216 (J)	
5/15/2017	0.206					
5/16/2017					0.021 (J)	0.0297 (J)
6/12/2017					0.0181 (J)	0.0429 (J)
6/14/2017	0.205					
1/30/2018	0.178					
1/31/2018					0.0169 (J)	
2/1/2018						0.026 (J)
5/7/2018					0.0187 (J)	0.0538
5/8/2018	0.199					
10/8/2018	0.19					
10/9/2018					0.019 (J)	0.0285
4/24/2019					<0.02	0.0295 (J)
8/28/2019	0.158				0.0199 (J)	0.0555
3/3/2020						0.0278
3/4/2020					0.0195 (J)	
3/10/2020	0.146					
10/13/2020					0.0195 (J)	0.132
10/19/2020	0.12					
10/20/2020		0.0343	0.0475	0.0207		
4/21/2021		0.0356	0.0237	0.0211		0.128
4/26/2021					0.0194 (J)	
5/5/2021	0.124 (R)					
9/1/2021					0.0196 (J)	0.104
9/7/2021	0.176	0.0357	0.0258			
9/13/2021				0.0212		
3/8/2022						0.0901
3/9/2022		0.031	0.0215	0.0196 (J)	0.0177 (J)	
3/17/2022	0.104					
9/19/2022		0.037	0.028			
9/20/2022					0.023	0.177
9/26/2022	0.233			0.0204		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				0.163		
9/28/2016				0.197		
11/1/2016				0.172		
1/11/2017				0.19		
2/14/2017				0.292		
4/4/2017				0.292		
5/16/2017				0.25		
6/14/2017				0.237		
2/1/2018				0.222		
5/9/2018				0.237		
10/9/2018				0.25		
3/6/2019	0.0597	0.1			0.235	0.0987
5/1/2019				0.228		
8/27/2019	0.0831	0.23		0.257		
9/3/2019					0.278	0.0973
3/3/2020				0.269		
3/9/2020			0.138			
3/10/2020	0.0566	0.0875			0.277	0.094
10/13/2020	0.0845	0.215				
10/14/2020			0.173			
10/19/2020					0.245	0.0797
10/21/2020				0.217		
4/20/2021			0.183			
4/26/2021				0.268		
4/28/2021					0.267	
5/3/2021						0.0783
5/5/2021	0.116	0.167				
9/7/2021	0.0826					
9/8/2021					0.269	0.0783
9/13/2021			0.169			
9/14/2021		0.188		0.27		
3/8/2022	0.0644	0.0926				
3/9/2022			0.124		0.217	0.0594
3/16/2022				0.211		
9/14/2022	0.0898		0.149			
9/21/2022		0.154			0.215	0.0512
9/26/2022				0.221		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.0484					
8/28/2019	0.0493					
3/9/2020	0.0252				1.18	
10/13/2020	0.0379					
10/14/2020				0.172	1.2	1.17
10/20/2020			0.141			
10/26/2020		0.344				
4/20/2021			0.0728	0.0694		
4/27/2021		0.406				1.05
4/28/2021	0.045					
5/5/2021					1.13	
6/16/2021		0.342	0.0738	0.0722		0.873
9/14/2021	0.0657	0.46				
9/15/2021			0.0621	0.071	1.16	1.04
3/15/2022					0.911	
3/16/2022			0.0469	0.0626		0.815
3/17/2022	0.054	0.369				
9/14/2022					0.87	0.774
9/21/2022		0.373	0.0542	0.0648		
9/26/2022	0.0548					

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.145
3/9/2020		0.0593				
3/10/2020			0.0821		<0.02	
10/14/2020						0.155
10/15/2020					<0.02	
10/19/2020		0.058				
10/20/2020			0.0918			
10/26/2020	0.0427					
10/27/2020				0.135		
4/20/2021		0.0576				
4/21/2021			0.108			
4/27/2021				0.145		
4/28/2021					<0.02	
5/3/2021	0.0441					0.153
9/8/2021						0.175
9/13/2021		0.0606	0.0967	0.147		
9/14/2021	0.0441				<0.02	
3/9/2022					<0.02	
3/14/2022	0.0415	0.0531				0.132
3/16/2022			0.088	0.117		
9/19/2022			0.0948			
9/20/2022		0.0506		0.124		0.158
9/21/2022	0.0404				<0.02	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.128	0.186
9/26/2016					0.12	0.149
10/31/2016					0.128	0.161
1/9/2017					0.124	0.156
2/13/2017					0.167	0.244
4/3/2017					0.163	0.25
5/16/2017					0.12	0.199
6/12/2017					0.119	0.188
1/29/2018					0.11	0.164
5/10/2018					0.112	0.183
10/9/2018					0.123	0.175
4/22/2019						0.243
4/29/2019					0.104	
8/27/2019					0.115	0.246
3/3/2020					0.11	0.294
3/9/2020	0.164			0.0662		
3/10/2020		0.0306				
10/13/2020		0.0305			0.121	0.347
10/19/2020				0.0635		
10/21/2020	0.156					
10/27/2020			0.161			
4/21/2021	0.218		0.247			
5/3/2021				0.0663		
5/5/2021		0.0298			0.116	0.358
9/7/2021		0.0298			0.12	0.347
9/13/2021	0.188		0.297			
9/15/2021				0.066		
3/8/2022		0.0264				
3/9/2022	0.13					
3/16/2022			0.294		0.0914	0.271
3/17/2022				0.0588		
9/14/2022			0.285			
9/19/2022	0.14	0.0284			0.101	0.261
9/27/2022				0.0586		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	0.105					
7/26/2016			0.249	0.0874		
9/27/2016	0.0988					
9/28/2016			0.223	0.0812		
11/1/2016	0.104			0.0841		
11/2/2016			0.229			
1/9/2017	0.102			0.0842		
1/10/2017			0.227			
2/13/2017	0.136			0.101		
2/14/2017			0.315			
4/3/2017			0.307	0.102		
4/4/2017	0.134					
5/16/2017	0.1			0.0778		
5/17/2017			0.247			
6/12/2017	0.0992		0.237	0.0784		
1/29/2018	0.0852					
2/1/2018			0.221	0.0732		
5/9/2018	0.0926		0.238	0.079		
10/8/2018	0.0877		0.232	0.077		
3/5/2019		0.0578			0.145	
4/23/2019			0.229	0.0822		
4/29/2019	0.0729					
8/27/2019	0.0741	0.0788				
8/28/2019			0.237	0.0853	0.1	
3/2/2020			0.237			
3/3/2020				0.0877	0.104	
3/4/2020	0.0851	0.0341				
10/14/2020	0.0651	0.0601				
10/19/2020					0.0971	
10/20/2020				0.0785		0.12
10/21/2020			0.193			
4/26/2021	0.0758	0.0371				
4/27/2021						0.13
4/28/2021				0.0865	0.109	
5/3/2021			0.228			
9/1/2021	0.0716	0.0507		0.0856		0.13
9/8/2021			0.229		0.121	
3/8/2022						0.105
3/14/2022			0.189			
3/15/2022	0.0575	0.12				
3/16/2022				0.0731	0.097	
9/20/2022			0.195			0.108
9/21/2022				0.0774		
9/26/2022	0.0674	0.155			0.0938	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.228
9/28/2016				0.158
11/2/2016				0.179
1/12/2017				0.166
2/13/2017				0.243
4/3/2017				0.216
5/17/2017				0.177
6/12/2017				0.161
2/1/2018				0.133
5/9/2018				0.139
10/8/2018				0.137
4/23/2019				0.134
8/29/2019				0.164
3/2/2020				0.147
10/15/2020		0.0815	0.0413	
10/20/2020	0.143			
10/21/2020				0.127
4/27/2021	0.156	0.0818	0.045	
5/3/2021				0.177
9/1/2021	0.16	0.0827	0.0464	
9/8/2021				0.17
3/8/2022	0.139	0.0682	0.04	
3/14/2022				0.143
9/20/2022	0.155			0.138
9/21/2022		0.0642	0.0421	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0005	<0.0005	<0.0005
8/2/2016	0.0005					
8/3/2016			0.0005			
9/20/2016	0.0005					
9/21/2016			0.0005			
9/26/2016				<0.0005		
9/27/2016					<0.0005	<0.0005
10/25/2016	0.0005		0.0005			
10/31/2016					<0.0005	
11/1/2016						<0.0005
11/2/2016				<0.0005		
12/13/2016	0.0005		0.0005			
1/11/2017				<0.0005	<0.0005	
1/12/2017						<0.0005
2/6/2017			0.0005			
2/8/2017	0.0005					
2/13/2017				<0.0005		<0.0005
2/14/2017					<0.0005	
3/28/2017			0.0005			
3/29/2017	0.0005					
4/3/2017				<0.0005		
4/4/2017						<0.0005
4/6/2017					<0.0005	
4/24/2017			0.0005			
4/26/2017	0.0005					
5/15/2017				<0.0005		
5/16/2017						<0.0005
5/17/2017					<0.0005	
6/7/2017	<0.0005		<0.0005			
6/13/2017					<0.0005	
6/14/2017				<0.0005		<0.0005
1/31/2018					<0.0005	
2/1/2018				<0.0005		<0.0005
2/19/2018			<0.0005			
2/20/2018	<0.0005					
5/8/2018						<0.0005
5/9/2018				<0.0005		
5/10/2018					<0.0005	
5/15/2018	<0.0005		<0.0005			
10/8/2018					<0.0005	
10/9/2018				<0.0005		<0.0005
10/16/2018			<0.0005			
10/17/2018	<0.0005					
2/20/2019		<0.0005				
4/16/2019	<0.0005		<0.0005			
4/24/2019					<0.0005	
5/1/2019				<0.0005		<0.0005
8/27/2019				<0.0005		
8/28/2019						<0.0005
8/29/2019					<0.0005	
9/24/2019		<0.0005	<0.0005			
3/3/2020						<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0005	<0.0005	
3/18/2020			<0.0005			
3/25/2020		<0.0005				
9/21/2020			<0.0005			
9/23/2020		<0.0005				
10/19/2020				<0.0005	<0.0005	
10/20/2020						<0.0005
2/2/2021		<0.0005	<0.0005			
4/20/2021				<0.0005		
4/21/2021						<0.0005
5/3/2021					<0.0005	
8/2/2021		<0.0005				
8/10/2021			<0.0005			
9/8/2021				<0.0005		
9/14/2021						<0.0005
9/15/2021					<0.0005	
2/14/2022		<0.0005				
2/16/2022			<0.0005			
3/15/2022				<0.0005		
3/16/2022						<0.0005
3/17/2022					<0.0005	
8/2/2022			<0.0005			
8/9/2022		<0.0005				
9/19/2022				<0.0005		
9/20/2022						<0.0005
9/26/2022					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0005	<0.0005
7/20/2016	<0.0005					
9/26/2016					<0.0005	<0.0005
9/27/2016	<0.0005					
10/31/2016					<0.0005	<0.0005
11/1/2016	<0.0005					
1/9/2017					<0.0005	<0.0005
1/11/2017	<0.0005					
2/14/2017					<0.0005	<0.0005
2/15/2017	<0.0005					
4/3/2017						<0.0005
4/4/2017	<0.0005				<0.0005	
5/15/2017	<0.0005					
5/16/2017					<0.0005	<0.0005
6/12/2017					<0.0005	<0.0005
6/14/2017	<0.0005					
1/30/2018	<0.0005					
1/31/2018					<0.0005	
2/1/2018						<0.0005
5/7/2018					<0.0005	<0.0005
5/8/2018	<0.0005					
10/8/2018	<0.0005					
10/9/2018					<0.0005	<0.0005
4/24/2019					0.000316 (J)	<0.0005
8/28/2019	<0.0005				<0.0005	<0.0005
3/3/2020						<0.0005
3/4/2020					<0.0005	
3/10/2020	<0.0005					
10/13/2020					<0.0005	<0.0005
10/19/2020	<0.0005					
10/20/2020		<0.0005	<0.0005	<0.0005		
4/21/2021		<0.0005	<0.0005	<0.0005		<0.0005
4/26/2021					<0.0005	
5/5/2021	<0.0005					
9/1/2021					<0.0005	<0.0005
9/7/2021	<0.0005	<0.0005	<0.0005			
9/13/2021				<0.0005		
3/8/2022						<0.0005
3/9/2022		<0.0005	<0.0005	<0.0005	<0.0005	
3/17/2022	<0.0005					
9/19/2022		<0.0005	<0.0005			
9/20/2022					<0.0005	<0.0005
9/26/2022	<0.0005			<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0005		
9/28/2016				<0.0005		
11/1/2016				<0.0005		
1/11/2017				<0.0005		
2/14/2017				<0.0005		
4/4/2017				<0.0005		
5/16/2017				<0.0005		
6/14/2017				<0.0005		
2/1/2018				<0.0005		
5/9/2018				<0.0005		
10/9/2018				<0.0005		
3/6/2019	<0.0005	<0.0005			<0.0005	<0.0005
5/1/2019				<0.0005		
8/27/2019	<0.0005	<0.0005		<0.0005		
9/3/2019					<0.0005	<0.0005
3/3/2020				<0.0005		
3/9/2020			<0.0005			
3/10/2020	<0.0005	<0.0005			<0.0005	<0.0005
10/13/2020	<0.0005	<0.0005				
10/14/2020			<0.0005			
10/19/2020					<0.0005	<0.0005
10/21/2020				<0.0005		
4/20/2021			<0.0005			
4/26/2021				<0.0005		
4/28/2021					<0.0005	
5/3/2021						<0.0005
5/5/2021	<0.0005	<0.0005				
9/7/2021	<0.0005					
9/8/2021					<0.0005	<0.0005
9/13/2021			<0.0005			
9/14/2021		<0.0005		<0.0005		
3/8/2022	<0.0005	<0.0005				
3/9/2022			<0.0005		<0.0005	<0.0005
3/16/2022				<0.0005		
9/14/2022	<0.0005		<0.0005			
9/21/2022		<0.0005			<0.0005	<0.0005
9/26/2022				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0005					
8/28/2019	<0.0005					
3/9/2020	<0.0005				<0.0005	
10/13/2020	<0.0005					
10/14/2020				<0.0005	<0.0005	<0.0005
10/20/2020			<0.0005			
10/26/2020		<0.0005				
4/20/2021			<0.0005	<0.0005		
4/27/2021		<0.0005				<0.0005
4/28/2021	<0.0005					
5/5/2021					<0.0005	
6/16/2021		<0.0005	<0.0005	<0.0005		<0.0005
9/14/2021	<0.0005	<0.0005				
9/15/2021			<0.0005	<0.0005	<0.0005	<0.0005
3/15/2022					<0.0005	
3/16/2022			<0.0005	<0.0005		<0.0005
3/17/2022	<0.0005	<0.0005				
9/14/2022					<0.0005	<0.0005
9/21/2022		<0.0005	<0.0005	<0.0005		
9/26/2022	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0005
3/9/2020		<0.0005				
3/10/2020			<0.0005		<0.0005	
10/14/2020						<0.0005
10/15/2020					<0.0005	
10/19/2020		<0.0005				
10/20/2020			<0.0005			
10/26/2020	<0.0005					
10/27/2020				<0.0005		
4/20/2021		<0.0005				
4/21/2021			<0.0005			
4/27/2021				<0.0005		
4/28/2021					<0.0005	
5/3/2021	<0.0005					<0.0005
9/8/2021						<0.0005
9/13/2021		<0.0005	<0.0005	<0.0005		
9/14/2021	<0.0005				<0.0005	
3/9/2022					<0.0005	
3/14/2022	<0.0005	<0.0005				<0.0005
3/16/2022			<0.0005	<0.0005		
9/19/2022			<0.0005			
9/20/2022		<0.0005		<0.0005		<0.0005
9/21/2022	<0.0005				<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0005	<0.0005
9/26/2016					<0.0005	<0.0005
10/31/2016					<0.0005	<0.0005
1/9/2017					<0.0005	<0.0005
2/13/2017					<0.0005	<0.0005
4/3/2017					<0.0005	<0.0005
5/16/2017					<0.0005	<0.0005
6/12/2017					<0.0005	<0.0005
1/29/2018					<0.0005	<0.0005
5/10/2018					<0.0005	<0.0005
10/9/2018					<0.0005	<0.0005
4/22/2019						0.000318 (J)
4/29/2019					<0.0005	
8/27/2019					<0.0005	<0.0005
3/3/2020					<0.0005	<0.0005
3/9/2020	<0.0005			<0.0005		
3/10/2020		<0.0005				
10/13/2020		<0.0005			<0.0005	<0.0005
10/19/2020				<0.0005		
10/21/2020	<0.0005					
10/27/2020			<0.0005			
4/21/2021	<0.0005		<0.0005			
5/3/2021				<0.0005		
5/5/2021		<0.0005			<0.0005	<0.0005
9/7/2021		<0.0005			<0.0005	<0.0005
9/13/2021	<0.0005		<0.0005			
9/15/2021				<0.0005		
3/8/2022		<0.0005				
3/9/2022	<0.0005					
3/16/2022			<0.0005		<0.0005	<0.0005
3/17/2022				<0.0005		
9/14/2022			<0.0005			
9/19/2022	<0.0005	<0.0005			<0.0005	<0.0005
9/27/2022				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0005					
7/26/2016			<0.0005	<0.0005		
9/27/2016	<0.0005					
9/28/2016			<0.0005	<0.0005		
11/1/2016	<0.0005			<0.0005		
11/2/2016			<0.0005			
1/9/2017	<0.0005			<0.0005		
1/10/2017			<0.0005			
2/13/2017	<0.0005			<0.0005		
2/14/2017			<0.0005			
4/3/2017			<0.0005	<0.0005		
4/4/2017	<0.0005					
5/16/2017	<0.0005			<0.0005		
5/17/2017			<0.0005			
6/12/2017	<0.0005		<0.0005	<0.0005		
1/29/2018	<0.0005					
2/1/2018			<0.0005	<0.0005		
5/9/2018	<0.0005		<0.0005	<0.0005		
10/8/2018	<0.0005		<0.0005	<0.0005		
3/5/2019		<0.0005			<0.0005	
4/23/2019			0.000319 (J)	<0.0005		
4/29/2019	<0.0005					
8/27/2019	<0.0005	<0.0005				
8/28/2019			<0.0005	<0.0005	<0.0005	
3/2/2020			<0.0005			
3/3/2020				<0.0005	<0.0005	
3/4/2020	<0.0005	<0.0005				
10/14/2020	<0.0005	<0.0005				
10/19/2020					<0.0005	
10/20/2020				<0.0005		<0.0005
10/21/2020			<0.0005			
4/26/2021	<0.0005	<0.0005				
4/27/2021						<0.0005
4/28/2021				<0.0005	<0.0005	
5/3/2021			<0.0005			
9/1/2021	<0.0005	<0.0005		<0.0005		<0.0005
9/8/2021			<0.0005		<0.0005	
3/8/2022						<0.0005
3/14/2022			<0.0005			
3/15/2022	<0.0005	<0.0005				
3/16/2022				<0.0005	<0.0005	
9/20/2022			<0.0005			<0.0005
9/21/2022				<0.0005		
9/26/2022	<0.0005	<0.0005			<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0005
9/28/2016				<0.0005
11/2/2016				<0.0005
1/12/2017				<0.0005
2/13/2017				<0.0005
4/3/2017				<0.0005
5/17/2017				<0.0005
6/12/2017				<0.0005
2/1/2018				<0.0005
5/9/2018				<0.0005
10/8/2018				<0.0005
4/23/2019				0.000311 (J)
8/29/2019				<0.0005
3/2/2020				<0.0005
10/15/2020		<0.0005	<0.0005	
10/20/2020	<0.0005			
10/21/2020				<0.0005
4/27/2021	<0.0005	<0.0005	<0.0005	
5/3/2021				<0.0005
9/1/2021	<0.0005	<0.0005	<0.0005	
9/8/2021				<0.0005
3/8/2022	<0.0005	<0.0005	<0.0005	
3/14/2022				<0.0005
9/20/2022	<0.0005			<0.0005
9/21/2022		<0.0005	<0.0005	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				0.0108	0.115	<0.0002
8/2/2016	0.01					
8/3/2016			0.01			
9/20/2016	0.01					
9/21/2016			0.01			
9/26/2016				0.0105		
9/27/2016					0.0985	<0.0002
10/25/2016	0.01		0.01			
10/31/2016					0.0971	
11/1/2016						<0.0002
11/2/2016				0.0107		
12/13/2016	0.01		0.01			
1/11/2017				0.0101	0.0866	
1/12/2017						<0.0002
2/6/2017			0.01			
2/8/2017	0.01					
2/13/2017				0.00994 (J)		<0.0002
2/14/2017					0.0895	
3/28/2017			0.01			
3/29/2017	0.01					
4/3/2017				0.00788 (J)		
4/4/2017						<0.0002
4/6/2017					0.0812	
4/24/2017			0.01			
4/26/2017	0.01					
5/15/2017				0.00866 (J)		
5/16/2017						<0.0002
5/17/2017					0.0741	
6/7/2017	<0.0002		<0.0002			
6/13/2017					0.0719	
6/14/2017				0.00779 (J)		<0.0002
1/31/2018					0.0943	
2/1/2018				0.0109		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				0.00618 (J)		
5/10/2018					0.069	
5/15/2018	<0.0002		<0.0002			
10/8/2018					0.0951	
10/9/2018				0.00745 (J)		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		0.00577 (J)				
4/16/2019	<0.0002		<0.0002			
4/24/2019					0.121	
5/1/2019				0.00932 (J)		<0.0002
8/27/2019				0.00563 (J)		
8/28/2019						<0.0002
8/29/2019					0.158	
9/24/2019		0.00906 (J)	<0.0002			
3/3/2020						<0.0002

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Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				0.0142	0.223	
3/18/2020			<0.0002			
3/25/2020		0.00508 (J)				
9/21/2020			<0.0002			
9/23/2020		0.00664 (J)				
10/19/2020				0.0116	0.305	
10/20/2020						<0.0002
2/2/2021		0.00252	<0.0002			
4/20/2021				0.0072		
4/21/2021						0.000741
5/3/2021					0.296	
8/2/2021		0.00206				
8/10/2021			<0.0002			
9/8/2021				0.00649		
9/14/2021						0.00075
9/15/2021					0.352	
2/14/2022		0.00276				
2/16/2022			0.00012 (J)			
3/15/2022				0.00568		
3/16/2022						0.00039
3/17/2022					0.751	
8/2/2022			<0.0002			
8/9/2022		0.00298				
9/19/2022				0.00547		
9/20/2022						0.00148
9/26/2022					0.74	

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Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	0.0204
7/20/2016	0.0267					
9/26/2016					<0.0002	0.00799 (J)
9/27/2016	0.0362					
10/31/2016					<0.0002	0.0458
11/1/2016	0.0329					
1/9/2017					<0.0002	0.00431 (J)
1/11/2017	0.0322					
2/14/2017					<0.0002	0.0255
2/15/2017	0.0374					
4/3/2017						0.0119
4/4/2017	0.036				<0.0002	
5/15/2017	0.0365					
5/16/2017					<0.0002	0.00405 (J)
6/12/2017					<0.0002	0.0216
6/14/2017	0.0368					
1/30/2018	0.113					
1/31/2018					<0.0002	
2/1/2018						0.00829 (J)
5/7/2018					<0.0002	0.0256
5/8/2018	0.119					
10/8/2018	0.31					
10/9/2018					<0.0002	0.0114
4/24/2019					<0.0002	0.0148
8/28/2019	0.646				<0.0002	0.107
3/3/2020						0.025
3/4/2020					<0.0002	
3/10/2020	0.49					
10/13/2020					<0.0002	0.0494
10/19/2020	0.858					
10/20/2020		0.00206 (J)	0.00311 (J)	<0.0002		
4/21/2021		0.00592	0.00029	0.000157 (J)		0.0515
4/26/2021					<0.0002	
5/5/2021	0.662					
9/1/2021					8E-05 (J)	0.0336
9/7/2021	0.821	0.00355	0.00017 (J)			
9/13/2021				9E-05 (J)		
3/8/2022						0.0418
3/9/2022		0.00325	0.00014 (J)	0.00012 (J)	0.00011 (J)	
3/17/2022	1.17					
9/19/2022		0.0034	0.00011 (J)			
9/20/2022					0.000518	0.0863
9/26/2022	0.555			<0.0002		

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Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				<0.0002		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				<0.0002		
4/4/2017				<0.0002		
5/16/2017				<0.0002		
6/14/2017				<0.0002		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	0.00498 (J)			0.0391	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	0.0131		<0.0002		
9/3/2019					0.055	<0.0002
3/3/2020				<0.0002		
3/9/2020			<0.0002			
3/10/2020	<0.0002	0.00972 (J)			0.0593	<0.0002
10/13/2020	<0.0002	0.00832 (J)				
10/14/2020			<0.0002			
10/19/2020					0.0683	<0.0002
10/21/2020				0.00458 (J)		
4/20/2021			0.000945			
4/26/2021				0.0018		
4/28/2021					0.0606	
5/3/2021						0.000249
5/5/2021	0.000351	0.00733				
9/7/2021	<0.0002					
9/8/2021					0.0609	0.00039
9/13/2021			0.00058			
9/14/2021		0.00851		0.0021		
3/8/2022	<0.0002	0.0104				
3/9/2022			0.00363		0.0621	0.00037
3/16/2022				0.00207		
9/14/2022	<0.0002		0.0168			
9/21/2022		0.0107			0.0713	0.000368
9/26/2022				0.00166		

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Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	0.00411 (J)					
8/28/2019	0.00208 (J)					
3/9/2020	<0.0002				0.005 (J)	
10/13/2020	<0.0002					
10/14/2020				<0.0002	0.00351 (J)	<0.0002
10/20/2020			0.00251 (J)			
10/26/2020		0.00248 (J)				
4/20/2021			0.00172	0.000515		
4/27/2021		0.009				0.00575
4/28/2021	0.00251					
5/5/2021					0.00321	
6/16/2021		0.0127	0.00089	0.00089		0.00481
9/14/2021	0.00116	0.00811				
9/15/2021			0.00102	0.0004	0.00282	0.00349
3/15/2022					0.00221	
3/16/2022			0.00135	0.00032		0.00535
3/17/2022	0.0005	0.00897				
9/14/2022					0.000638	0.00478
9/21/2022		0.0163	0.00098	0.000304		
9/26/2022	0.000416					

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Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						0.0139
3/9/2020		<0.0002				
3/10/2020			0.00436 (J)		0.0129	
10/14/2020						0.0223
10/15/2020					0.00939 (J)	
10/19/2020		0.00517 (J)				
10/20/2020			0.00856 (J)			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		0.0017				
4/21/2021			0.00576			
4/27/2021				0.00057		
4/28/2021					0.00777	
5/3/2021	0.00103					0.0166
9/8/2021						0.0184
9/13/2021		0.00156	0.00103	0.00036		
9/14/2021	0.00081				0.00617	
3/9/2022					0.00541	
3/14/2022	0.0007	0.00203				0.0186
3/16/2022			0.00234	0.00032		
9/19/2022			0.00295			
9/20/2022		0.00177		0.00118		0.0318
9/21/2022	0.000966				0.00498	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					0.0216	0.0307
9/26/2016					0.0226	0.0341
10/31/2016					0.0209	0.028
1/9/2017					0.0219	0.0303
2/13/2017					0.0235	0.0295
4/3/2017					0.0238	0.0261
5/16/2017					0.0232	0.0281
6/12/2017					0.0226	0.0298
1/29/2018					0.0236	0.037
5/10/2018					0.0219	0.0331
10/9/2018					0.0228	0.0377
4/22/2019						0.068
4/29/2019					0.0265	
8/27/2019					0.026	0.0557
3/3/2020					0.024	0.0648
3/9/2020	0.00255 (J)			<0.0002		
3/10/2020		0.00217 (J)				
10/13/2020		<0.0002			0.0265	0.0517
10/19/2020				<0.0002		
10/21/2020	0.00201 (J)					
10/27/2020			0.0195			
4/21/2021	0.00534		0.0505			
5/3/2021				<0.0002		
5/5/2021		0.0017			0.0243	0.0449
9/7/2021		0.00096			0.0254	0.0511
9/13/2021	0.00634		0.0711			
9/15/2021				0.0001 (J)		
3/8/2022		0.00121				
3/9/2022	0.00765					
3/16/2022			0.0981		0.0266	0.0488
3/17/2022				<0.0002		
9/14/2022			0.095			
9/19/2022	0.0052	0.0011			0.0264	0.0506
9/27/2022				<0.0002		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			0.0718	0.00707 (J)		
9/27/2016	<0.0002					
9/28/2016			0.0638	0.00623 (J)		
11/1/2016	<0.0002			0.0059 (J)		
11/2/2016			0.0665			
1/9/2017	<0.0002			0.00476 (J)		
1/10/2017			0.067			
2/13/2017	<0.0002			0.00615 (J)		
2/14/2017			0.0735			
4/3/2017			0.0719	0.00623 (J)		
4/4/2017	<0.0002					
5/16/2017	<0.0002			0.00662 (J)		
5/17/2017			0.0733			
6/12/2017	<0.0002		0.0655	0.00613 (J)		
1/29/2018	<0.0002					
2/1/2018			0.076	0.00656 (J)		
5/9/2018	<0.0002		0.061	0.00525 (J)		
10/8/2018	<0.0002		0.0686	0.00565 (J)		
3/5/2019		0.00512 (J)			0.0065 (J)	
4/23/2019			0.0731	0.00479 (J)		
4/29/2019	<0.0002					
8/27/2019	<0.0002	0.00763 (J)				
8/28/2019			0.0709	0.00285 (J)	0.00782 (J)	
3/2/2020			0.0725			
3/3/2020				0.00282 (J)	0.00777 (J)	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					0.00562 (J)	
10/20/2020				<0.0002		0.00424 (J)
10/21/2020			0.0877			
4/26/2021	8.18E-05 (J)	0.00109				
4/27/2021						0.00393
4/28/2021				0.00135	0.00578	
5/3/2021			0.0726			
9/1/2021	7E-05 (J)	0.00134		0.00174		0.00458
9/8/2021			0.0733		0.0061	
3/8/2022						0.00515
3/14/2022			0.0753			
3/15/2022	0.00011 (J)	0.00749				
3/16/2022				0.00145	0.00644	
9/20/2022			0.0901			0.00717
9/21/2022				0.00202		
9/26/2022	0.000153 (J)	0.0278			0.00701	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				0.0122
9/28/2016				0.00843 (J)
11/2/2016				0.00605 (J)
1/12/2017				0.0049 (J)
2/13/2017				0.00784 (J)
4/3/2017				0.00474 (J)
5/17/2017				0.00447 (J)
6/12/2017				0.003 (J)
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	0.00213 (J)	
10/20/2020	0.0356			
10/21/2020				<0.0002
4/27/2021	0.0324	0.00031	0.0015	
5/3/2021				0.000438
9/1/2021	0.0351	0.00035	0.00047	
9/8/2021				0.00029
3/8/2022	0.0333	0.00121	0.00027	
3/14/2022				0.00033
9/20/2022	0.0328			0.000184 (J)
9/21/2022		0.000304	0.000302	

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				7.52	6.73	6.74
8/2/2016	6.8					
8/3/2016			5.84			
9/20/2016	6.8					
9/21/2016			5.99			
9/26/2016				8.96		
9/27/2016					6.82	6.74
10/25/2016	6.85		5.94			
10/31/2016					6.78	
11/1/2016						6.71
11/2/2016				8.51		
12/13/2016	6.8		5.84			
1/11/2017				8.5	6.8	
1/12/2017						6.61
2/6/2017			5.9			
2/8/2017	6.76					
2/13/2017				8.63		6.58
2/14/2017					6.74	
3/28/2017			5.67			
3/29/2017	6.76					
3/30/2017				8.67		6.57
4/3/2017				7.63		
4/4/2017						6.56
4/6/2017					6.73	
4/24/2017			5.79			
4/26/2017	6.71					
5/15/2017				8.67		
5/16/2017						6.56
5/17/2017					6.73	
6/7/2017	6.71		5.71			
6/13/2017					6.71	
6/14/2017				8.39		6.5
8/21/2017			5.7			
8/22/2017	6.84					
9/19/2017				8.78		6.55
9/21/2017					6.8	
1/29/2018				8.84		
1/30/2018						7.09
1/31/2018					6.81	
2/19/2018			5.78			
2/20/2018	6.77					
3/27/2018				8.48 (D)		6.665 (D)
3/28/2018					6.895 (D)	
5/8/2018						7.04
5/9/2018				8.49		
5/10/2018					6.77	
5/15/2018	6.8		5.84			
10/8/2018					6.86	
10/9/2018				9.04		7.3
10/16/2018			5.75 (D)			
10/17/2018	6.67 (D)					
2/20/2019		7.76				

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
4/16/2019	6.64		5.76			
4/24/2019					6.91	
5/1/2019				11.01		6.64
8/27/2019				7.48		
8/28/2019						7.22
8/29/2019					6.93	
9/24/2019		7.65	5.27			
3/3/2020						6.6
3/9/2020				11.95	7.03	
3/18/2020			5.81			
3/25/2020		7.63				
9/21/2020			5.75			
9/23/2020		7.53				
10/19/2020				11.44	7.05	
10/20/2020						7.26
2/2/2021		7.58	5.69			
4/20/2021				9.55		
4/21/2021						6.54
5/3/2021					7.01	
8/2/2021		7.65				
8/10/2021			5.02			
9/8/2021				9.19		
9/14/2021						6.67
9/15/2021					7.04	
2/14/2022		7.43				
2/16/2022			5.8			
3/15/2022				8.71		
3/16/2022						6.94
3/17/2022					7.24	
8/2/2022			5.78			
8/9/2022		7.55				
9/19/2022				8.09		
9/20/2022						6.7
9/26/2022					7.16	

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					6.55	6.07
7/20/2016	6.63					
9/26/2016					6.55	5.91
9/27/2016	6.59					
10/31/2016					6.49	6.19
11/1/2016	6.6					
1/9/2017					6.46	6.03
1/11/2017	6.59					
2/14/2017					6.47	6.13
2/15/2017	6.59					
4/3/2017						5.97
4/4/2017	6.54				6.38	
5/15/2017	6.56					
5/16/2017					6.46	5.97
6/12/2017					6.41	6.1
6/14/2017	6.55					
9/19/2017					6.5	6.03
9/21/2017	6.53					
1/30/2018	6.59					5.95
1/31/2018					6.5	
3/28/2018	6.645 (D)				6.49 (D)	6.14 (D)
5/7/2018					6.42	6.01
5/8/2018	6.49					
10/8/2018	6.51					
10/9/2018					6.46	6
4/24/2019					6.46	6.01
8/28/2019	6.63				6.38	6.34
3/3/2020						6.19
3/4/2020					6.43	
3/10/2020	6.52					
10/13/2020					6.42	6.31
10/19/2020	6.5					
10/20/2020		6.81	6.28	6.46		
4/21/2021		6.87	6.19	6.49		6.39
4/26/2021					6.36	
5/5/2021	6.5					
9/1/2021					6.16	6.31
9/7/2021	6.46	6.77	5.98			
9/13/2021				6.3		
3/8/2022						6.15
3/9/2022		6.97	6.05	6.53	6.37	
3/17/2022	6.65					
9/19/2022		7.07	5.65			
9/20/2022					6.32	6.66
9/26/2022	6.71			6.49		

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				6.03		
9/28/2016				5.96		
11/1/2016				6.02		
1/11/2017				6.11		
2/14/2017				6.16		
4/4/2017				6.1		
5/16/2017				6.12		
6/14/2017				6.11		
9/20/2017				6.16		
1/30/2018				6.17		
3/27/2018				6.19 (D)		
5/9/2018				5.92		
10/9/2018				6.21		
3/6/2019	6.98	7.39			7.14	6.32
5/1/2019				6.25		
8/27/2019	6.98	7.28		6.25		
9/3/2019					7.49	6.34
3/3/2020				6.27		
3/9/2020			8.05			
3/10/2020	7.04	7.28			7.35	6.47
10/13/2020	7	7.23				
10/14/2020			8.25			
10/19/2020					7.33	6.51
10/21/2020				6.29		
4/20/2021			7.97			
4/26/2021				6.33		
4/28/2021					7.29	
5/3/2021						6.29
5/5/2021	6.99	7.31				
9/7/2021	6.82					
9/8/2021					7.37	6.33
9/13/2021			8.63			
9/14/2021		7.39		6.58		
3/8/2022	7.07	7.5				
3/9/2022			8.07		7.38	6.71
3/16/2022				6.14		
9/14/2022	6.55		7.79			
9/21/2022		7.21			7.26	6.33
9/26/2022				6.37		

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	7.26					
8/28/2019	7.42					
3/9/2020	7.7				7.6	
10/13/2020	7.68					
10/14/2020				6.84	7.66	7.46
10/20/2020			7.68			
10/26/2020		7.78				
4/20/2021			7.81	6.36		
4/27/2021		7.88				7.45
4/28/2021	7.73					
5/5/2021					7.7	
6/16/2021		7.87	7.7	6.69		7.29
9/14/2021	7.83	8.29				
9/15/2021			8.06	6.88	7.78	7.53
3/15/2022					7.61	
3/16/2022			7.94	6.92		7.48
3/17/2022	7.72	7.96				
9/14/2022					7.59	7.43
9/21/2022		7.82	8.09	6.78		
9/26/2022	7.36					

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						6.51
3/9/2020		6.8				
3/10/2020			6.91		7.27	
10/14/2020						6.45
10/15/2020					7.32	
10/19/2020		6.79				
10/20/2020			6.84			
10/26/2020	7.2					
10/27/2020				6.95		
4/20/2021		6.64				
4/21/2021			6.83			
4/27/2021				7.01		
4/28/2021					7.18	
5/3/2021	7.16					6.48
9/8/2021						6.37
9/13/2021		6.62	6.79	7.04		
9/14/2021	7.21				7.36	
3/9/2022					7.35	
3/14/2022	7.17	6.82				6.5
3/16/2022			6.72	6.94		
9/19/2022			6.78			
9/20/2022		6.72		7		6.29
9/21/2022	7.15				7.2	

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					6.72	8.95
9/26/2016					6.76	9.13
10/31/2016					6.72	9.04
1/9/2017					6.73	9.62
2/13/2017					6.73	9.43
3/29/2017					6.68	9.04
4/3/2017					6.73	9.18
5/16/2017					6.71	9.11
6/12/2017					6.79	9.54
9/20/2017					6.8	9.69
1/29/2018					6.82	9.76
3/27/2018					6.91 (D)	9.475 (D)
5/10/2018					6.79	9.44
10/9/2018					6.8	9.34
4/22/2019						9.17
4/29/2019					6.81	
8/27/2019					6.84	9.23
3/3/2020					6.85	9.4
3/9/2020	7.76			7.33		
3/10/2020		6.69				
10/13/2020		6.64			6.9	9.04
10/19/2020				7.32		
10/21/2020	7.79					
10/27/2020			7.54			
4/21/2021	7.81		7.72			
5/3/2021				7.41		
5/5/2021		6.72			6.9	9.1
9/7/2021		6.58			6.86	8.84
9/13/2021	8.2		7.8			
9/15/2021				7.22		
3/8/2022		6.77				
3/9/2022	8.09					
3/16/2022			7.51		7.04	9.05
3/17/2022				7.12		
9/14/2022			7.48			
9/19/2022	8.05	6.23			6.77	8.73
9/27/2022				7.39		

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	5.82					
7/26/2016			7.01	5.98		
9/27/2016	5.85					
9/28/2016			7.06	6		
11/1/2016	5.79			6		
11/2/2016			7.02			
1/9/2017	5.83			6.04		
1/10/2017			7.17			
2/13/2017	5.78			6.04		
2/14/2017			7.01			
3/29/2017				6.01		
3/30/2017	5.73					
4/3/2017			7.09	6.02		
4/4/2017	5.7					
5/16/2017	5.72			5.92		
5/17/2017			7			
6/12/2017	5.83		7.08	5.99		
9/18/2017			7.09	6.04		
9/20/2017	5.86					
1/29/2018	5.86					
1/31/2018			7.13	6.05		
3/27/2018	6 (D)		7.175 (D)	6.23 (D)		
5/9/2018	5.85		7.03	6.01		
10/8/2018	5.86		7.26	6.1		
3/5/2019		6.5			7.24	
4/23/2019			7.03	6.06		
4/29/2019	5.91					
8/27/2019	6.04	6.38				
8/28/2019			7.08	5.98	7.34	
3/2/2020			7.18			
3/3/2020				6.11	7.14	
3/4/2020	5.96	6.34				
10/14/2020	5.93	6.38				
10/19/2020					7.28	
10/20/2020				6.15		6.78
10/21/2020			7.07			
4/26/2021	5.75	6.34				
4/27/2021						6.8
4/28/2021				6.1	7.15	
5/3/2021			6.96			
9/1/2021	5.76	5.85		6.28		6.77
9/8/2021			7.08		6.98	
3/8/2022						6.81
3/14/2022			6.92			
3/15/2022	6.27	6.68				
3/16/2022				6.07	7.17	
9/20/2022			7.03			6.69
9/21/2022				6.08		
9/26/2022	6.05	6.75			7.76	

Time Series

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				7.88
9/28/2016				7.8
11/2/2016				7.86
1/12/2017				7.9
2/13/2017				7.86
3/30/2017				8.06
4/3/2017				8
5/17/2017				7.99
6/12/2017				7.91
9/18/2017				8.04
1/31/2018				8.23
3/27/2018				8.33 (D)
5/9/2018				8.6
10/8/2018				8.31
4/23/2019				8.18
8/29/2019				8.26
3/2/2020				8.34
10/15/2020		6.67	6.42	
10/20/2020	6.54			
10/21/2020				8.16
4/27/2021	6.56	6.68	6.36	
5/3/2021				8.32
9/1/2021	6.57	6.66	6.33	
9/8/2021				8.34
3/8/2022	6.61	6.75	6.28	
3/14/2022				8.47
9/20/2022	6.5			8.07
9/21/2022		6.71	6.49	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.00102	<0.00102	<0.00102
8/2/2016	0.01					
8/3/2016			0.01			
9/20/2016	0.01					
9/21/2016			0.01			
9/26/2016				<0.00102		
9/27/2016					<0.00102	<0.00102
10/25/2016	0.01		0.01			
10/31/2016					<0.00102	
11/1/2016						<0.00102
11/2/2016				<0.00102		
12/13/2016	0.01		0.01			
1/11/2017				<0.00102	<0.00102	
1/12/2017						<0.00102
2/6/2017			0.01			
2/8/2017	0.01					
2/13/2017				<0.00102		<0.00102
2/14/2017					<0.00102	
3/28/2017			0.01			
3/29/2017	0.01					
4/3/2017				<0.00102		
4/4/2017						<0.00102
4/6/2017					<0.00102	
4/24/2017			0.01			
4/26/2017	0.01					
5/15/2017				<0.00102		
5/16/2017						<0.00102
5/17/2017					<0.00102	
6/7/2017	<0.00102		<0.00102			
6/13/2017					<0.00102	
6/14/2017				<0.00102		<0.00102
1/31/2018					<0.00102	
2/1/2018				<0.00102		<0.00102
2/19/2018			<0.00102			
2/20/2018	<0.00102					
5/8/2018						<0.00102
5/9/2018				<0.00102		
5/10/2018					<0.00102	
5/15/2018	<0.00102		<0.00102			
10/8/2018					<0.00102	
10/9/2018				<0.00102		<0.00102
10/16/2018			<0.00102			
10/17/2018	<0.00102					
2/20/2019		<0.00102				
4/16/2019	<0.00102		<0.00102			
4/24/2019					<0.00102	
5/1/2019				<0.00102		<0.00102
8/27/2019				<0.00102		
8/28/2019						<0.00102
8/29/2019					<0.00102	
9/24/2019		<0.00102	<0.00102			
3/3/2020						<0.00102

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.00102	<0.00102	
3/18/2020			<0.00102			
3/25/2020		<0.00102				
9/21/2020			<0.00102			
9/23/2020		<0.00102				
10/19/2020				<0.00102	<0.00102	
10/20/2020						<0.00102
2/2/2021		<0.00102	<0.00102			
4/20/2021				<0.00102		
4/21/2021						<0.00102
5/3/2021					<0.00102	
8/2/2021		<0.00102				
8/10/2021			<0.00102			
9/8/2021				<0.00102		
9/14/2021						<0.00102
9/15/2021					<0.00102	
2/14/2022		<0.00102				
2/16/2022			<0.00102			
3/15/2022				<0.00102		
3/16/2022						<0.00102
3/17/2022					<0.00102	
8/2/2022			<0.00102			
8/9/2022		<0.00102				
9/19/2022				<0.00102		
9/20/2022						<0.00102
9/26/2022					<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.00102	<0.00102
7/20/2016	<0.00102					
9/26/2016					<0.00102	0.00341 (J)
9/27/2016	<0.00102					
10/31/2016					<0.00102	<0.00102
11/1/2016	<0.00102					
1/9/2017					<0.00102	0.00273 (J)
1/11/2017	<0.00102					
2/14/2017					<0.00102	0.00281 (J)
2/15/2017	<0.00102					
4/3/2017						0.00262 (J)
4/4/2017	<0.00102				<0.00102	
5/15/2017	<0.00102					
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
6/14/2017	<0.00102					
1/30/2018	<0.00102					
1/31/2018					<0.00102	
2/1/2018						<0.00102
5/7/2018					<0.00102	0.00204 (J)
5/8/2018	<0.00102					
10/8/2018	<0.00102					
10/9/2018					<0.00102	<0.00102
4/24/2019					<0.00102	<0.00102
8/28/2019	<0.00102				<0.00102	<0.00102
3/3/2020						0.00271 (J)
3/4/2020					<0.00102	
3/10/2020	<0.00102					
10/13/2020					<0.00102	0.00351 (J)
10/19/2020	<0.00102					
10/20/2020		<0.00102	<0.00102	<0.00102		
4/21/2021		<0.00102	<0.00102	<0.00102		0.000975 (J)
4/26/2021					<0.00102	
5/5/2021	<0.00102					
9/1/2021					<0.00102	0.00629
9/7/2021	<0.00102	<0.00102	<0.00102			
9/13/2021				<0.00102		
3/8/2022						0.00171
3/9/2022		<0.00102	<0.00102	<0.00102	<0.00102	
3/17/2022	<0.00102					
9/19/2022		<0.00102	0.000598 (J)			
9/20/2022					<0.00102	<0.00102
9/26/2022	<0.00102			<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.00102		
9/28/2016				<0.00102		
11/1/2016				<0.00102		
1/11/2017				<0.00102		
2/14/2017				<0.00102		
4/4/2017				<0.00102		
5/16/2017				<0.00102		
6/14/2017				<0.00102		
2/1/2018				<0.00102		
5/9/2018				<0.00102		
10/9/2018				<0.00102		
3/6/2019	<0.00102	<0.00102			<0.00102	<0.00102
5/1/2019				<0.00102		
8/27/2019	<0.00102	<0.00102		<0.00102		
9/3/2019					<0.00102	<0.00102
3/3/2020				<0.00102		
3/9/2020			0.00512 (J)			
3/10/2020	<0.00102	<0.00102			<0.00102	<0.00102
10/13/2020	<0.00102	<0.00102				
10/14/2020			<0.00102			
10/19/2020					<0.00102	<0.00102
10/21/2020				<0.00102		
4/20/2021			<0.00102			
4/26/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021						<0.00102
5/5/2021	<0.00102	<0.00102				
9/7/2021	<0.00102					
9/8/2021					<0.00102	<0.00102
9/13/2021			<0.00102			
9/14/2021		<0.00102		<0.00102		
3/8/2022	<0.00102	<0.00102				
3/9/2022			<0.00102		<0.00102	<0.00102
3/16/2022				<0.00102		
9/14/2022	<0.00102		<0.00102			
9/21/2022		<0.00102			<0.00102	<0.00102
9/26/2022				<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.00102					
8/28/2019	<0.00102					
3/9/2020	<0.00102				<0.00102	
10/13/2020	<0.00102					
10/14/2020				<0.00102	<0.00102	<0.00102
10/20/2020			<0.00102			
10/26/2020		<0.00102				
4/20/2021			<0.00102	<0.00102		
4/27/2021		<0.00102				<0.00102
4/28/2021	<0.00102					
5/5/2021					<0.00102	
6/16/2021		<0.00102	<0.00102	<0.00102		<0.00102
9/14/2021	<0.00102	<0.00102				
9/15/2021			<0.00102	<0.00102	<0.00102	<0.00102
3/15/2022					<0.00102	
3/16/2022			<0.00102	<0.00102		<0.00102
3/17/2022	<0.00102	<0.00102				
9/14/2022					<0.00102	<0.00102
9/21/2022		<0.00102	<0.00102	<0.00102		
9/26/2022	<0.00102					

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.00102
3/9/2020		<0.00102				
3/10/2020			0.00228 (J)		<0.00102	
10/14/2020						<0.00102
10/15/2020					<0.00102	
10/19/2020		<0.00102				
10/20/2020			<0.00102			
10/26/2020	<0.00102					
10/27/2020				<0.00102		
4/20/2021		<0.00102				
4/21/2021			<0.00102			
4/27/2021				<0.00102		
4/28/2021					<0.00102	
5/3/2021	<0.00102					<0.00102
9/8/2021						<0.00102
9/13/2021		<0.00102	<0.00102	<0.00102		
9/14/2021	<0.00102				<0.00102	
3/9/2022					<0.00102	
3/14/2022	<0.00102	<0.00102				<0.00102
3/16/2022			<0.00102	<0.00102		
9/19/2022			<0.00102			
9/20/2022		<0.00102		<0.00102		<0.00102
9/21/2022	<0.00102				<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.00102	<0.00102
9/26/2016					<0.00102	<0.00102
10/31/2016					<0.00102	<0.00102
1/9/2017					<0.00102	<0.00102
2/13/2017					<0.00102	<0.00102
4/3/2017					<0.00102	<0.00102
5/16/2017					<0.00102	<0.00102
6/12/2017					<0.00102	<0.00102
1/29/2018					<0.00102	<0.00102
5/10/2018					<0.00102	<0.00102
10/9/2018					<0.00102	<0.00102
4/22/2019						<0.00102
4/29/2019					<0.00102	
8/27/2019					<0.00102	<0.00102
3/3/2020					<0.00102	<0.00102
3/9/2020	0.0461			<0.00102		
3/10/2020		<0.00102				
10/13/2020		<0.00102			<0.00102	<0.00102
10/19/2020				<0.00102		
10/21/2020	<0.00102					
10/27/2020			<0.00102			
4/21/2021	<0.00102		<0.00102			
5/3/2021				<0.00102		
5/5/2021		<0.00102			<0.00102	<0.00102
9/7/2021		<0.00102			<0.00102	<0.00102
9/13/2021	<0.00102		<0.00102			
9/15/2021				<0.00102		
3/8/2022		<0.00102				
3/9/2022	<0.00102					
3/16/2022			<0.00102		<0.00102	<0.00102
3/17/2022				<0.00102		
9/14/2022			<0.00102			
9/19/2022	<0.00102	<0.00102			<0.00102	<0.00102
9/27/2022				<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.00102					
7/26/2016			<0.00102	<0.00102		
9/27/2016	0.0023 (J)					
9/28/2016			<0.00102	<0.00102		
11/1/2016	<0.00102			<0.00102		
11/2/2016			<0.00102			
1/9/2017	0.00278 (J)			<0.00102		
1/10/2017			<0.00102			
2/13/2017	0.00291 (J)			<0.00102		
2/14/2017			<0.00102			
4/3/2017			<0.00102	<0.00102		
4/4/2017	0.00343 (J)					
5/16/2017	0.003 (J)			<0.00102		
5/17/2017			<0.00102			
6/12/2017	0.00255 (J)		<0.00102	<0.00102		
1/29/2018	0.00273 (J)					
2/1/2018			<0.00102	<0.00102		
5/9/2018	<0.00102		<0.00102	<0.00102		
10/8/2018	<0.00102		<0.00102	<0.00102		
3/5/2019		<0.00102			<0.00102	
4/23/2019			<0.00102	<0.00102		
4/29/2019	<0.00102					
8/27/2019	<0.00102	<0.00102				
8/28/2019			<0.00102	<0.00102	<0.00102	
3/2/2020			<0.00102			
3/3/2020				<0.00102	<0.00102	
3/4/2020	<0.00102	<0.00102				
10/14/2020	<0.00102	<0.00102				
10/19/2020					<0.00102	
10/20/2020				<0.00102		<0.00102
10/21/2020			<0.00102			
4/26/2021	0.00112	<0.00102				
4/27/2021						<0.00102
4/28/2021				<0.00102	<0.00102	
5/3/2021			<0.00102			
9/1/2021	0.00077 (J)	<0.00102		<0.00102		<0.00102
9/8/2021			<0.00102		<0.00102	
3/8/2022						<0.00102
3/14/2022			<0.00102			
3/15/2022	<0.00102	<0.00102				
3/16/2022				<0.00102	<0.00102	
9/20/2022			<0.00102			<0.00102
9/21/2022				<0.00102		
9/26/2022	<0.00102	<0.00102			<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.00102
9/28/2016				<0.00102
11/2/2016				<0.00102
1/12/2017				<0.00102
2/13/2017				<0.00102
4/3/2017				<0.00102
5/17/2017				<0.00102
6/12/2017				<0.00102
2/1/2018				<0.00102
5/9/2018				<0.00102
10/8/2018				<0.00102
4/23/2019				<0.00102
8/29/2019				<0.00102
3/2/2020				<0.00102
10/15/2020		<0.00102	<0.00102	
10/20/2020	<0.00102			
10/21/2020				<0.00102
4/27/2021	<0.00102	<0.00102	<0.00102	
5/3/2021				<0.00102
9/1/2021	<0.00102	<0.00102	<0.00102	
9/8/2021				<0.00102
3/8/2022	<0.00102	<0.00102	<0.00102	
3/14/2022				<0.00102
9/20/2022	<0.00102			<0.00102
9/21/2022		<0.00102	<0.00102	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				585	787	637
8/2/2016	12					
8/3/2016			4.2			
9/20/2016	11.2					
9/21/2016			4.27			
9/26/2016				480		
9/27/2016					714	612
10/25/2016	10.1		2.78			
10/31/2016					741	
11/1/2016						619
11/2/2016				462		
12/13/2016	11.4		3.18			
1/11/2017				515	731	
1/12/2017						654
2/6/2017			3.74			
2/8/2017	10.9					
2/14/2017					670	
3/28/2017			3.4 (JD)			
3/29/2017	11 (D)					
3/30/2017				470		650
4/3/2017				560		
4/4/2017						690
4/6/2017					640	
4/24/2017			2.7 (JD)			
4/26/2017	11 (D)					
5/15/2017				410		
5/16/2017						590
5/17/2017					620	
6/7/2017	11		2.7 (J)			
6/13/2017					950	
6/14/2017				450		620
8/21/2017			3.9 (J)			
8/22/2017	11					
9/19/2017				430		630
9/21/2017					660	
3/27/2018				430		620
3/28/2018					730	
5/8/2018						550
5/9/2018				460		
5/10/2018					680	
5/15/2018	11		2.5 (J)			
10/8/2018					750	
10/9/2018				420		450
10/16/2018			2.4 (J)			
10/17/2018	12					
2/20/2019		15.2				
4/16/2019	12.1		4.53			
4/24/2019					950	
5/1/2019				309		549
8/27/2019				639		
8/28/2019						605
8/29/2019					847	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/24/2019		11.8	6.61			
3/3/2020						618
3/9/2020				341	1010	
3/18/2020			4.86			
3/25/2020		9.69				
9/21/2020			4.69			
9/23/2020		11.1				
10/19/2020				233	781	
10/20/2020						575
2/2/2021		8.81	4.83			
4/20/2021				305		
4/21/2021						559
5/3/2021					917	
8/2/2021		10.2				
8/10/2021			3.77			
9/8/2021				472		
9/14/2021						588
9/15/2021					910	
2/14/2022		9.09				
2/16/2022			4.68			
3/15/2022				512		
3/16/2022						707
3/17/2022					735	
8/2/2022			4.18			
8/9/2022		8.13				
9/19/2022				548		
9/20/2022						678
9/26/2022					1560	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					69.3	683
7/20/2016	895					
9/26/2016					74.7	707
9/27/2016	841					
10/31/2016					80.6	610
11/1/2016	829					
1/9/2017					77.9	707
1/11/2017	855					
2/14/2017					68	670
2/15/2017	860					
4/3/2017						520
4/4/2017	1100				71	
5/15/2017	900					
5/16/2017					62	470
6/12/2017					77	510
6/14/2017	1100					
9/19/2017					72	460
9/21/2017	1100					
3/28/2018	1300				73	450
5/7/2018					77	430
5/8/2018	1400					
10/8/2018	1500					
10/9/2018					76	580
4/24/2019					91.9	385
8/28/2019	1780				227	384
3/3/2020						198
3/4/2020					93.9	
3/10/2020	1580					
10/13/2020					107	366
10/19/2020	1630					
10/20/2020		65.8	285	39.3		
4/21/2021		151	610	43.1		392
4/26/2021					157	
5/5/2021	1510					
9/1/2021					163	427
9/7/2021	1850	167	871			
9/13/2021				48.8		
3/8/2022						530
3/9/2022		210	902	48.7	123	
3/17/2022	1730					
9/19/2022		179	714			
9/20/2022					352	503
9/26/2022	845			48.700001		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				1340		
9/28/2016				1680		
11/1/2016				1430		
1/11/2017				1550		
2/14/2017				1500		
4/4/2017				1700		
5/16/2017				1500		
6/14/2017				1700		
9/20/2017				1400		
3/27/2018				1500		
5/9/2018				1300		
10/9/2018				1500		
3/6/2019	60.4	158			904	619
5/1/2019				1580		
8/27/2019	83.6	427		1570		
9/3/2019					820	529
3/3/2020				1690		
3/9/2020			35			
3/10/2020	51.9	98.1			793	550
10/13/2020	81.6	362				
10/14/2020			83.1			
10/19/2020					634	475
10/21/2020				1360		
4/20/2021			167			
4/26/2021				1580		
4/28/2021					645	
5/3/2021						438
5/5/2021	93.2	270				
9/7/2021	65.8					
9/8/2021					718	463
9/13/2021			58.8			
9/14/2021		291		1690		
3/8/2022	62.1	125				
3/9/2022			110		785	398
3/16/2022				1630		
9/14/2022	78.300003		225			
9/21/2022		242			685	297
9/26/2022				1570		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	116					
8/28/2019	108					
3/9/2020	111				0.908 (J)	
10/13/2020	135					
10/14/2020				184	1.1	5.51
10/20/2020			36.4			
10/26/2020		7.91				
4/20/2021			31.4	145		
4/27/2021		56.7				27.9
4/28/2021	136					
5/5/2021					1.38	
6/16/2021		56.8	17.1	147		26.1
9/14/2021	139	30.9				
9/15/2021			18.4	146	7.45	26.5
3/15/2022					0.862 (J)	
3/16/2022			24.8	174		33.5
3/17/2022	137	66.2				
9/14/2022					<2	47
9/21/2022		128	23	169		
9/26/2022	134					

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						679
3/9/2020		105				
3/10/2020			820		16.3	
10/14/2020						700
10/15/2020					7.29	
10/19/2020		173				
10/20/2020			850			
10/26/2020	61.6					
10/27/2020				410		
4/20/2021		96.2				
4/21/2021			796			
4/27/2021				404		
4/28/2021					21.8	
5/3/2021	69.2					710
9/8/2021						818
9/13/2021		133	764	416		
9/14/2021	66.2				16.2	
3/9/2022					18.2	
3/14/2022	65.4	105				730
3/16/2022			761	414		
9/19/2022			721			
9/20/2022		78.300003		403		752
9/21/2022	62.900002				16.5	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					900	237
9/26/2016					814	105
10/31/2016					800	94.9
1/9/2017					833	131
3/29/2017					760	160
4/3/2017					860	180
5/16/2017					630	160
6/12/2017					710	160
9/20/2017					590	140
3/27/2018					540	140
5/10/2018					540	120
10/9/2018					700	130
4/22/2019						249
4/29/2019					484	
8/27/2019					529	248
3/3/2020					488	298
3/9/2020	220			31.5		
3/10/2020		182				
10/13/2020		196			473	236
10/19/2020				32.4		
10/21/2020	279					
10/27/2020			285			
4/21/2021	372		559			
5/3/2021				34.8		
5/5/2021		184			501	224
9/7/2021		211			513	243
9/13/2021	257		628			
9/15/2021				36.4		
3/8/2022		199				
3/9/2022	185					
3/16/2022			746		352	227
3/17/2022				36		
9/14/2022			572			
9/19/2022	158	205			352	159
9/27/2022				33.799999		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	981					
7/26/2016			1040	532		
9/27/2016	958					
9/28/2016			1020	540		
11/1/2016	933			521		
11/2/2016			1000			
1/9/2017	896			543		
1/10/2017			995			
2/14/2017			950			
3/29/2017				540		
3/30/2017	930					
4/3/2017			1100	550		
4/4/2017	870					
5/16/2017	780			490		
5/17/2017			930			
6/12/2017	790		940	560		
9/18/2017			830	510		
9/20/2017	710					
3/27/2018	620		780	510		
5/9/2018	600		790	500		
10/8/2018	650		820	490		
3/5/2019		553			526	
4/23/2019			884	638		
4/29/2019	758					
8/27/2019	670	706				
8/28/2019			818	609	228	
3/2/2020			859			
3/3/2020				600	309	
3/4/2020	604	498				
10/14/2020	527	554				
10/19/2020					238	
10/20/2020				513		384
10/21/2020			669			
4/26/2021	554	512				
4/27/2021						390
4/28/2021				551	268	
5/3/2021			752			
9/1/2021	637	619		575		398
9/8/2021			805		332	
3/8/2022						407
3/14/2022			810			
3/15/2022	475	702				
3/16/2022				587	266	
9/20/2022			866			414
9/21/2022				535		
9/26/2022	393	749			240	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				487
9/28/2016				422
11/2/2016				345
1/12/2017				281
3/30/2017				160
4/3/2017				190
5/17/2017				190
6/12/2017				150
9/18/2017				86
3/27/2018				31
5/9/2018				29
10/8/2018				4.7 (J)
4/23/2019				8.17
8/29/2019				92
3/2/2020				19.8
10/15/2020		303	339	
10/20/2020	268			
10/21/2020				7.39
4/27/2021	288	329	342	
5/3/2021				48.2
9/1/2021	279	314	335	
9/8/2021				33.4
3/8/2022	279	296	349	
3/14/2022				51.7
9/20/2022	281			34.599998
9/21/2022		665	305	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:34 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				<0.0002	<0.0002	<0.0002
8/2/2016	0.001					
8/3/2016			0.001			
9/20/2016	0.001					
9/21/2016			0.001			
9/26/2016				<0.0002		
9/27/2016					<0.0002	<0.0002
10/25/2016	0.001		0.001			
10/31/2016					<0.0002	
11/1/2016						<0.0002
11/2/2016				<0.0002		
12/13/2016	0.001		0.001			
1/11/2017				<0.0002	<0.0002	
1/12/2017						<0.0002
2/6/2017			0.001			
2/8/2017	0.001					
2/13/2017				<0.0002		<0.0002
2/14/2017					<0.0002	
3/28/2017			0.001			
3/29/2017	0.001					
4/3/2017				<0.0002		
4/4/2017						<0.0002
4/6/2017					<0.0002	
4/24/2017			0.001			
4/26/2017	0.001					
5/15/2017				<0.0002		
5/16/2017						<0.0002
5/17/2017					<0.0002	
6/7/2017	<0.0002		<0.0002			
6/13/2017					<0.0002	
6/14/2017				<0.0002		<0.0002
1/31/2018					<0.0002	
2/1/2018				<0.0002		<0.0002
2/19/2018			<0.0002			
2/20/2018	<0.0002					
5/8/2018						<0.0002
5/9/2018				<0.0002		
5/10/2018					<0.0002	
5/15/2018	<0.0002		<0.0002			
10/8/2018					<0.0002	
10/9/2018				<0.0002		<0.0002
10/16/2018			<0.0002			
10/17/2018	<0.0002					
2/20/2019		<0.0002				
4/16/2019	<0.0002		<0.0002			
4/24/2019					<0.0002	
5/1/2019				<0.0002		<0.0002
8/27/2019				<0.0002		
8/28/2019						<0.0002
8/29/2019					<0.0002	
9/24/2019		<0.0002	<0.0002			
3/3/2020						<0.0002

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				<0.0002	<0.0002	
3/18/2020			<0.0002			
3/25/2020		<0.0002				
9/21/2020			<0.0002			
9/23/2020		<0.0002				
10/19/2020				<0.0002	<0.0002	
10/20/2020						<0.0002
2/2/2021		<0.0002	<0.0002			
4/20/2021				<0.0002		
4/21/2021						<0.0002
5/3/2021					<0.0002	
8/2/2021		<0.0002				
8/10/2021			<0.0002			
9/8/2021				<0.0002		
9/14/2021						<0.0002
9/15/2021					<0.0002	
2/14/2022		<0.0002				
2/16/2022			<0.0002			
3/15/2022				<0.0002		
3/16/2022						<0.0002
3/17/2022					<0.0002	
8/2/2022			<0.0002			
8/9/2022		<0.0002				
9/19/2022				<0.0002		
9/20/2022						<0.0002
9/26/2022					<0.0002	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					<0.0002	<0.0002
7/20/2016	<0.0002					
9/26/2016					<0.0002	<0.0002
9/27/2016	<0.0002					
10/31/2016					<0.0002	<0.0002
11/1/2016	<0.0002					
1/9/2017					<0.0002	0.000242 (J)
1/11/2017	<0.0002					
2/14/2017					<0.0002	<0.0002
2/15/2017	<0.0002					
4/3/2017						0.000226 (J)
4/4/2017	<0.0002				<0.0002	
5/15/2017	<0.0002					
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
6/14/2017	<0.0002					
1/30/2018	<0.0002					
1/31/2018					<0.0002	
2/1/2018						<0.0002
5/7/2018					<0.0002	0.0003 (J)
5/8/2018	<0.0002					
10/8/2018	<0.0002					
10/9/2018					<0.0002	<0.0002
4/24/2019					<0.0002	<0.0002
8/28/2019	<0.0002				<0.0002	<0.0002
3/3/2020						<0.0002
3/4/2020					<0.0002	
3/10/2020	<0.0002					
10/13/2020					<0.0002	<0.0002
10/19/2020	<0.0002					
10/20/2020		<0.0002	<0.0002	<0.0002		
4/21/2021		<0.0002	7.01E-05 (J)	<0.0002		7.18E-05 (J)
4/26/2021					<0.0002	
5/5/2021	<0.0002					
9/1/2021					<0.0002	<0.0002
9/7/2021	<0.0002	<0.0002	8E-05 (J)			
9/13/2021				<0.0002		
3/8/2022						7E-05 (J)
3/9/2022		<0.0002	0.00013 (J)	<0.0002	<0.0002	
3/17/2022	<0.0002					
9/19/2022		<0.0002	0.000159 (J)			
9/20/2022					<0.0002	<0.0002
9/26/2022	<0.0002			<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				<0.0002		
9/28/2016				0.000214 (J)		
11/1/2016				<0.0002		
1/11/2017				<0.0002		
2/14/2017				0.000219 (J)		
4/4/2017				0.000202 (J)		
5/16/2017				<0.0002		
6/14/2017				0.000266 (J)		
2/1/2018				<0.0002		
5/9/2018				<0.0002		
10/9/2018				<0.0002		
3/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
5/1/2019				<0.0002		
8/27/2019	<0.0002	<0.0002		<0.0002		
9/3/2019					<0.0002	<0.0002
3/3/2020				<0.0002		
3/9/2020			<0.0002			
3/10/2020	<0.0002	<0.0002			<0.0002	<0.0002
10/13/2020	<0.0002	<0.0002				
10/14/2020			<0.0002			
10/19/2020					<0.0002	<0.0002
10/21/2020				<0.0002		
4/20/2021			<0.0002			
4/26/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021						<0.0002
5/5/2021	<0.0002	<0.0002				
9/7/2021	<0.0002					
9/8/2021					<0.0002	<0.0002
9/13/2021			<0.0002			
9/14/2021		<0.0002		<0.0002		
3/8/2022	<0.0002	<0.0002				
3/9/2022			<0.0002		<0.0002	<0.0002
3/16/2022				<0.0002		
9/14/2022	<0.0002		<0.0002			
9/21/2022		<0.0002			<0.0002	<0.0002
9/26/2022				<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	<0.0002					
8/28/2019	<0.0002					
3/9/2020	<0.0002				<0.0002	
10/13/2020	<0.0002					
10/14/2020				<0.0002	<0.0002	<0.0002
10/20/2020			<0.0002			
10/26/2020		<0.0002				
4/20/2021			<0.0002	<0.0002		
4/27/2021		<0.0002				<0.0002
4/28/2021	<0.0002					
5/5/2021					<0.0002	
6/16/2021		<0.0002	<0.0002	<0.0002		<0.0002
9/14/2021	<0.0002	<0.0002				
9/15/2021			<0.0002	<0.0002	<0.0002	<0.0002
3/15/2022					<0.0002	
3/16/2022			<0.0002	<0.0002		<0.0002
3/17/2022	<0.0002	<0.0002				
9/14/2022					<0.0002	<0.0002
9/21/2022		<0.0002	<0.0002	<0.0002		
9/26/2022	<0.0002					

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						<0.0002
3/9/2020		<0.0002				
3/10/2020			<0.0002		<0.0002	
10/14/2020						<0.0002
10/15/2020					<0.0002	
10/19/2020		<0.0002				
10/20/2020			<0.0002			
10/26/2020	<0.0002					
10/27/2020				<0.0002		
4/20/2021		<0.0002				
4/21/2021			<0.0002			
4/27/2021				<0.0002		
4/28/2021					<0.0002	
5/3/2021	<0.0002					<0.0002
9/8/2021						<0.0002
9/13/2021		<0.0002	<0.0002	<0.0002		
9/14/2021	<0.0002				<0.0002	
3/9/2022					<0.0002	
3/14/2022	<0.0002	<0.0002				<0.0002
3/16/2022			<0.0002	<0.0002		
9/19/2022			<0.0002			
9/20/2022		<0.0002		<0.0002		<0.0002
9/21/2022	<0.0002				<0.0002	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					<0.0002	<0.0002
9/26/2016					<0.0002	<0.0002
10/31/2016					<0.0002	<0.0002
1/9/2017					<0.0002	<0.0002
2/13/2017					<0.0002	<0.0002
4/3/2017					<0.0002	<0.0002
5/16/2017					<0.0002	<0.0002
6/12/2017					<0.0002	<0.0002
1/29/2018					<0.0002	<0.0002
5/10/2018					<0.0002	<0.0002
10/9/2018					<0.0002	<0.0002
4/22/2019						<0.0002
4/29/2019					<0.0002	
8/27/2019					<0.0002	<0.0002
3/3/2020					<0.0002	<0.0002
3/9/2020	<0.0002			<0.0002		
3/10/2020		<0.0002				
10/13/2020		<0.0002			<0.0002	<0.0002
10/19/2020				<0.0002		
10/21/2020	<0.0002					
10/27/2020			<0.0002			
4/21/2021	<0.0002		<0.0002			
5/3/2021				<0.0002		
5/5/2021		<0.0002			<0.0002	<0.0002
9/7/2021		<0.0002			<0.0002	<0.0002
9/13/2021	<0.0002		<0.0002			
9/15/2021				<0.0002		
3/8/2022		<0.0002				
3/9/2022	<0.0002					
3/16/2022			<0.0002		<0.0002	<0.0002
3/17/2022				<0.0002		
9/14/2022			<0.0002			
9/19/2022	<0.0002	<0.0002			<0.0002	<0.0002
9/27/2022				<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	<0.0002					
7/26/2016			<0.0002	<0.0002		
9/27/2016	<0.0002					
9/28/2016			<0.0002	<0.0002		
11/1/2016	<0.0002			<0.0002		
11/2/2016			<0.0002			
1/9/2017	<0.0002			<0.0002		
1/10/2017			<0.0002			
2/13/2017	<0.0002			<0.0002		
2/14/2017			<0.0002			
4/3/2017			<0.0002	<0.0002		
4/4/2017	<0.0002					
5/16/2017	<0.0002			<0.0002		
5/17/2017			<0.0002			
6/12/2017	<0.0002		<0.0002	<0.0002		
1/29/2018	<0.0002					
2/1/2018			<0.0002	<0.0002		
5/9/2018	<0.0002		<0.0002	<0.0002		
10/8/2018	<0.0002		<0.0002	<0.0002		
3/5/2019		<0.0002			<0.0002	
4/23/2019			<0.0002	<0.0002		
4/29/2019	<0.0002					
8/27/2019	<0.0002	<0.0002				
8/28/2019			<0.0002	<0.0002	<0.0002	
3/2/2020			<0.0002			
3/3/2020				<0.0002	<0.0002	
3/4/2020	<0.0002	<0.0002				
10/14/2020	<0.0002	<0.0002				
10/19/2020					<0.0002	
10/20/2020				<0.0002		<0.0002
10/21/2020			<0.0002			
4/26/2021	<0.0002	<0.0002				
4/27/2021						<0.0002
4/28/2021				<0.0002	<0.0002	
5/3/2021			<0.0002			
9/1/2021	<0.0002	<0.0002		<0.0002		<0.0002
9/8/2021			<0.0002		<0.0002	
3/8/2022						<0.0002
3/14/2022			<0.0002			
3/15/2022	7E-05 (J)	<0.0002				
3/16/2022				<0.0002	<0.0002	
9/20/2022			<0.0002			<0.0002
9/21/2022				<0.0002		
9/26/2022	<0.0002	<0.0002			<0.0002	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				<0.0002
9/28/2016				<0.0002
11/2/2016				<0.0002
1/12/2017				<0.0002
2/13/2017				<0.0002
4/3/2017				<0.0002
5/17/2017				<0.0002
6/12/2017				<0.0002
2/1/2018				<0.0002
5/9/2018				<0.0002
10/8/2018				<0.0002
4/23/2019				<0.0002
8/29/2019				<0.0002
3/2/2020				<0.0002
10/15/2020		<0.0002	<0.0002	
10/20/2020	<0.0002			
10/21/2020				<0.0002
4/27/2021	<0.0002	<0.0002	<0.0002	
5/3/2021				<0.0002
9/1/2021	<0.0002	<0.0002	<0.0002	
9/8/2021				<0.0002
3/8/2022	<0.0002	<0.0002	<0.0002	
3/14/2022				<0.0002
9/20/2022	<0.0002			<0.0002
9/21/2022		<0.0002	<0.0002	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/25/2016				1060	1440	456
8/2/2016	221					
8/3/2016			113			
9/20/2016	221					
9/21/2016			128			
9/26/2016				852		
9/27/2016					1310	1170
10/25/2016	226		121			
10/31/2016					1360	
11/1/2016						1160
11/2/2016				888		
12/13/2016	211		101			
1/11/2017				920	1310	
1/12/2017						1180
2/6/2017			108			
2/8/2017	212					
2/13/2017				848		1130
2/14/2017					1270	
3/28/2017			91			
3/29/2017	217					
4/3/2017				1000		
4/4/2017						1140
4/6/2017					1320	
4/24/2017			89.3			
4/26/2017	202					
5/15/2017				870		
5/16/2017						1080
5/17/2017					1280	
6/7/2017	218		84			
6/13/2017					1310	
6/14/2017				910		1220
8/21/2017			91.3			
8/22/2017	224					
9/19/2017				824		1140
9/21/2017					1350	
5/8/2018						1070
5/9/2018				1020		
5/10/2018					1310	
5/15/2018	209		94.7			
10/8/2018					1430 (D)	
10/9/2018				830 (D)		1010 (D)
10/16/2018			76.7			
10/17/2018	208					
2/20/2019		346				
4/16/2019	185		92			
4/24/2019					1460	
5/1/2019				694		996
8/27/2019				1120		
8/28/2019						1050
8/29/2019					1550	
9/24/2019		365	109			
3/3/2020						1070

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13 (bg)	GS-AP-MW-17V ...	GS-AP-MW-8 (bg)	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
3/9/2020				815	1720	
3/18/2020			90.7			
3/25/2020		364				
9/21/2020			94			
9/23/2020		368				
10/19/2020				530	1430	
10/20/2020						1050
2/2/2021		356	98.7			
4/20/2021				630		
4/21/2021						1060
5/3/2021					1510	
8/2/2021		333				
8/10/2021			101			
9/8/2021				858		
9/14/2021						1000
9/15/2021					1490	
2/14/2022		365				
2/16/2022			90.7			
3/15/2022				897		
3/16/2022						1120
3/17/2022					1230	
8/2/2022			97.300003			
8/9/2022		344				
9/19/2022				1060		
9/20/2022						1140
9/26/2022					2550	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16
7/19/2016					255	1080
7/20/2016	1620					
9/26/2016					259	1140
9/27/2016	1560					
10/31/2016					265	1010
11/1/2016	1580					
1/9/2017					276	1250
1/11/2017	1570					
2/14/2017					246	1180
2/15/2017	1470					
4/3/2017						846
4/4/2017	1840				257	
5/15/2017	1660					
5/16/2017					283	880
6/12/2017					266	872
6/14/2017	1960					
9/19/2017					266	848
9/21/2017	2030					
5/7/2018					264	742
5/8/2018	2400					
10/8/2018	2630 (D)					
10/9/2018					239 (D)	982 (D)
4/24/2019					234	646
8/28/2019	2850				397	642
3/3/2020						378
3/4/2020					269	
3/10/2020	2420					
10/13/2020					280	738
10/19/2020	2540					
10/20/2020		314	604	219		
4/21/2021		518	1040	232		688
4/26/2021					352	
5/5/2021	2530					
9/1/2021					359	702
9/7/2021	2940	494	1310			
9/13/2021				237		
3/8/2022						738
3/9/2022		574	1300	217	279	
3/17/2022	2580					
9/19/2022		542	1100			
9/20/2022					594	826
9/26/2022	1560			227		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-17H	MR-AP-MW-18H	MR-AP-MW-19HA	MR-AP-MW-2	MR-AP-MW-20H	MR-AP-MW-20HS
7/25/2016				2040		
9/28/2016				2420		
11/1/2016				2180		
1/11/2017				2320		
2/14/2017				2380		
4/4/2017				2360		
5/16/2017				2400		
6/14/2017				2520		
9/20/2017				2500		
5/9/2018				2040		
10/9/2018				2460 (D)		
3/6/2019	389	398			1260	894
5/1/2019				2370		
8/27/2019	436	937		2470		
9/3/2019					1320	929
3/3/2020				2520		
3/9/2020			900			
3/10/2020	370	328			1290	944
10/13/2020	433	823				
10/14/2020			1300			
10/19/2020					1130	862
10/21/2020				2190		
4/20/2021			1500			
4/26/2021				2560		
4/28/2021					1140	
5/3/2021						774
5/5/2021	514	646				
9/7/2021	417					
9/8/2021					1180	778
9/13/2021			1020			
9/14/2021		682		2400		
3/8/2022	376	360				
3/9/2022			1020		1120	688
3/16/2022				2420		
9/14/2022	497		1410			
9/21/2022		658			1130	586
9/26/2022				2350		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-21 (bg)	MR-AP-MW-22D ...	MR-AP-MW-22I ...	MR-AP-MW-22S ...	MR-AP-MW-23 (bg)	MR-AP-MW-23A ...
3/6/2019	397					
8/28/2019	446					
3/9/2020	496				4720	
10/13/2020	534					
10/14/2020				730	4840	4620
10/20/2020			780			
10/26/2020		4010				
4/20/2021			474	590		
4/27/2021		3900				4610
4/28/2021	499					
5/5/2021					4620	
6/16/2021		4030	455	612		4720
9/14/2021	440	4200				
9/15/2021			423	662	4630	4800
3/15/2022					4680	
3/16/2022			391	648		4520
3/17/2022	460	4600				
9/14/2022					4870	4920
9/21/2022		4470	449	710		
9/26/2022	459					

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-27HR	MR-AP-MW-28H	MR-AP-MW-30H	MR-AP-MW-31H	MR-AP-MW-32H	MR-AP-MW-33H
3/5/2020						1020
3/9/2020		375				
3/10/2020			1720		216	
10/14/2020						1170
10/15/2020					232	
10/19/2020		458				
10/20/2020			1840			
10/26/2020	321					
10/27/2020				886		
4/20/2021		370				
4/21/2021			1700			
4/27/2021				880		
4/28/2021					252	
5/3/2021	314					1160
9/8/2021						1220
9/13/2021		428	1440	842		
9/14/2021	315				239	
3/9/2022					234	
3/14/2022	314	377				1080
3/16/2022			1380	856		
9/19/2022			1410			
9/20/2022		331		915		1180
9/21/2022	323				246	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-34H	MR-AP-MW-35H	MR-AP-MW-36HR	MR-AP-MW-37H	MR-AP-MW-3D	MR-AP-MW-3S
7/19/2016					1530	704
9/26/2016					1480	594
10/31/2016					1430	572
1/9/2017					1500	608
2/13/2017					1380	584
4/3/2017					1370	606
5/16/2017					1300	608
6/12/2017					1300	644
9/20/2017					1180	592
5/10/2018					1060	606
10/9/2018					1220 (D)	536 (D)
4/22/2019						930
4/29/2019					956	
8/27/2019					960	837
3/3/2020					840	953
3/9/2020	1100			312		
3/10/2020		438				
10/13/2020		455			937	793
10/19/2020				295		
10/21/2020	1540					
10/27/2020			913			
4/21/2021	1690		1660			
5/3/2021				310		
5/5/2021		444			883	748
9/7/2021		451			924	706
9/13/2021	1270		1790			
9/15/2021				301		
3/8/2022		432				
3/9/2022	909					
3/16/2022			2080		698	698
3/17/2022				305		
9/14/2022			1860			
9/19/2022	976	442			756	644
9/27/2022				314		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4V	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-6V	MR-AP-MW-7DR
7/19/2016	1520					
7/26/2016			1630	868		
9/27/2016	1540					
9/28/2016			1600	884		
11/1/2016	1510			862		
11/2/2016			1640			
1/9/2017	1510			918		
1/10/2017			1660			
2/13/2017	1460			896		
2/14/2017			1600			
4/3/2017			1600	852		
4/4/2017	1270					
5/16/2017	1420			924		
5/17/2017			1630			
6/12/2017	1380		1770	928		
9/18/2017			1530	908		
9/20/2017	1270					
5/9/2018	1040		1430	908		
10/8/2018	1180 (D)		1300 (D)	882 (D)		
3/5/2019		852			840	
4/23/2019			1390	882		
4/29/2019	1180					
8/27/2019	1120	1190				
8/28/2019			1370	903	560	
3/2/2020			1270			
3/3/2020				926	622	
3/4/2020	904	736				
10/14/2020	934	963				
10/19/2020					594	
10/20/2020				876		818
10/21/2020			1190			
4/26/2021	930	916				
4/27/2021						798
4/28/2021				937	614	
5/3/2021			1220			
9/1/2021	1050	1050		957		838
9/8/2021			1220		708	
3/8/2022						798
3/14/2022			1190			
3/15/2022	800	1070				
3/16/2022				894	592	
9/20/2022			1140			824
9/21/2022				914		
9/26/2022	694	1150			576	

Time Series

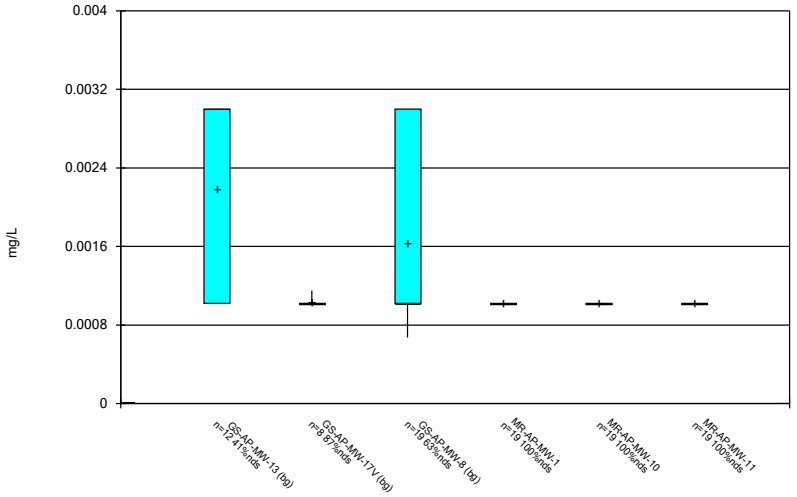
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR	MR-AP-PZ-5
7/26/2016				1040
9/28/2016				1000
11/2/2016				920
1/12/2017				812
2/13/2017				832
4/3/2017				710
5/17/2017				718
6/12/2017				724
9/18/2017				616
5/9/2018				486
10/8/2018				464 (D)
4/23/2019				478
8/29/2019				734
3/2/2020				594
10/15/2020		654	686	
10/20/2020	588			
10/21/2020				594
4/27/2021	624	646	634	
5/3/2021				762
9/1/2021	646	636	658	
9/8/2021				690
3/8/2022	598	594	614	
3/14/2022				748
9/20/2022	638			746
9/21/2022		1230	734	

FIGURE B.

Box & Whiskers Plot

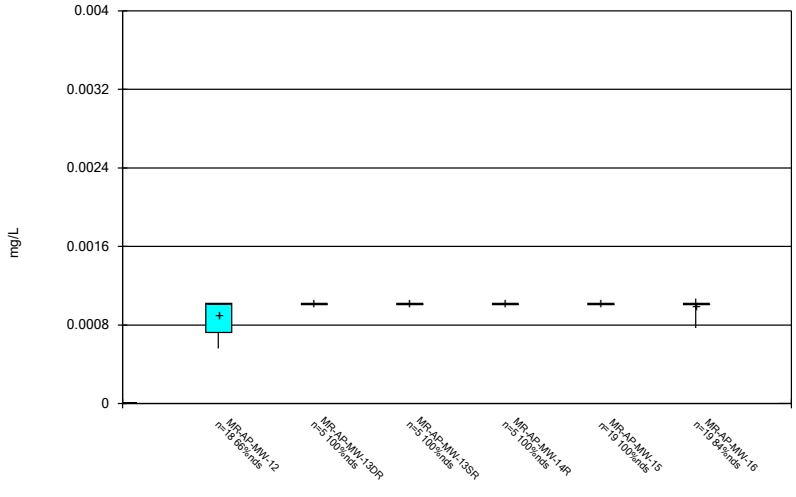


Constituent: Antimony Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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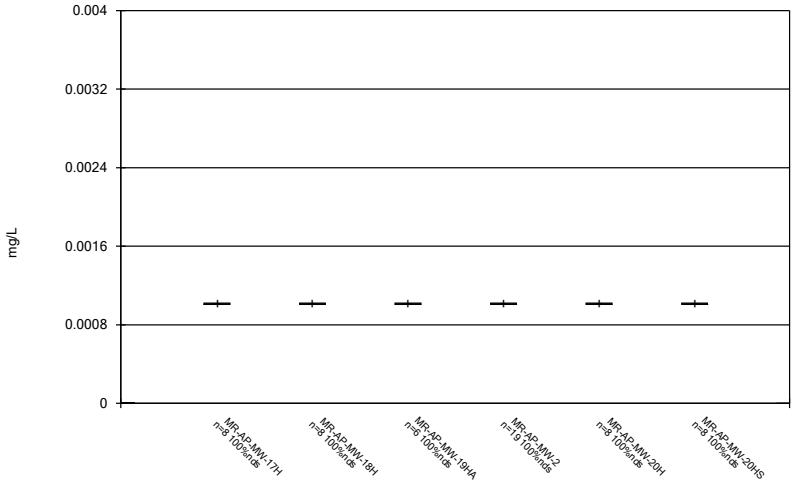
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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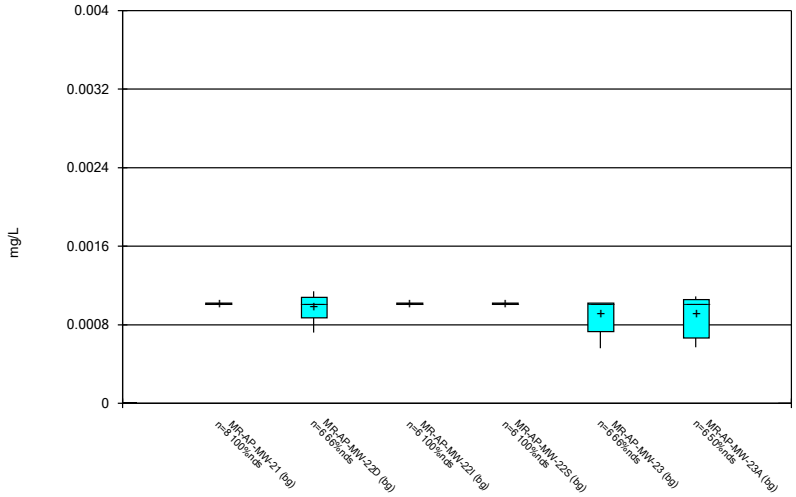
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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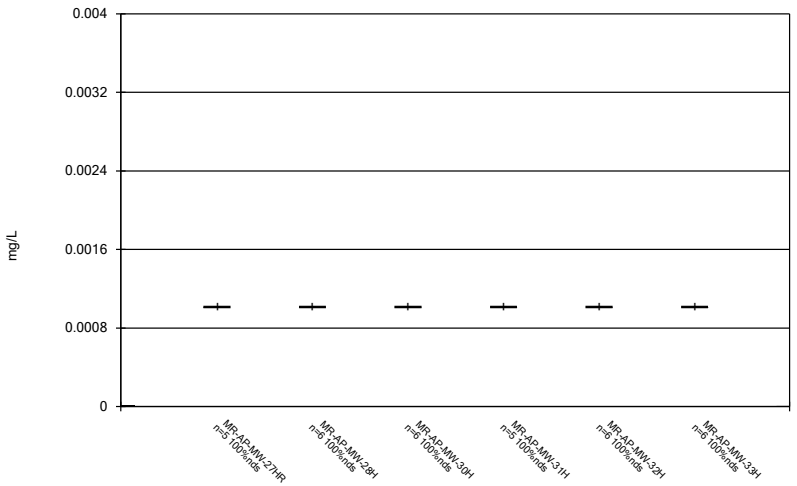
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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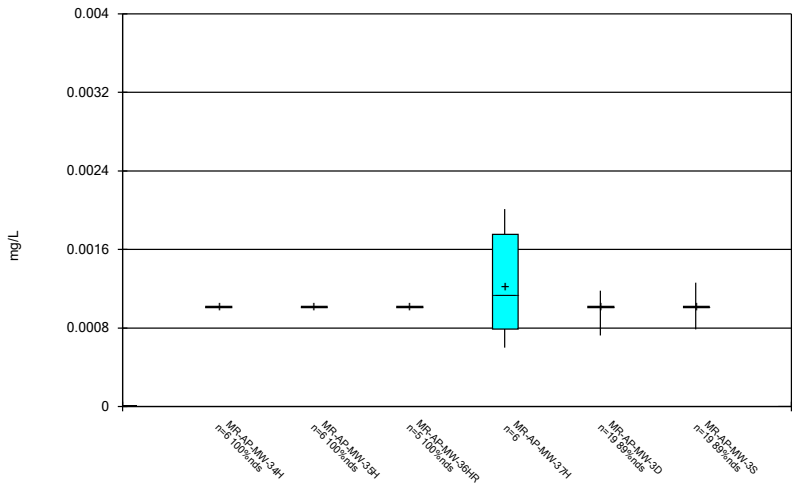
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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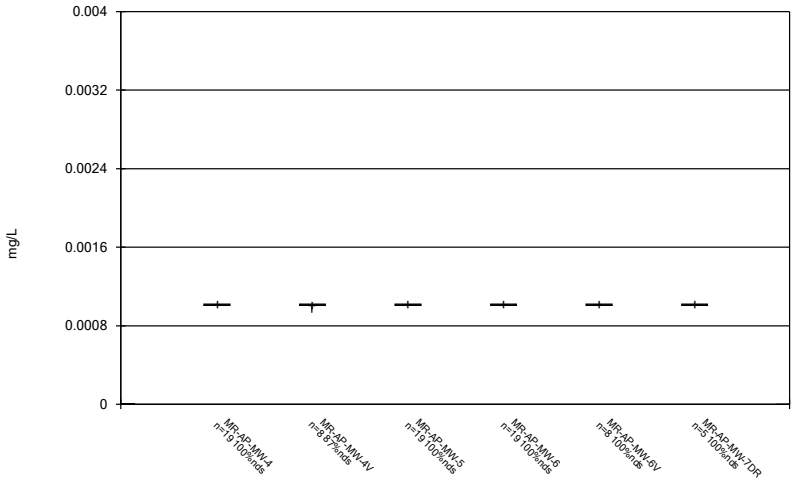
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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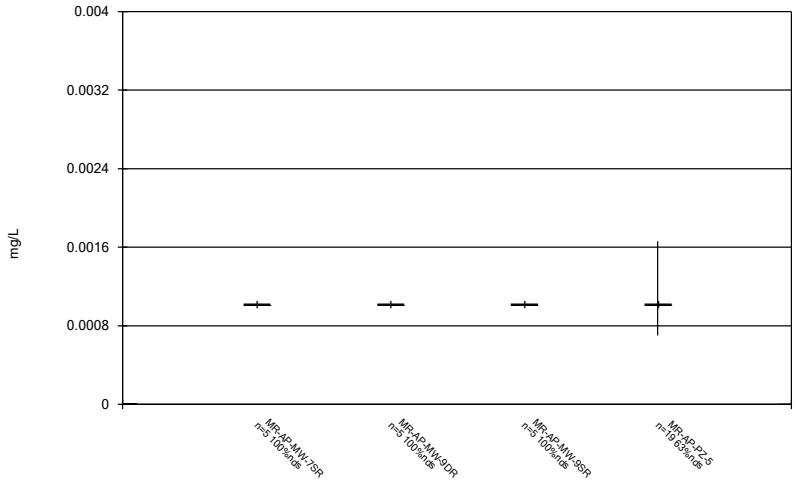
Box & Whiskers Plot



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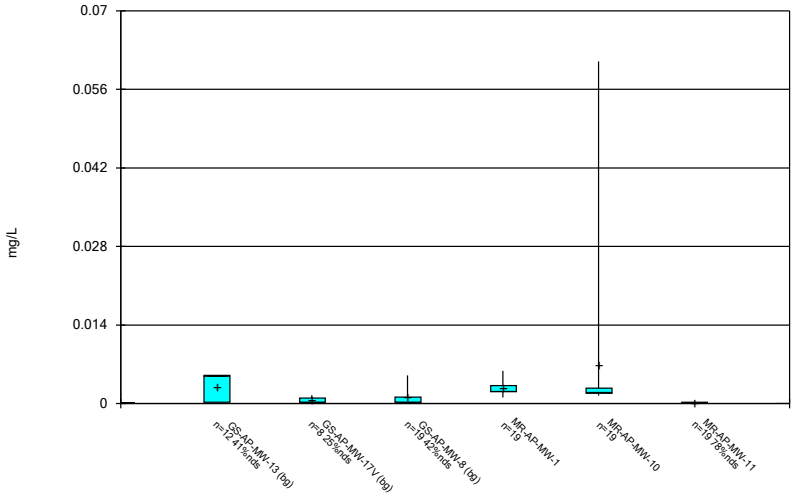
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot

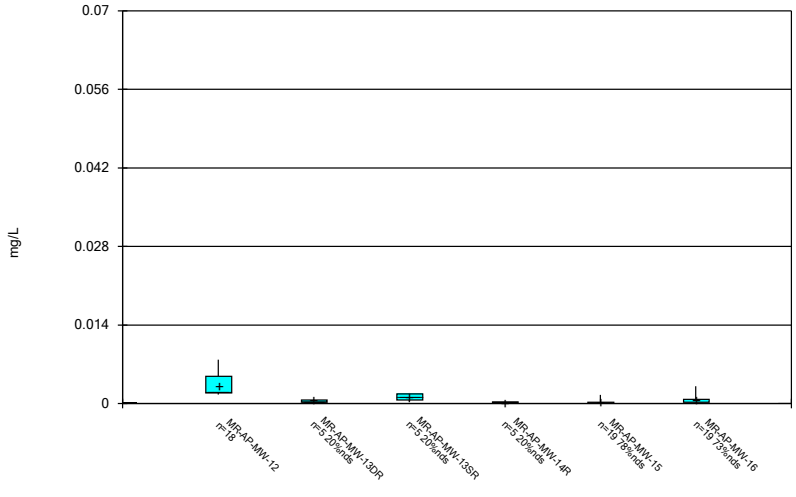


Constituent: Arsenic Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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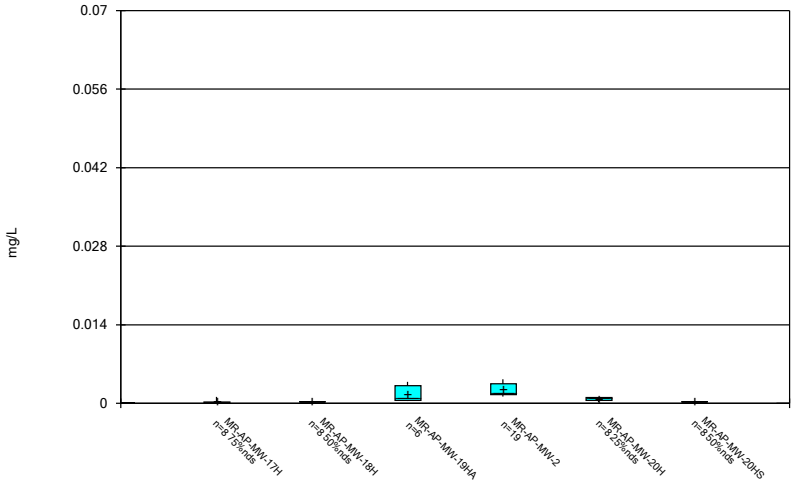
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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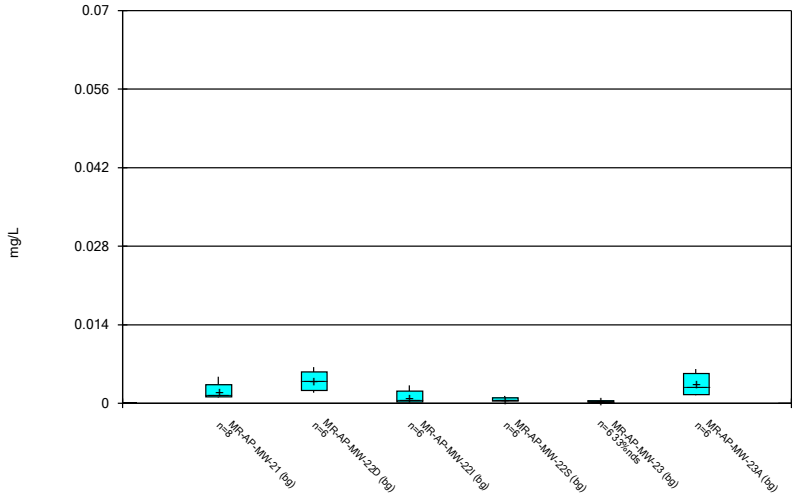
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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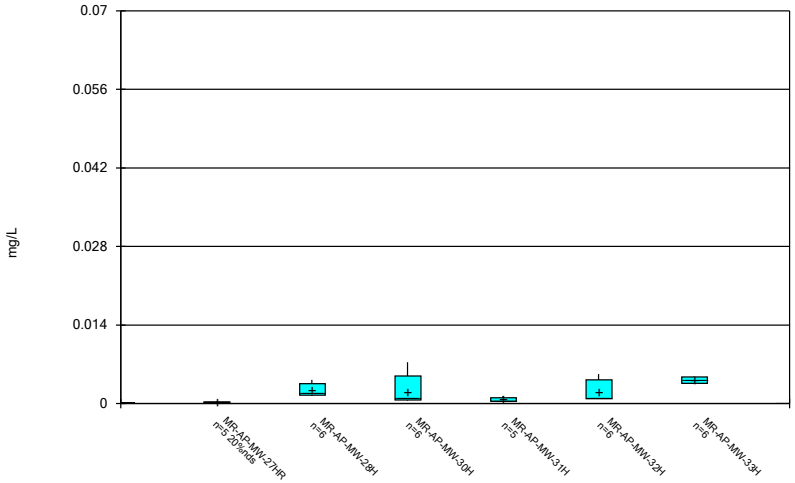
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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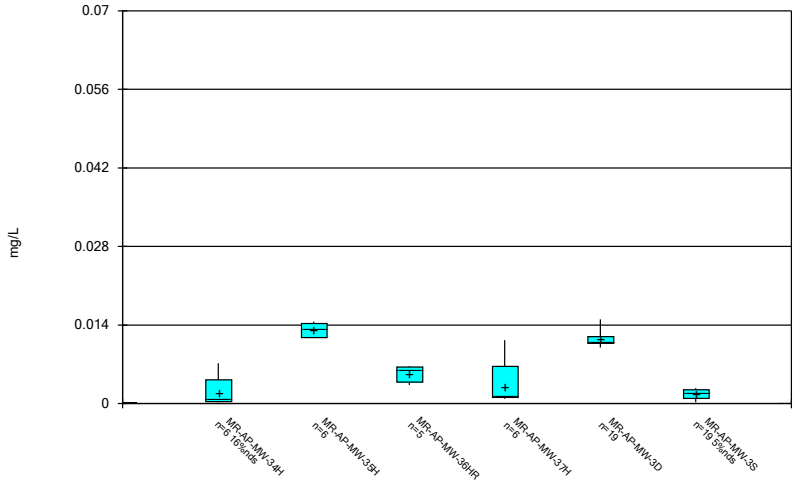
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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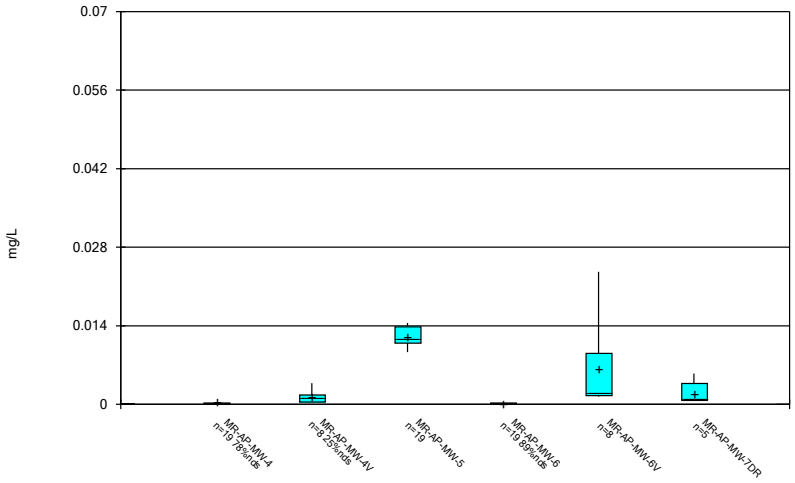
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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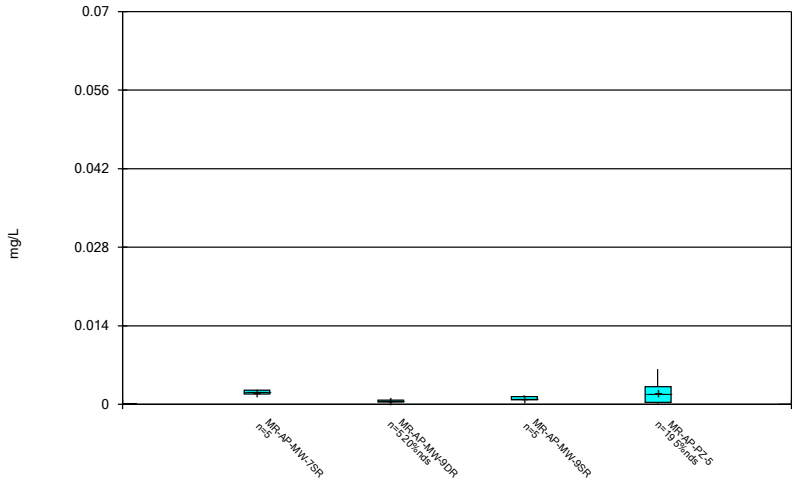
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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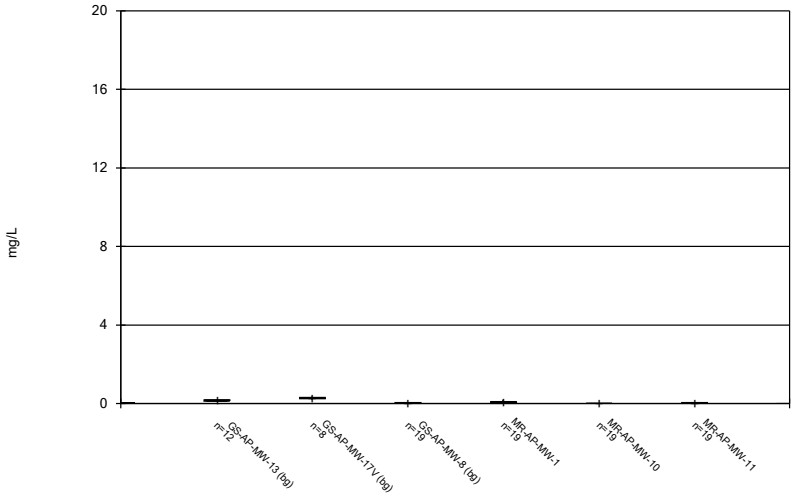
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

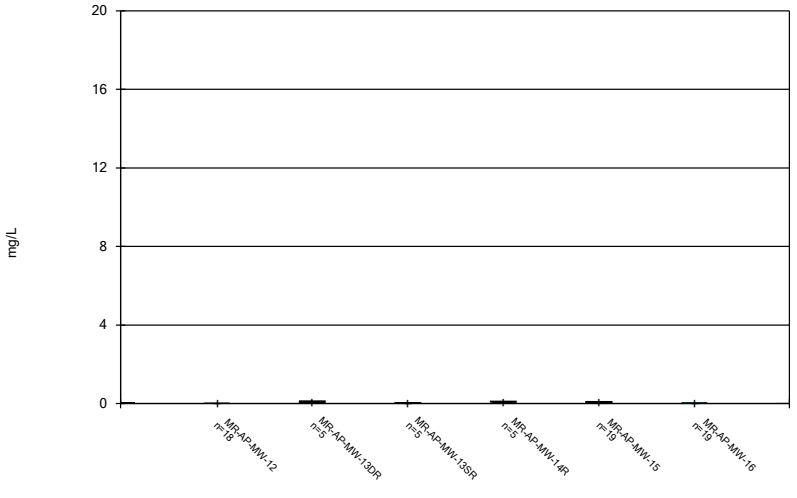


Constituent: Barium Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

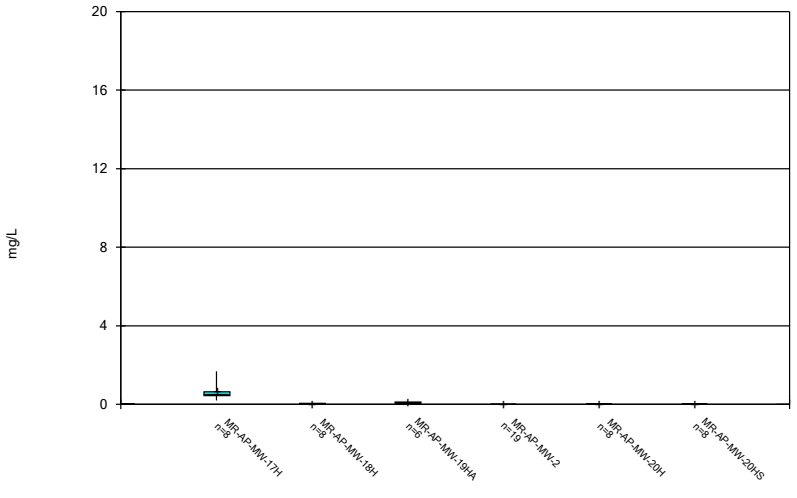


Constituent: Barium Analysis Run 11/15/2022 12:35 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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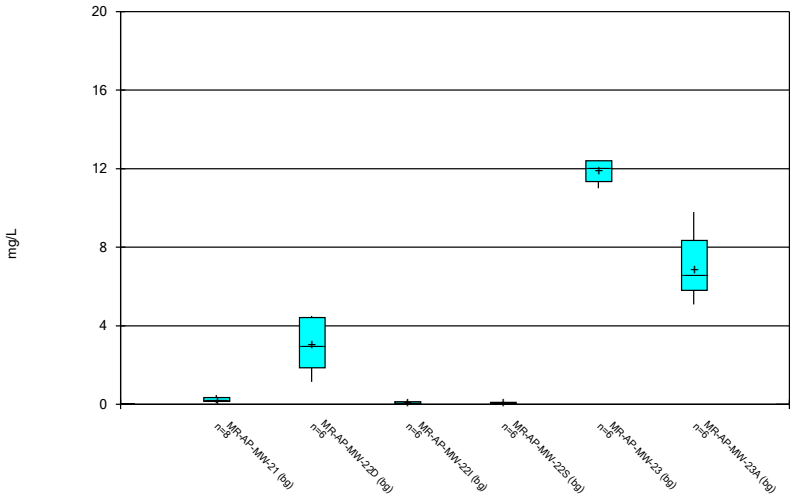
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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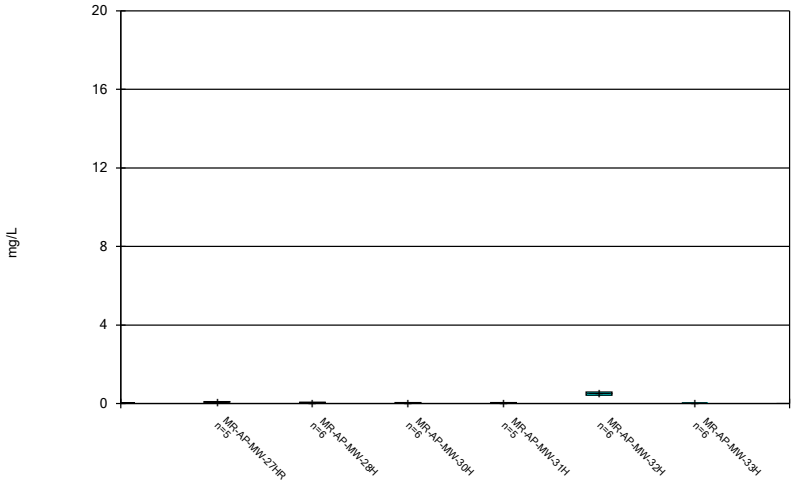
Box & Whiskers Plot



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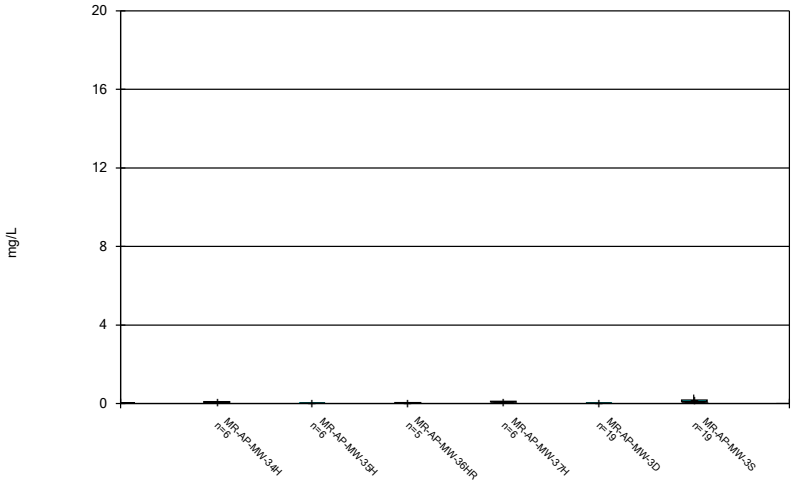

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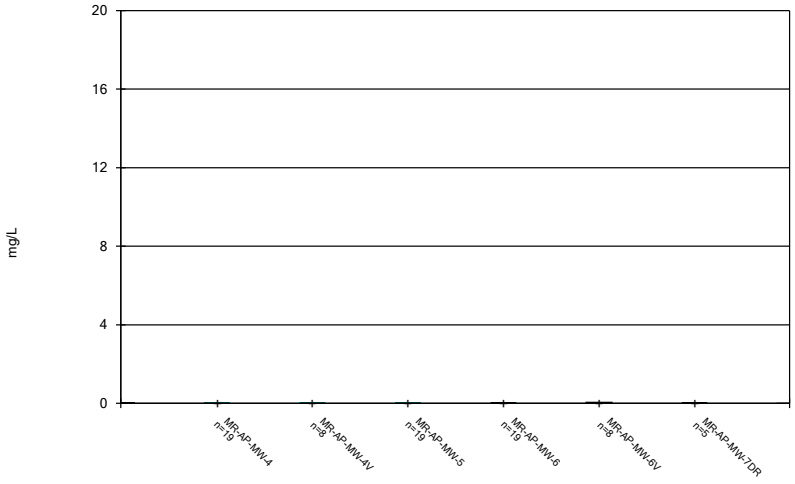

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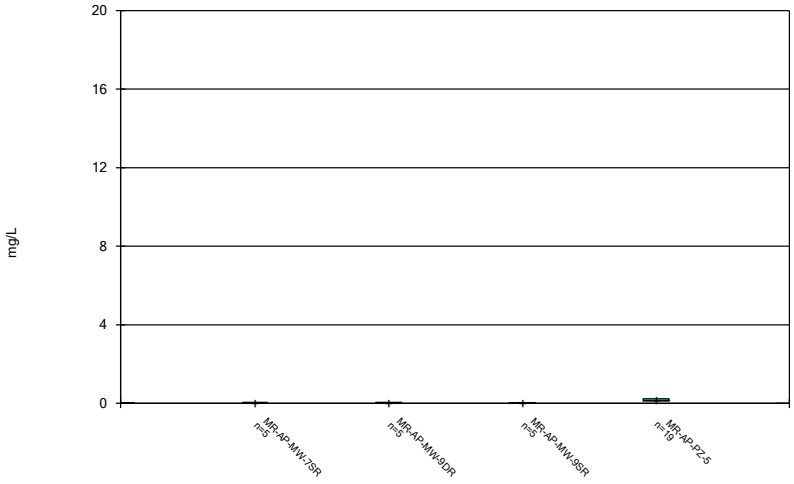

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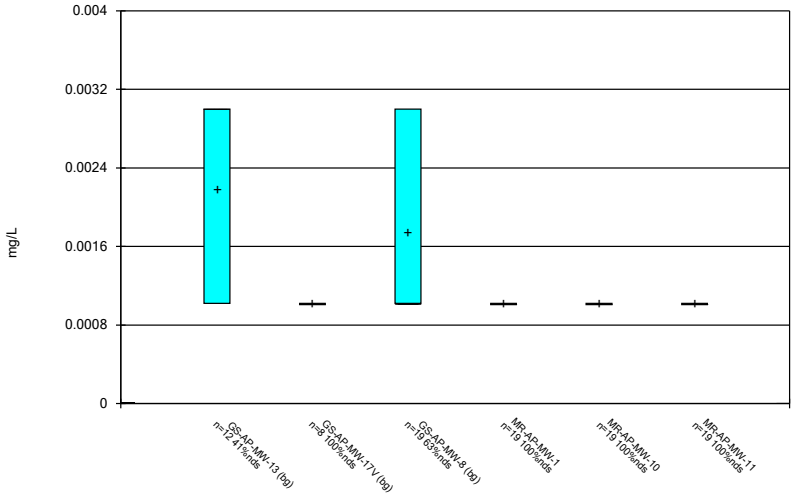

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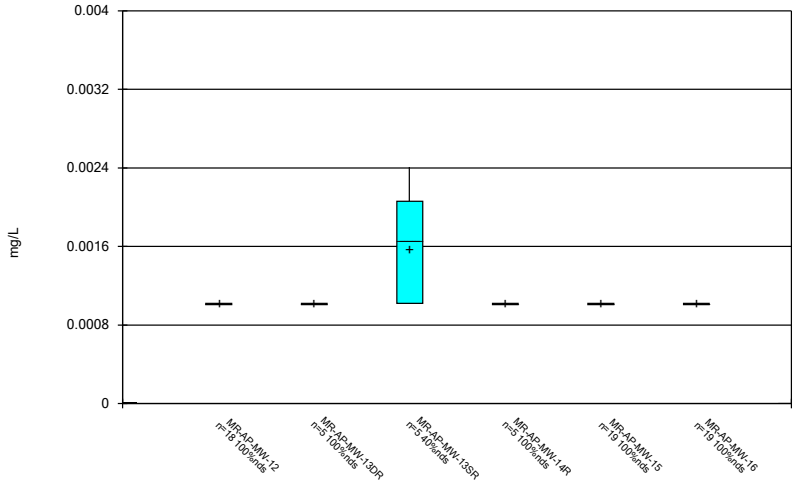
Box & Whiskers Plot



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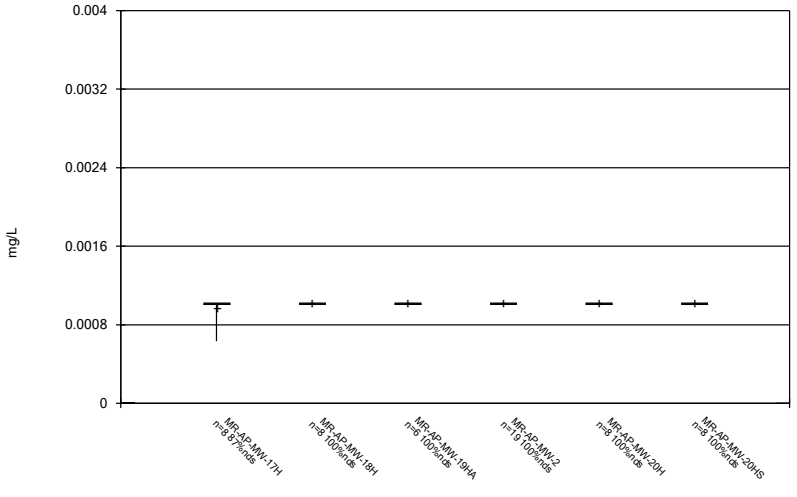

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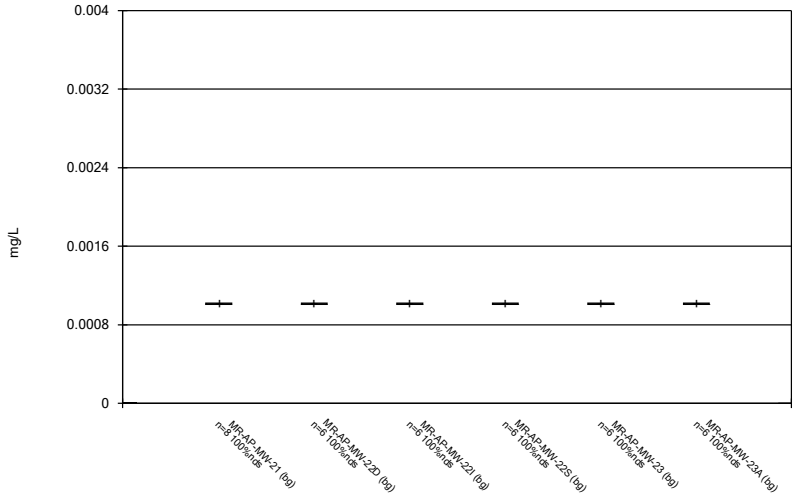

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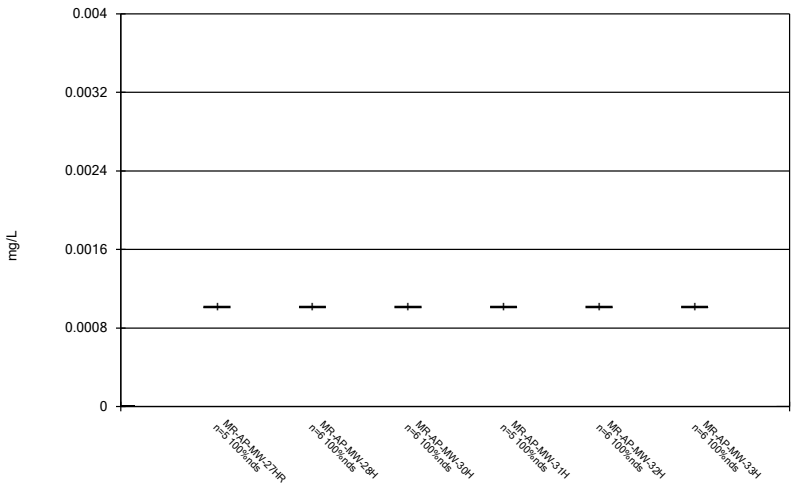

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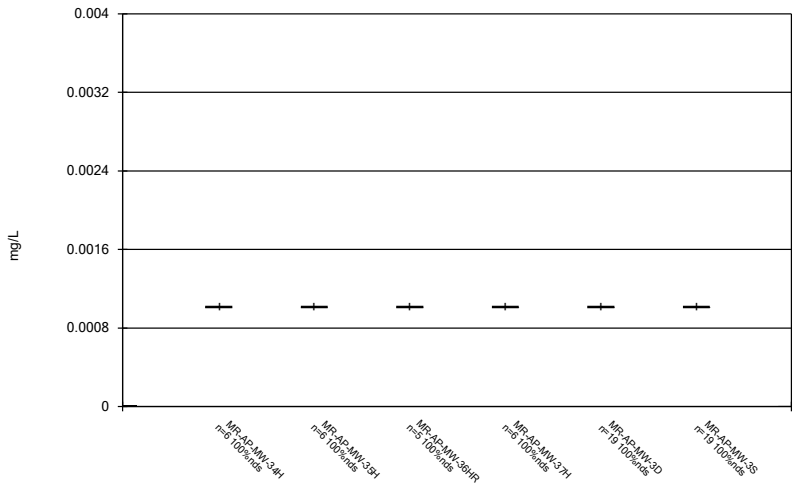

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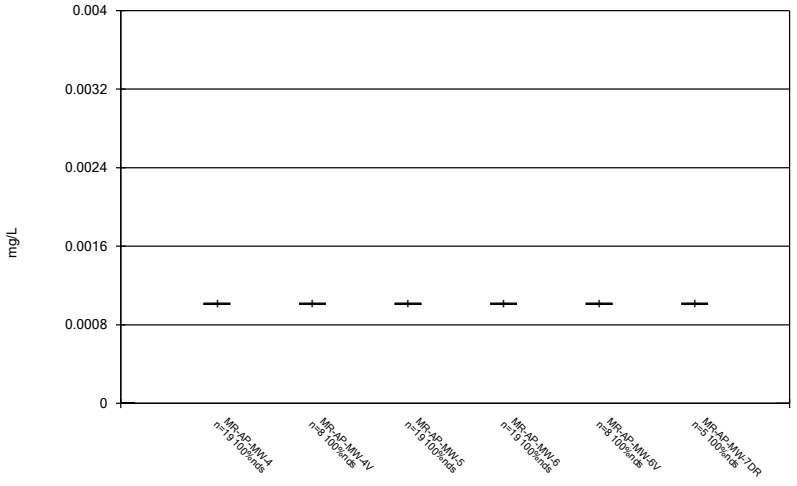

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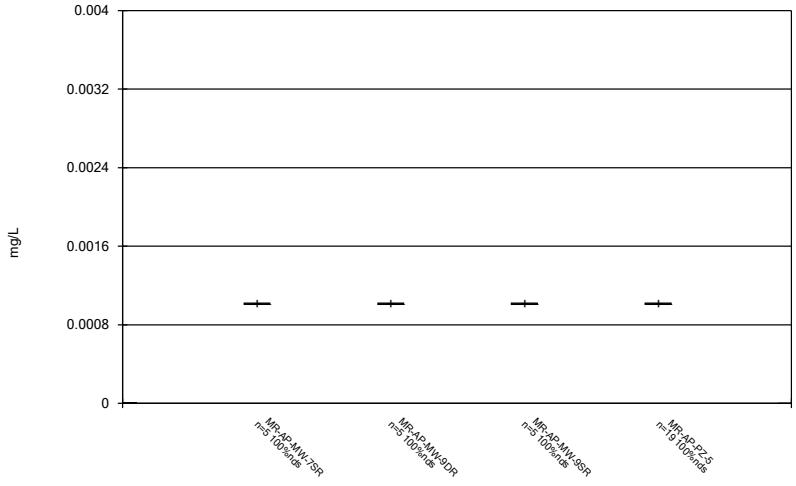

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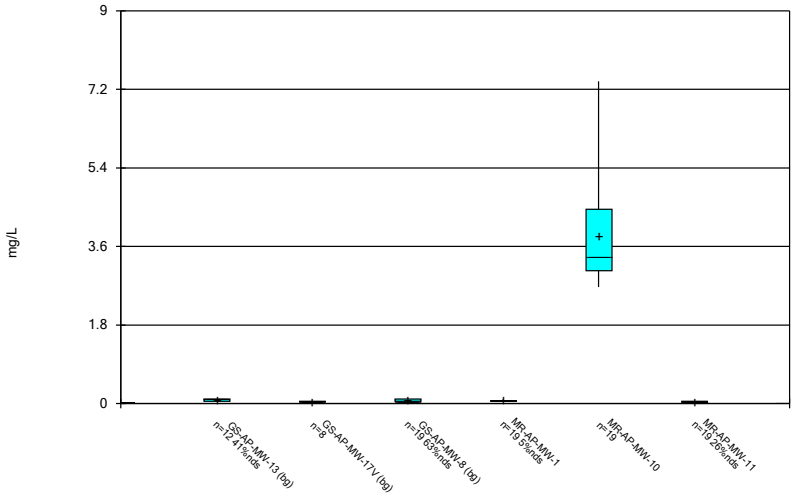

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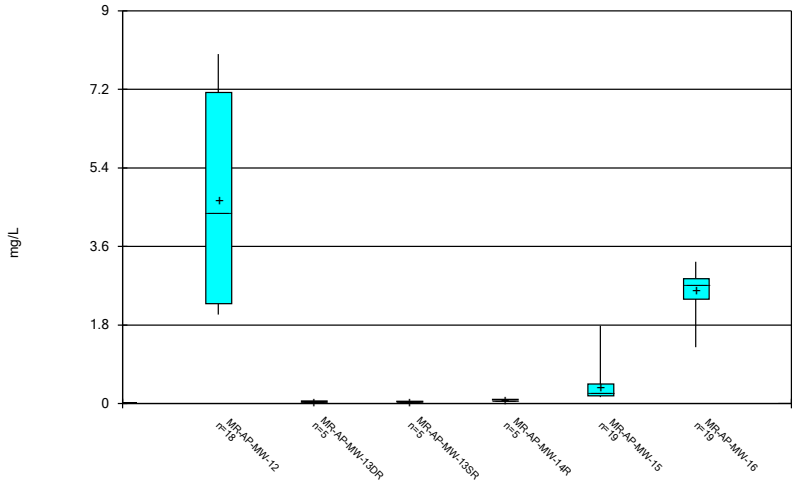

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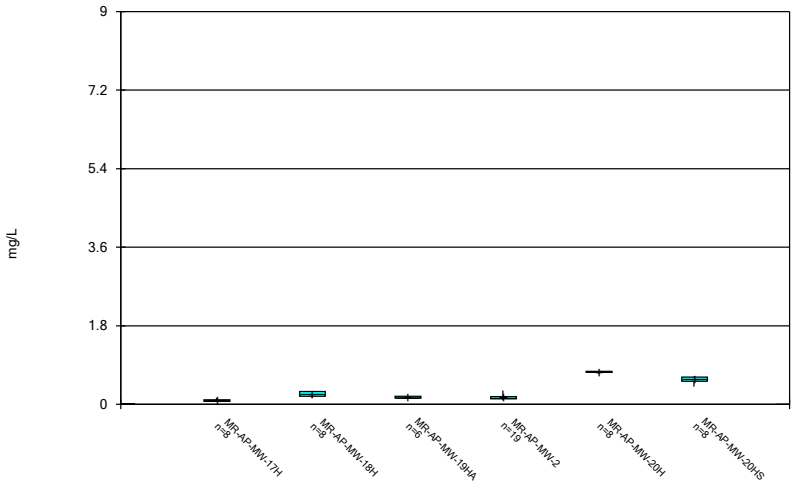

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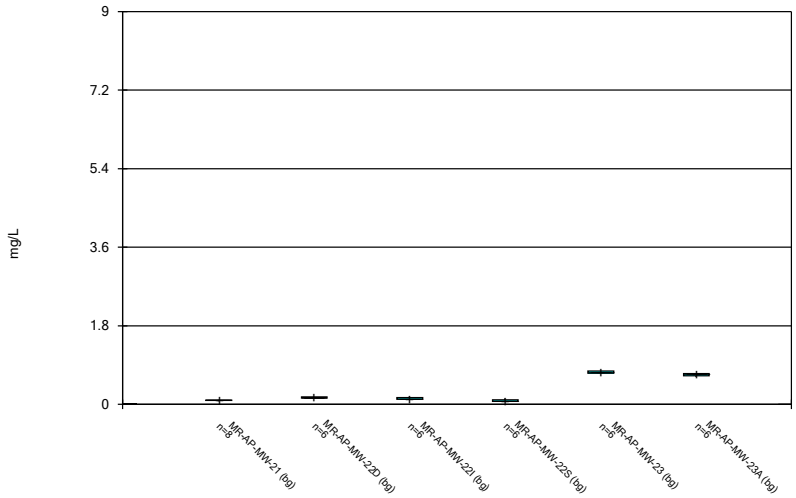

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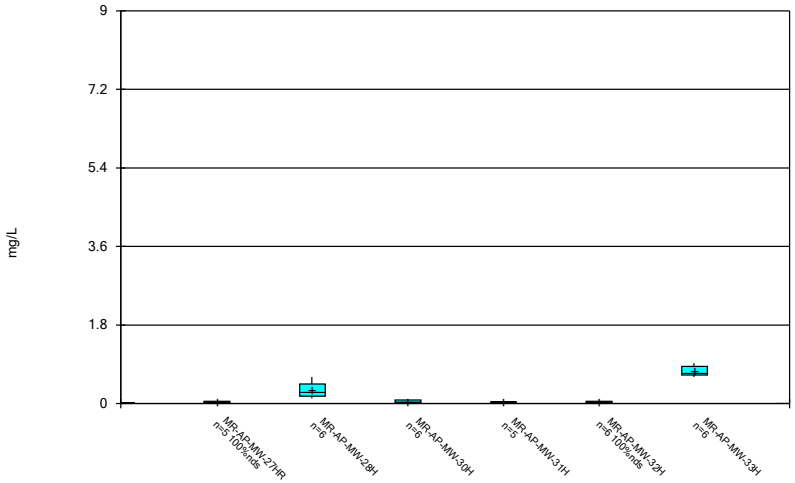

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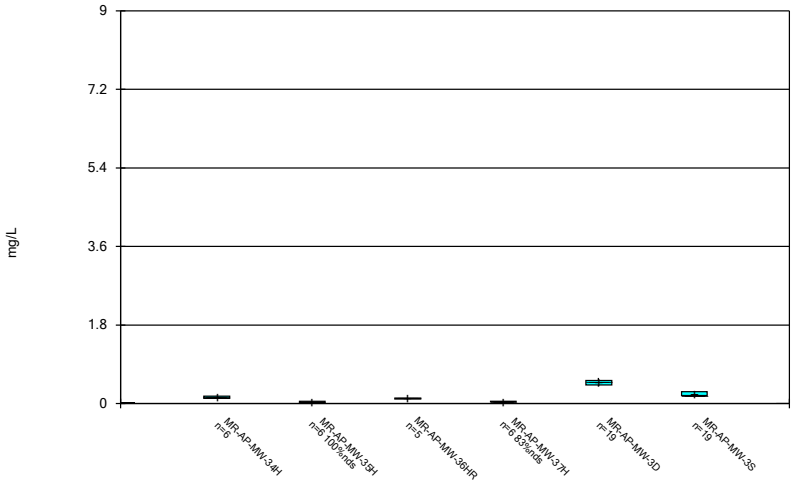

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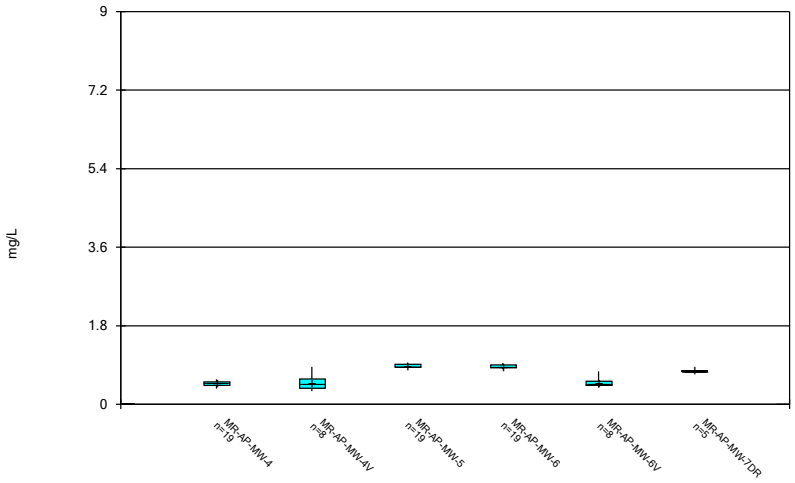

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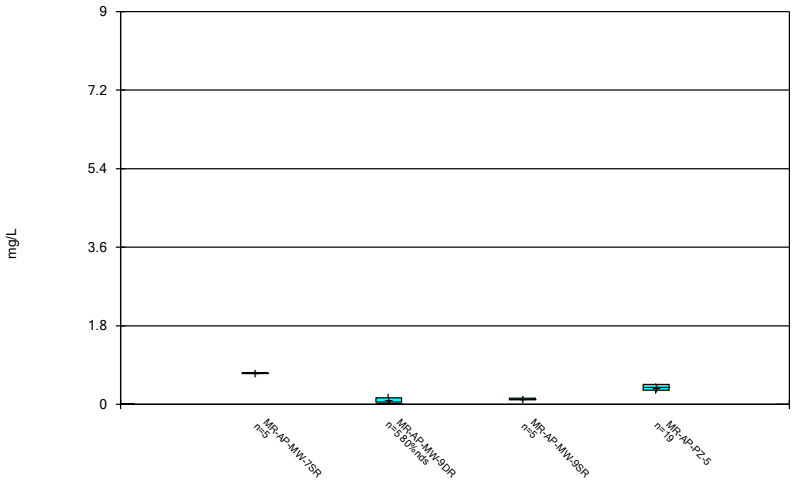

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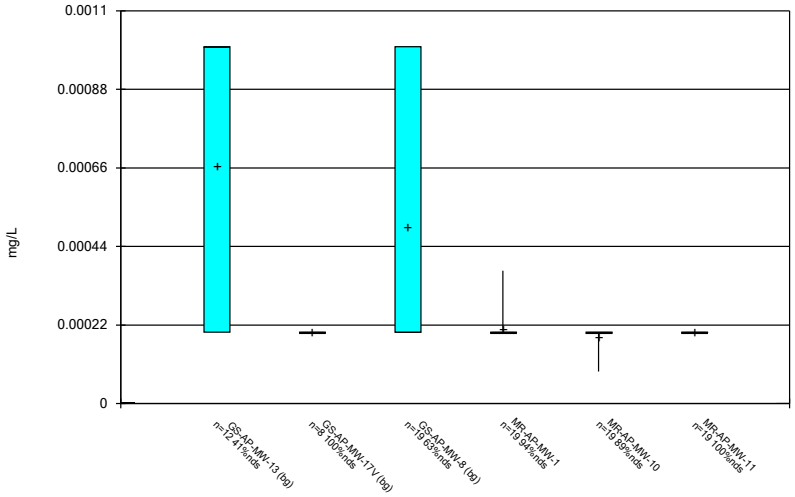

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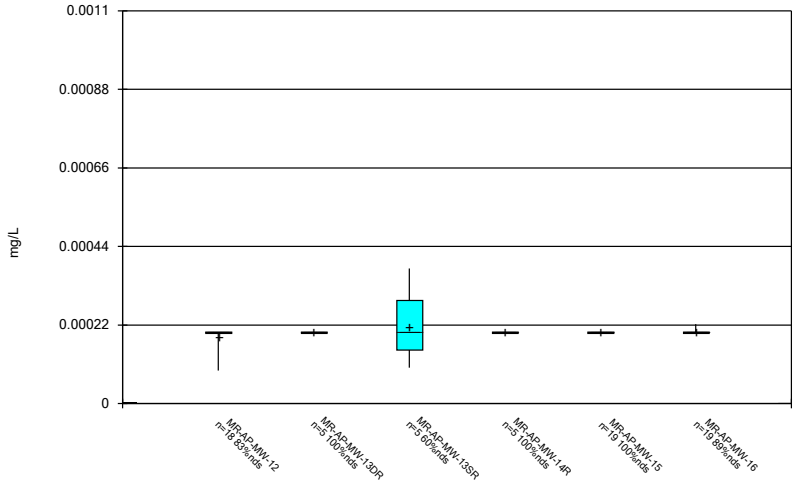

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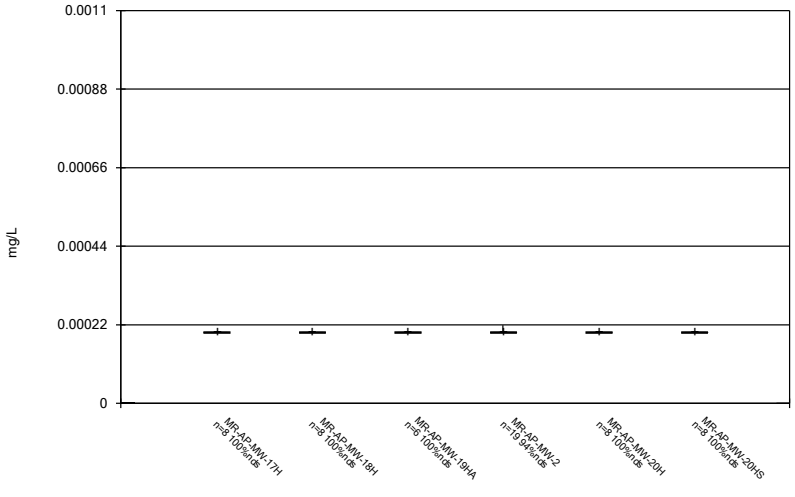

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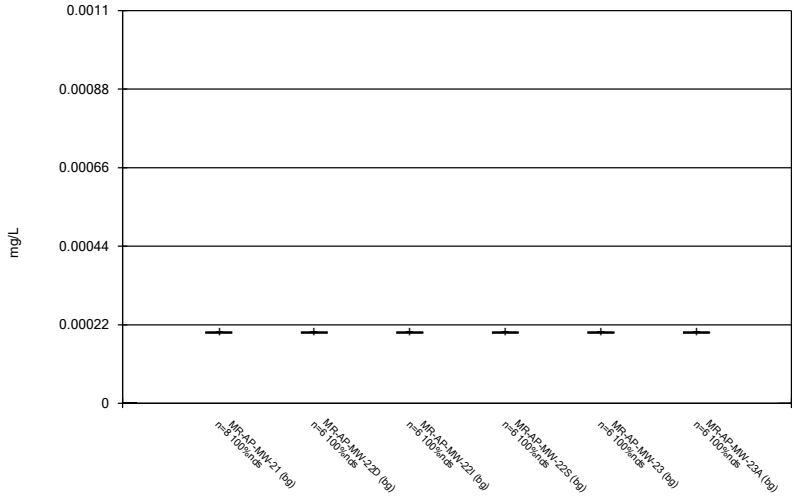

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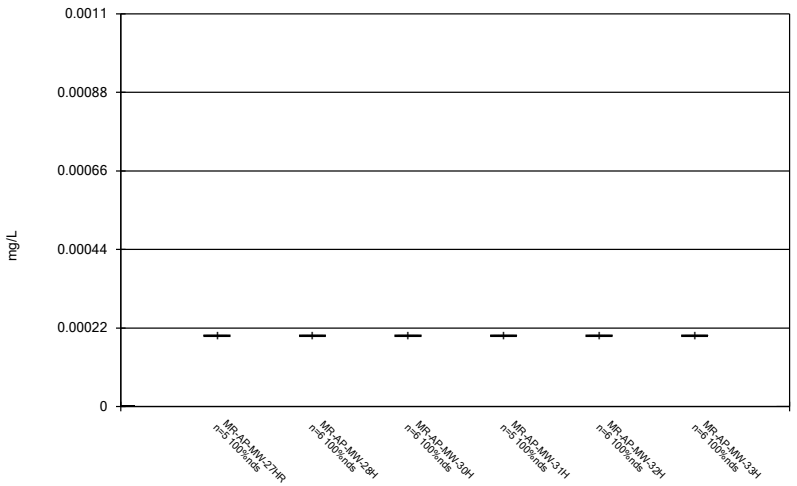

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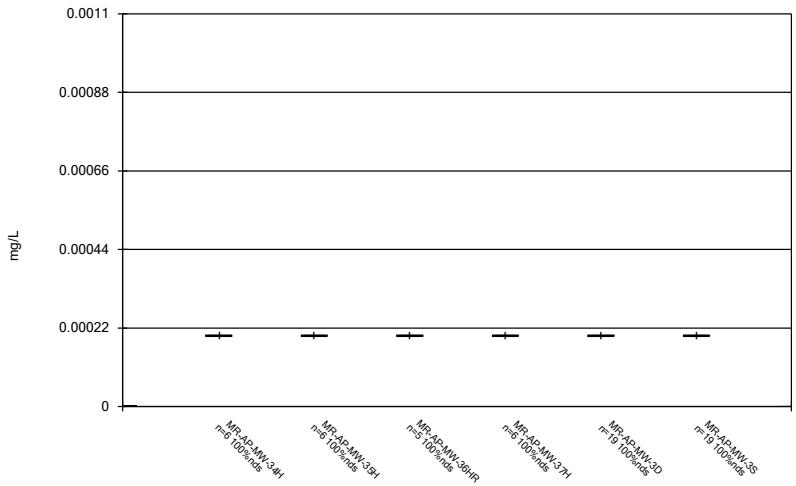

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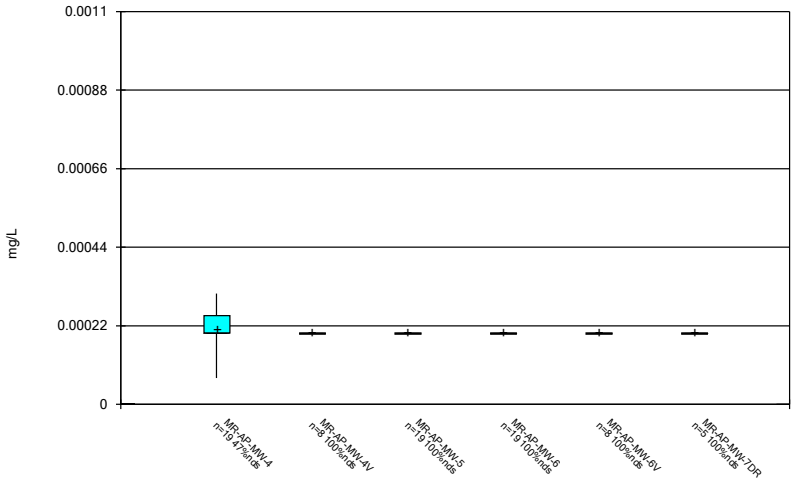

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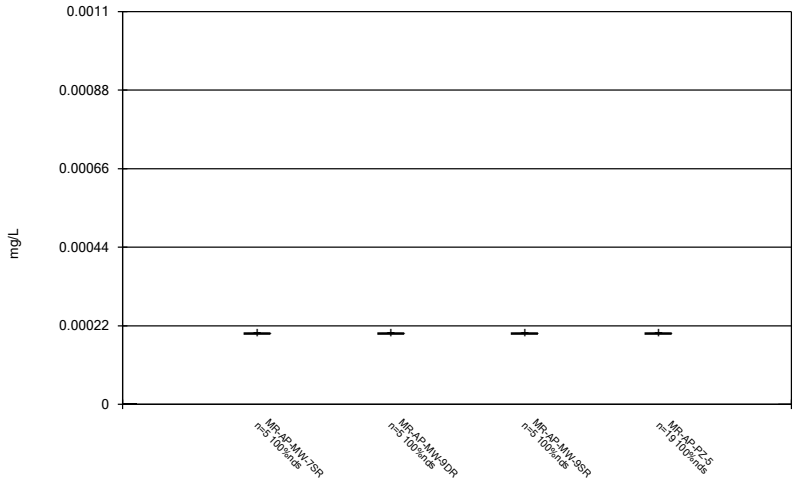

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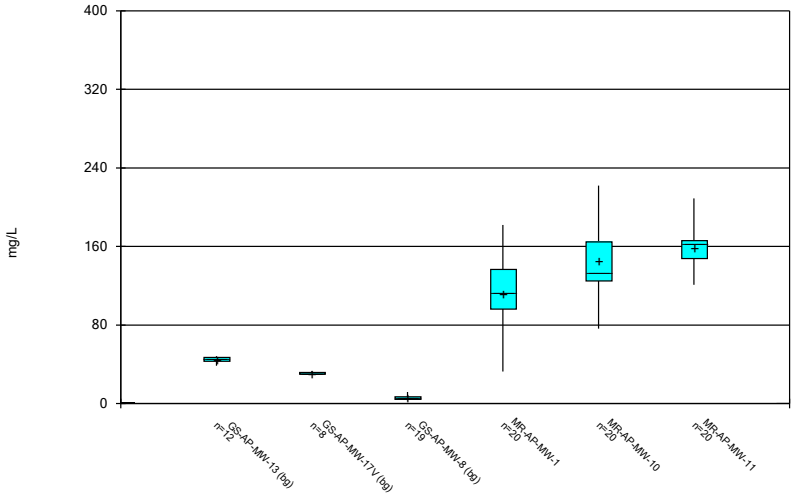

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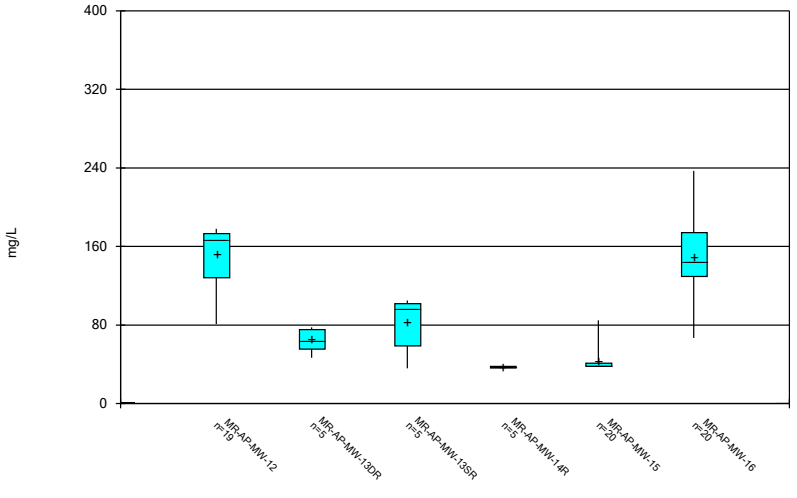

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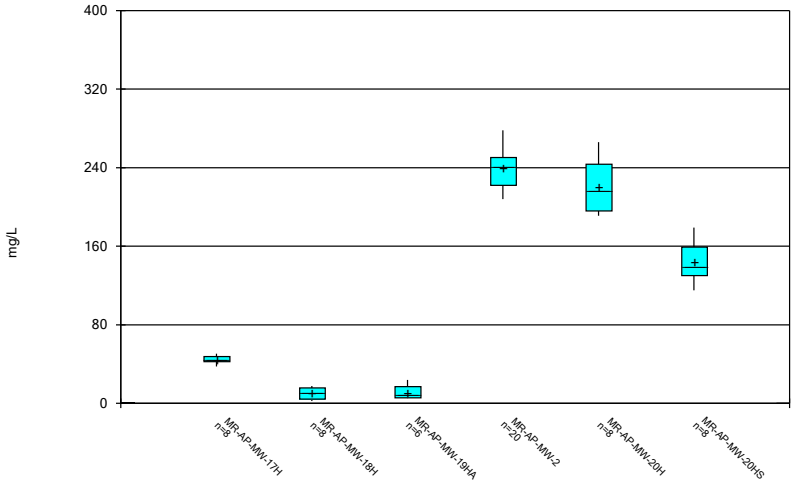

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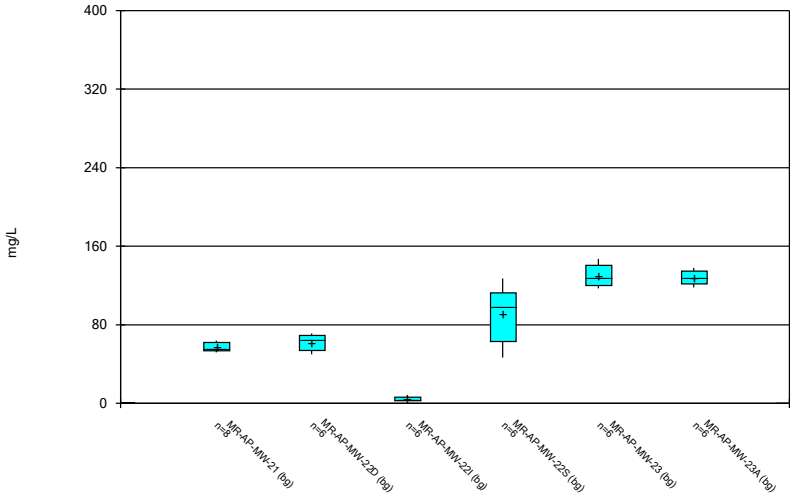

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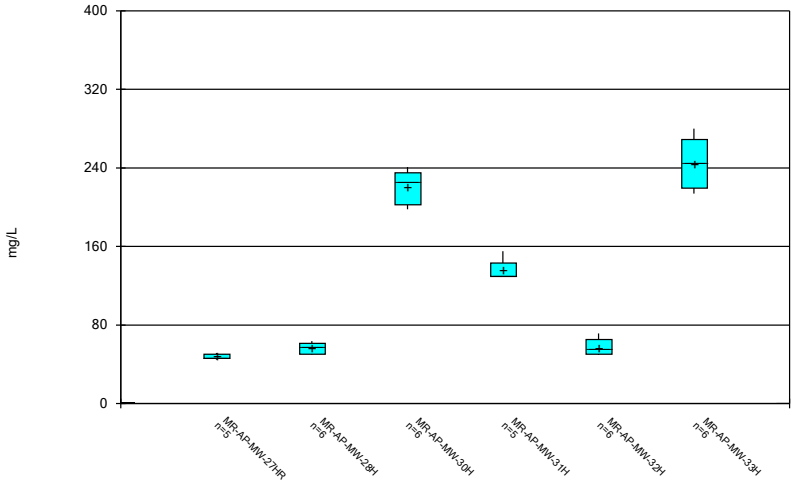

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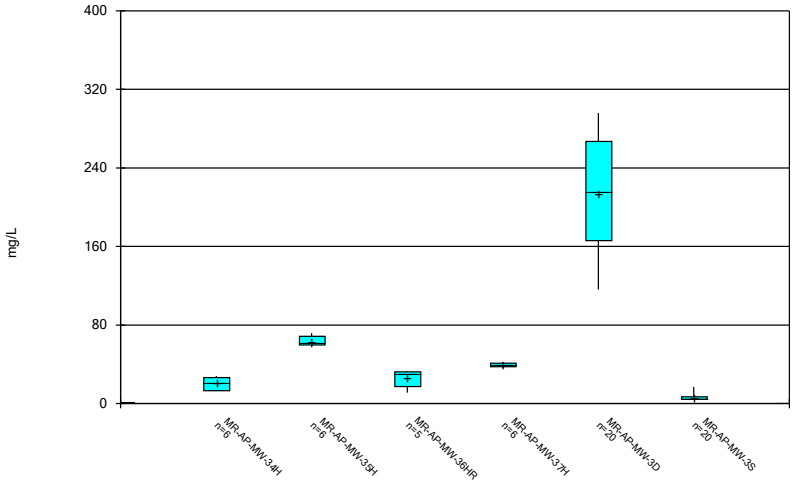

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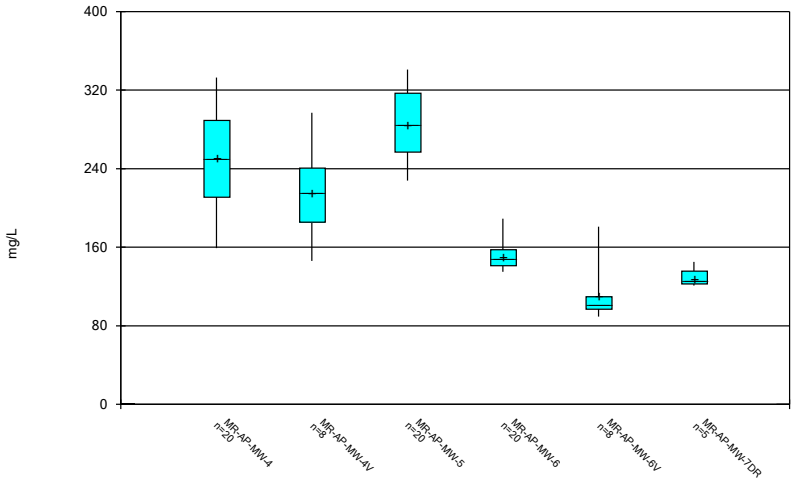

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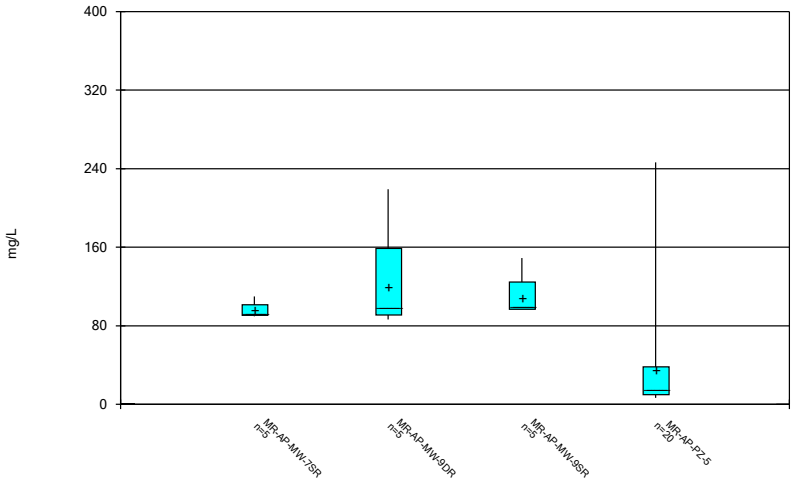

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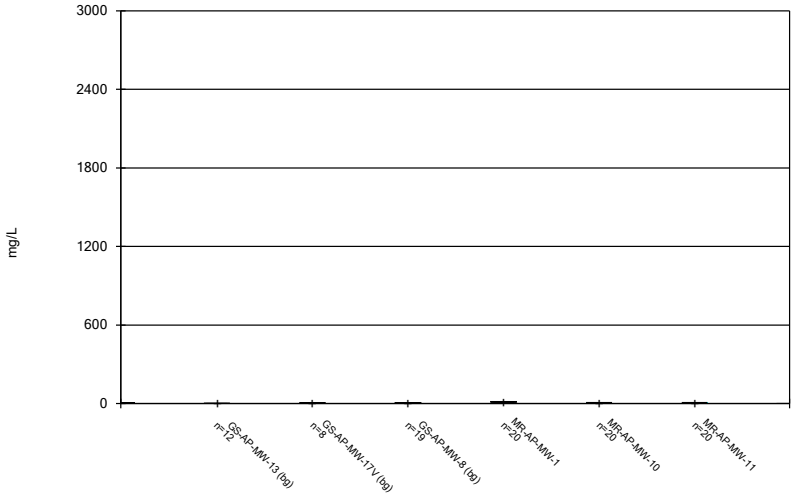

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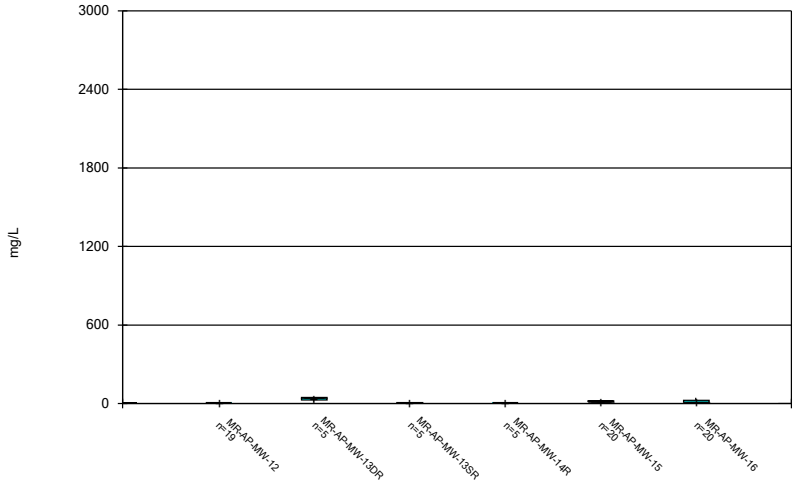

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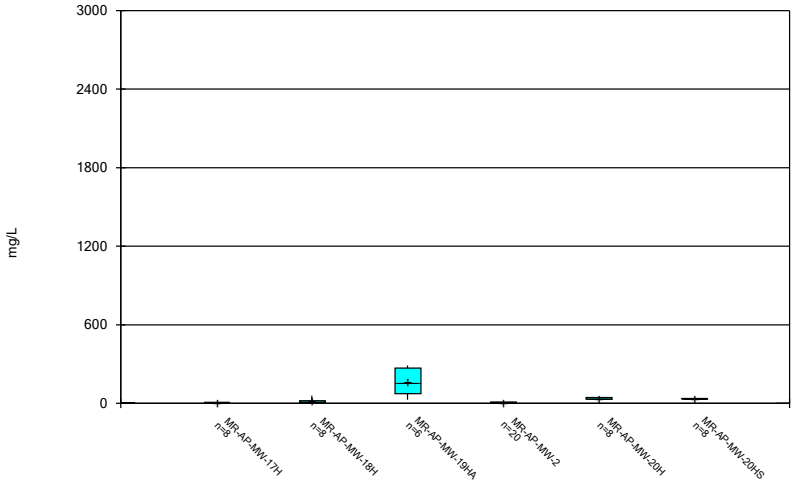

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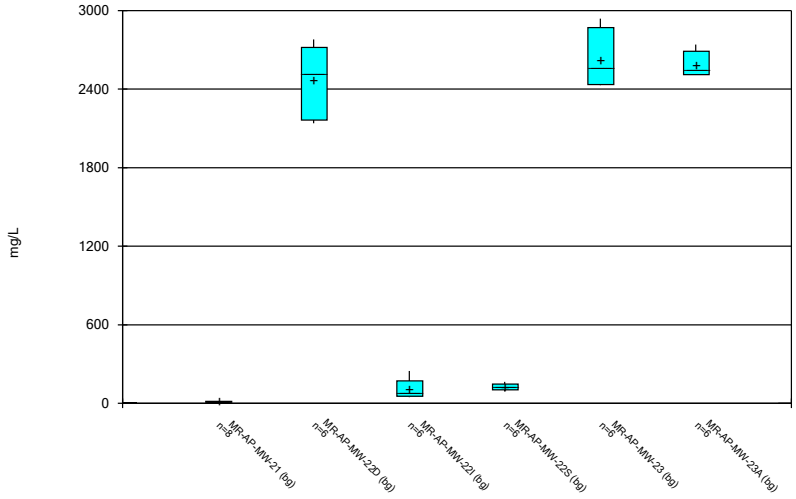

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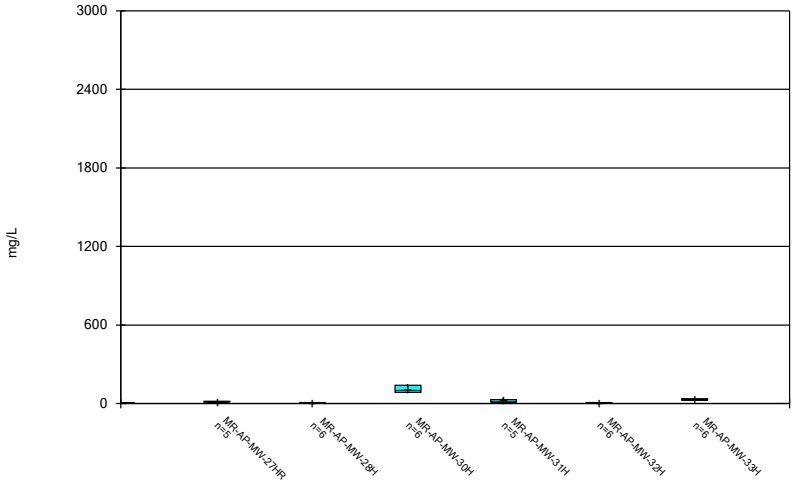

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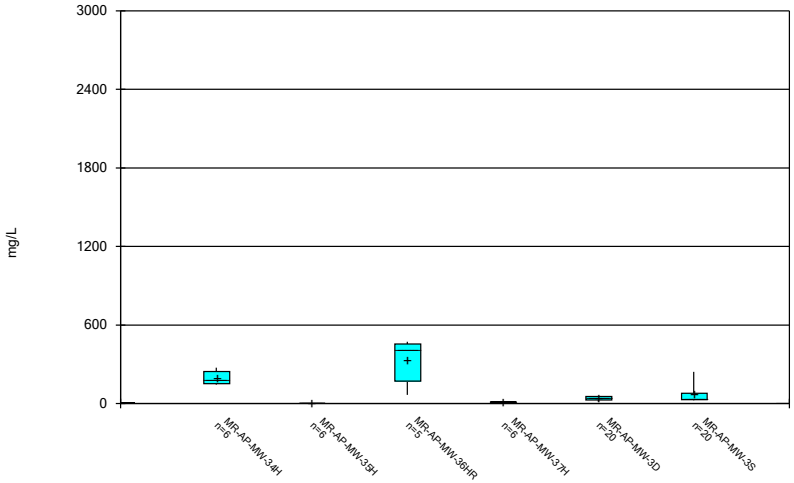
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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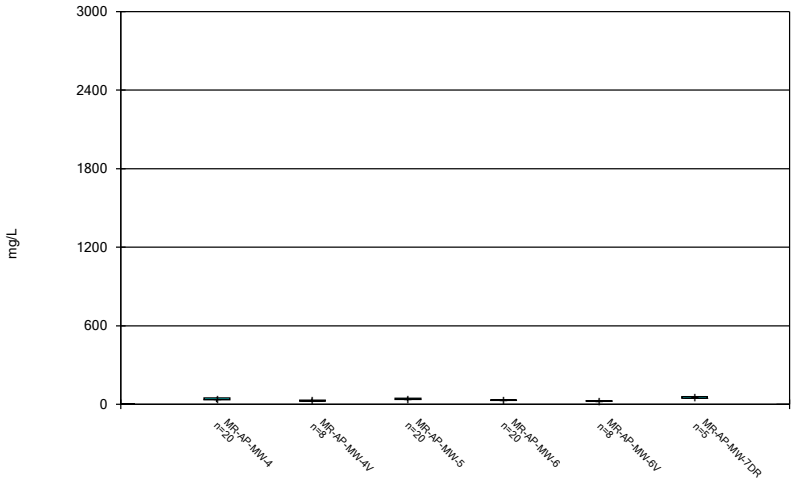
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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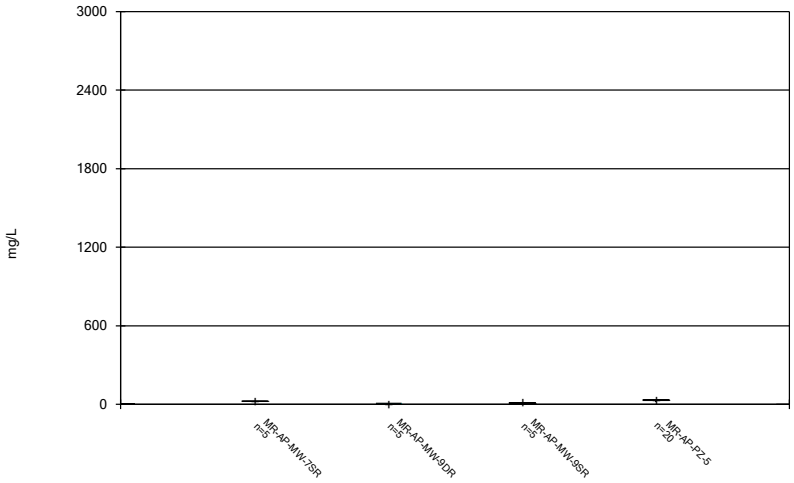
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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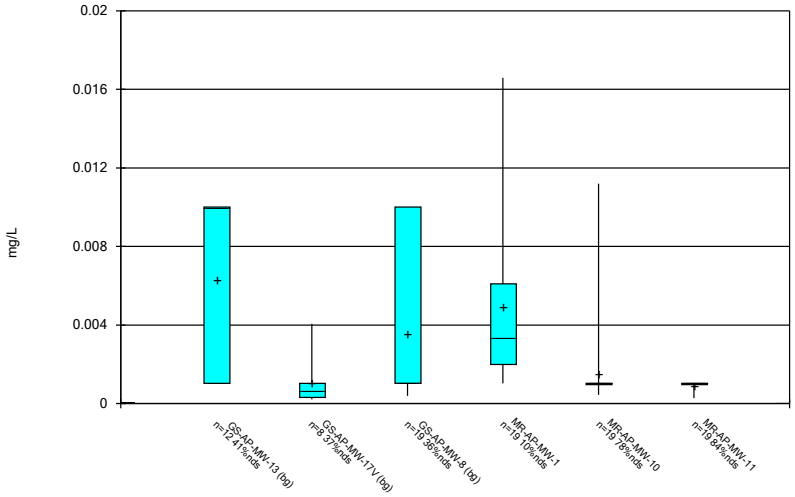
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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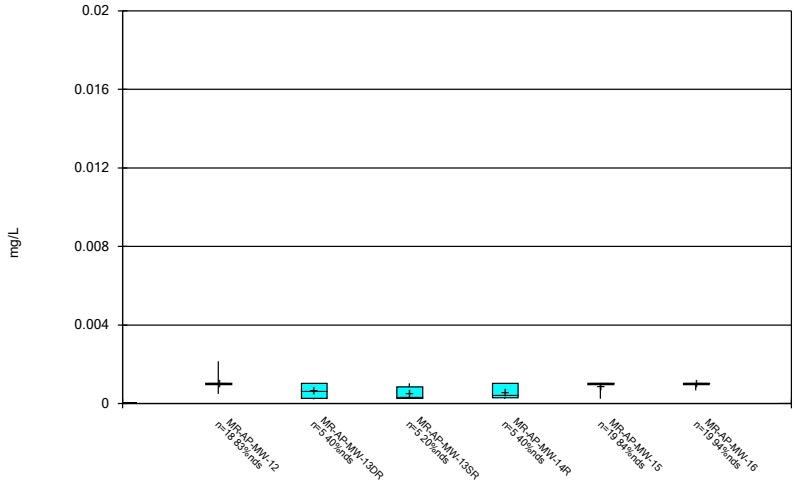
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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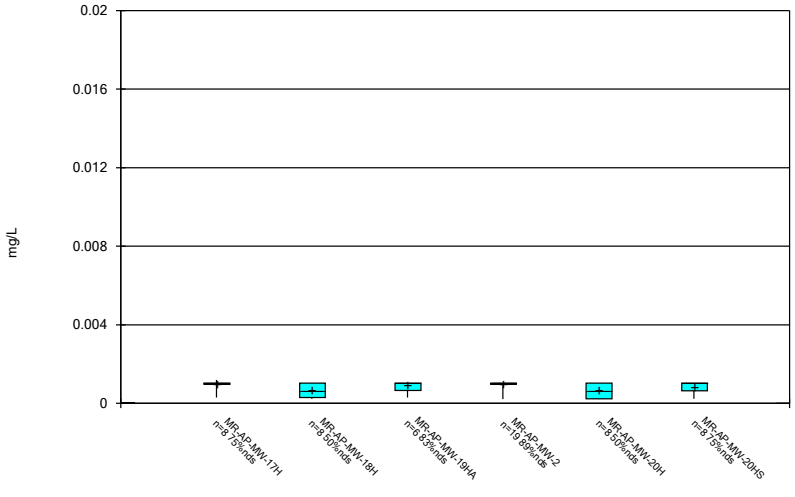
Box & Whiskers Plot



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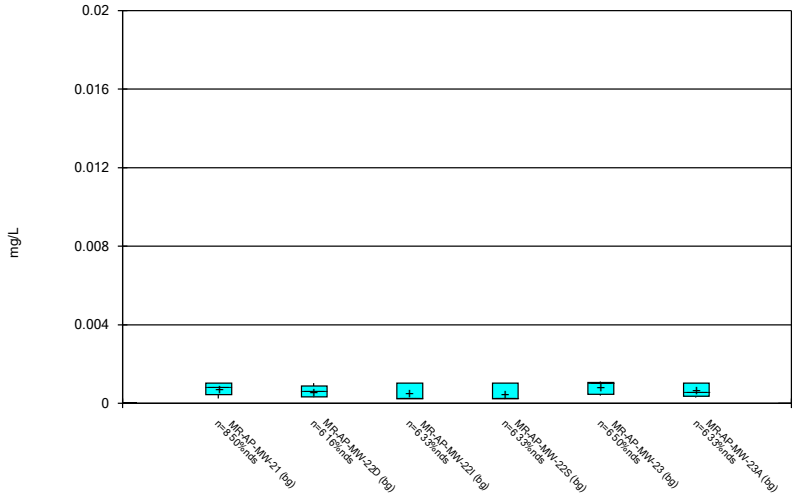

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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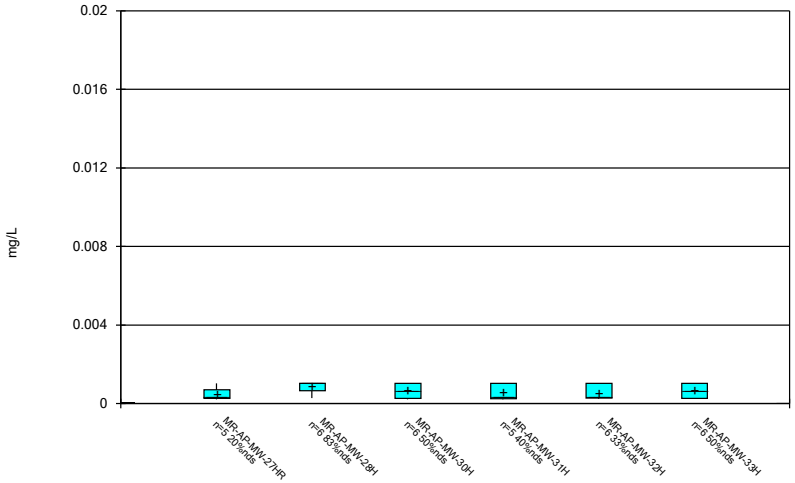

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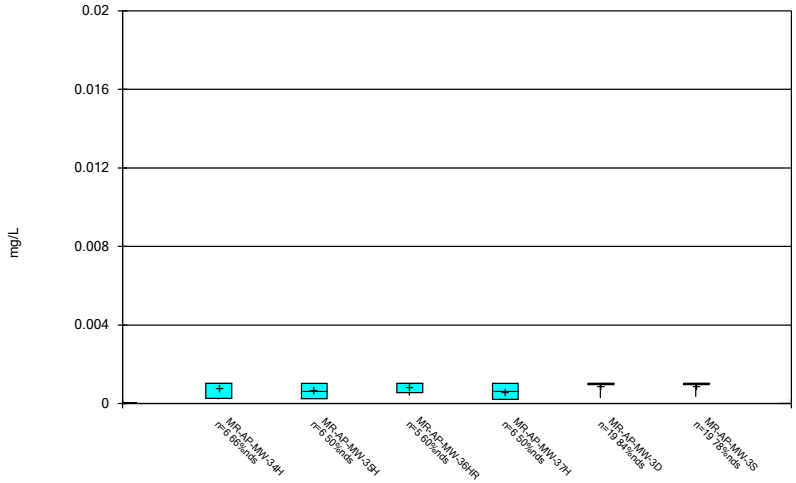

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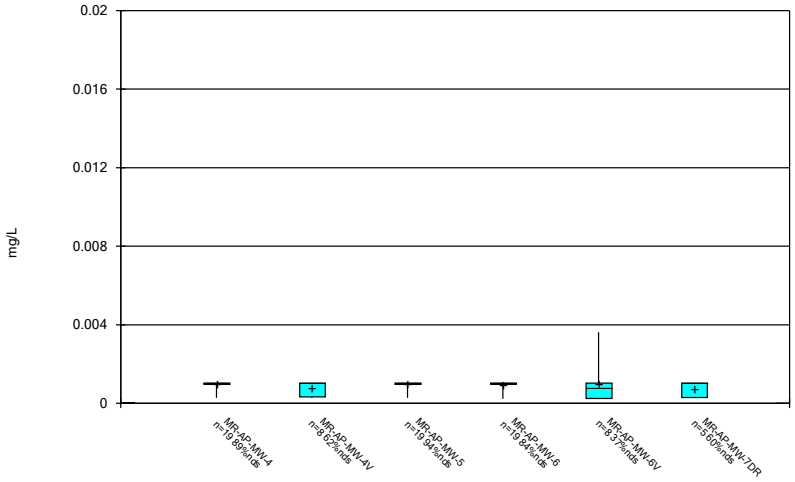

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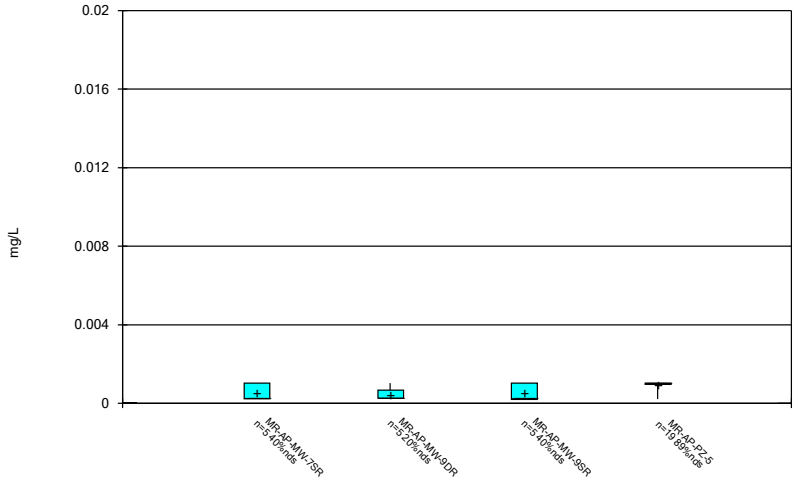

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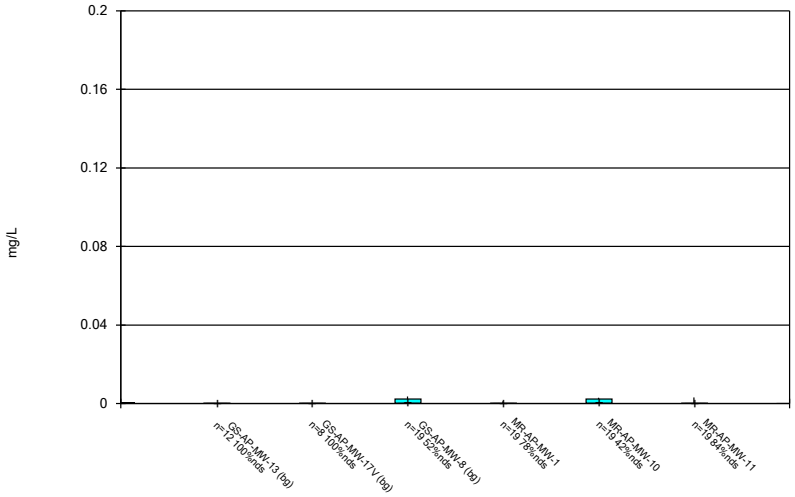
Box & Whiskers Plot



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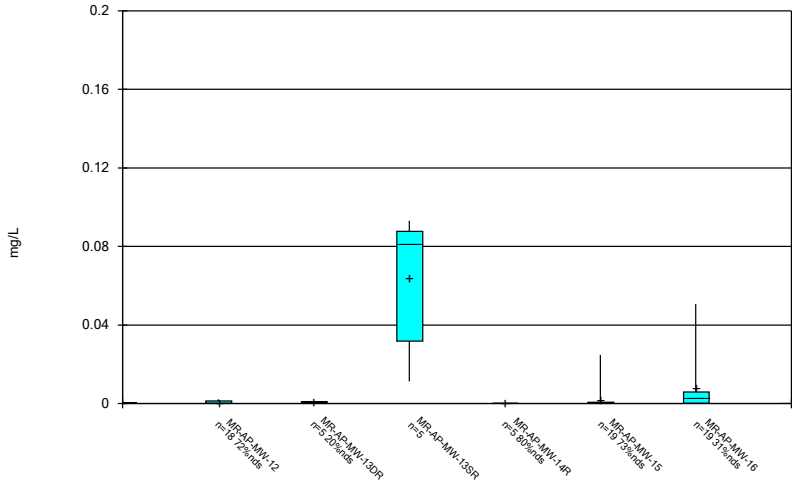
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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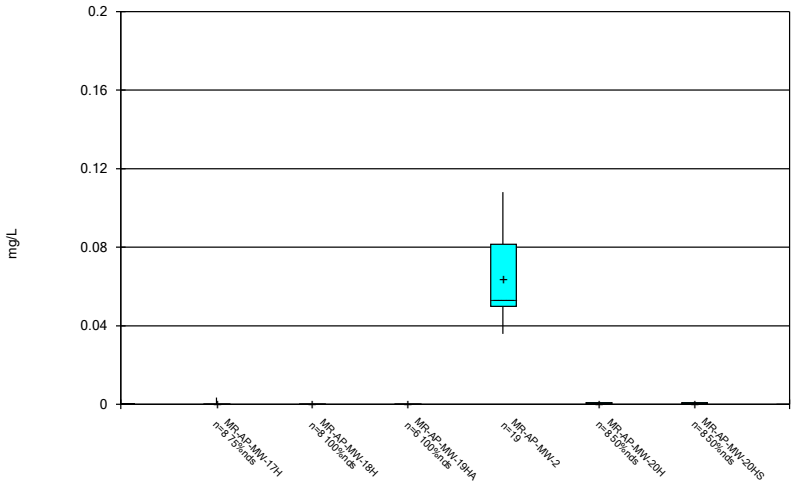

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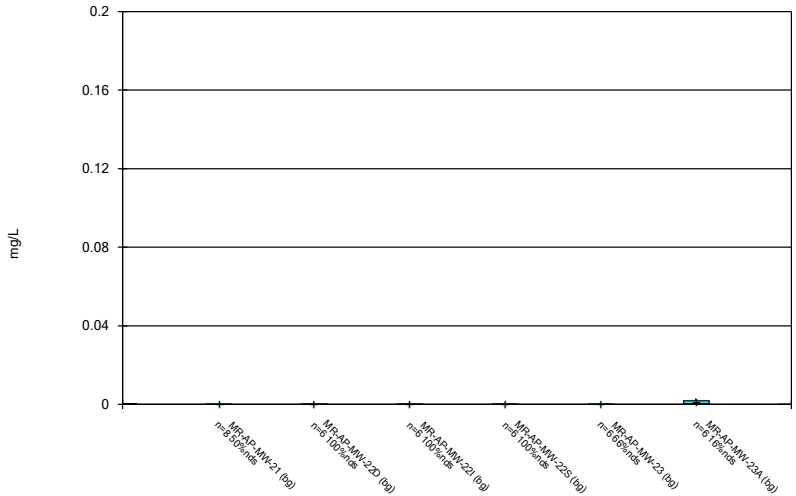

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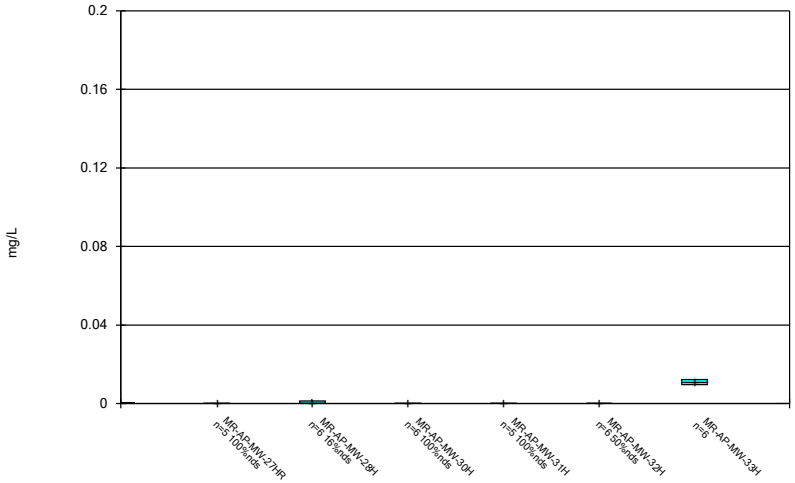

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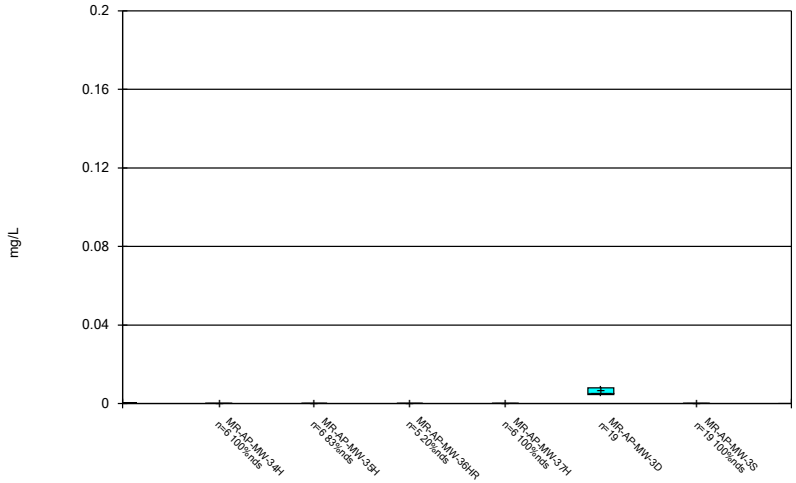

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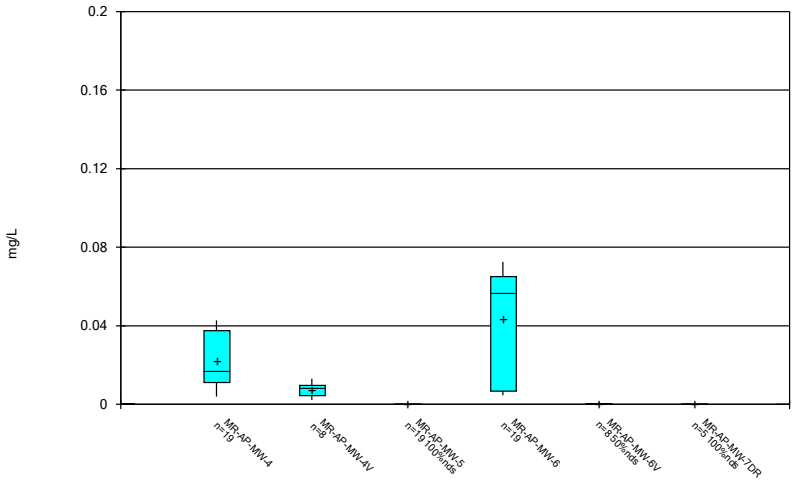
Box & Whiskers Plot



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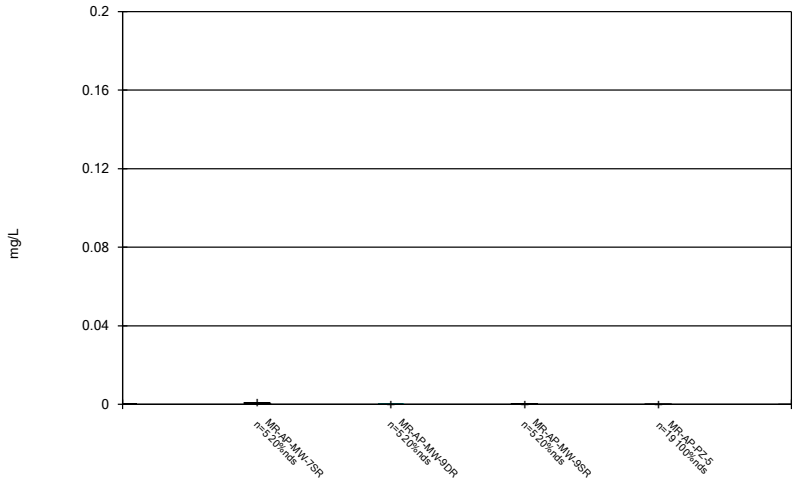
Box & Whiskers Plot



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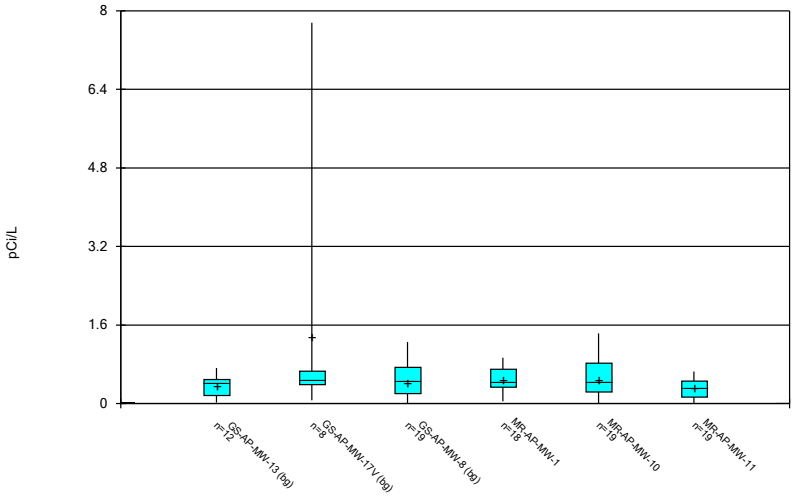
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot

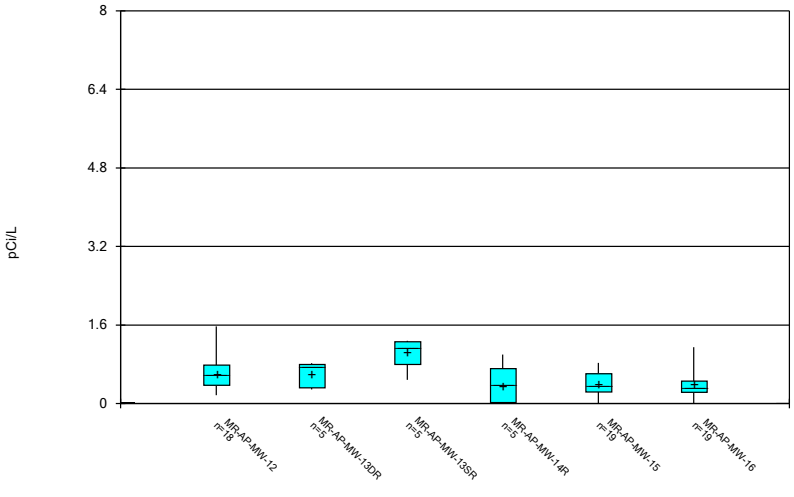


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 12:36 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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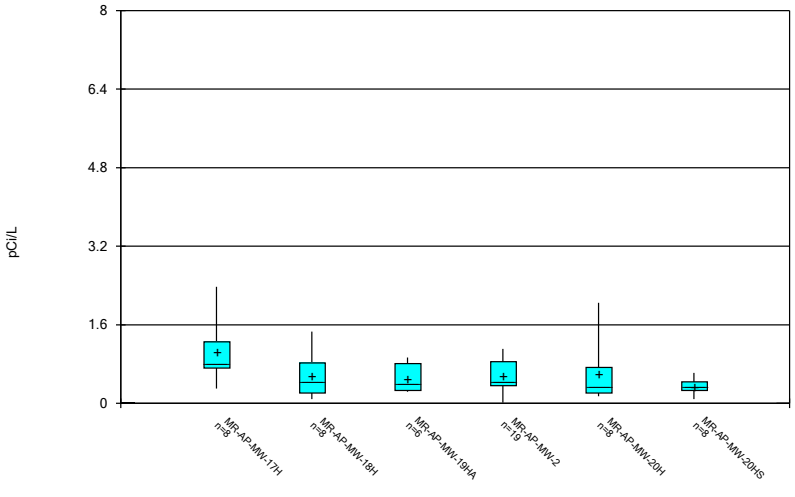
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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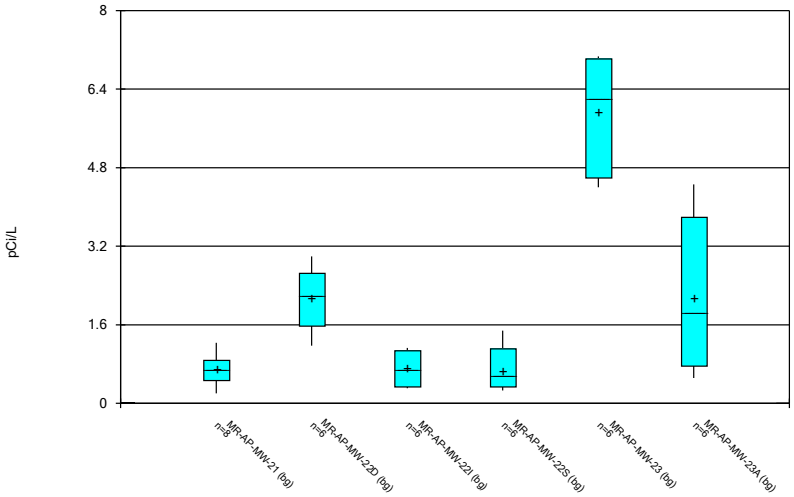
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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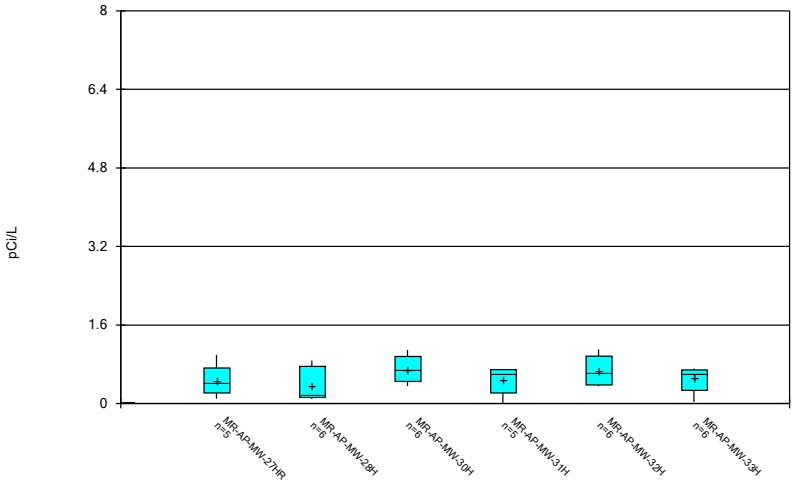
Box & Whiskers Plot



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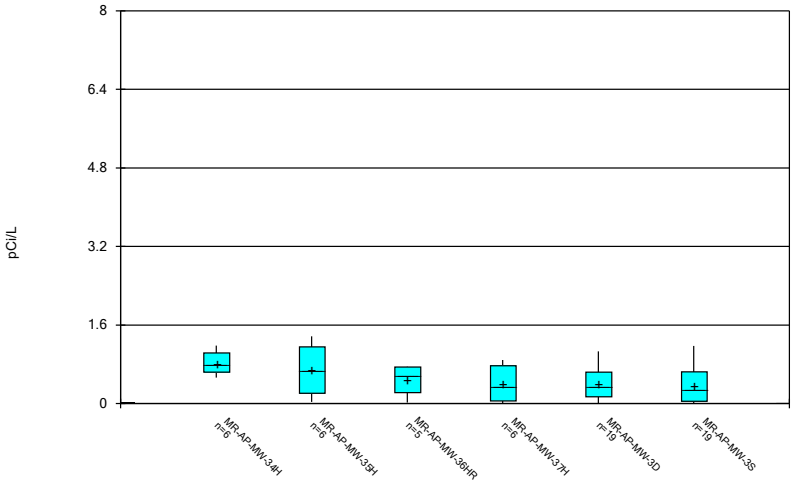
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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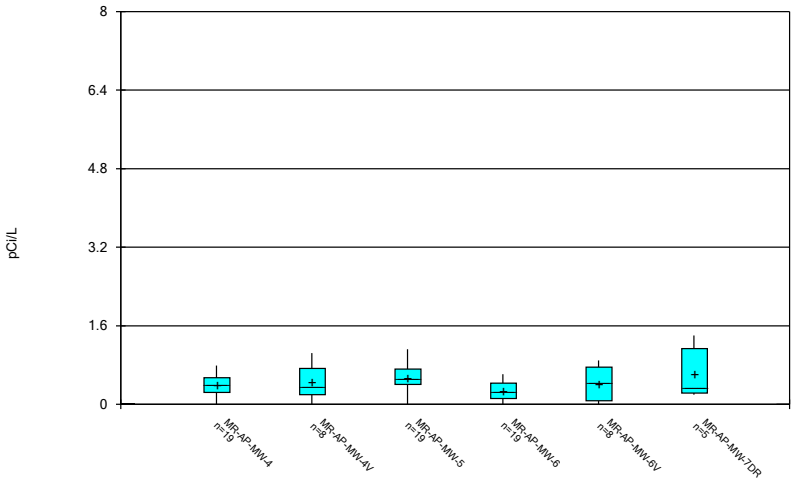
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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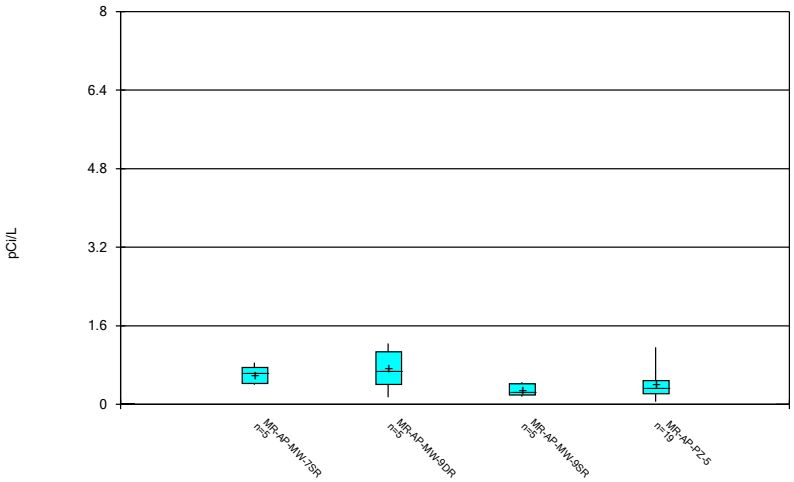
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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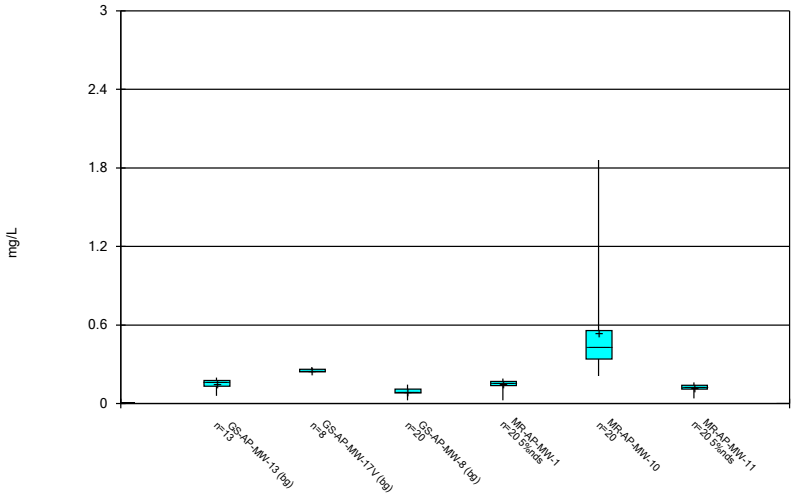
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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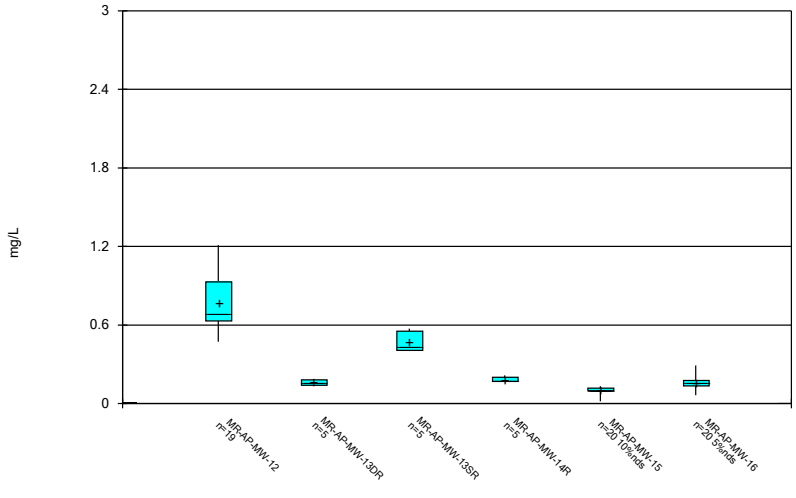
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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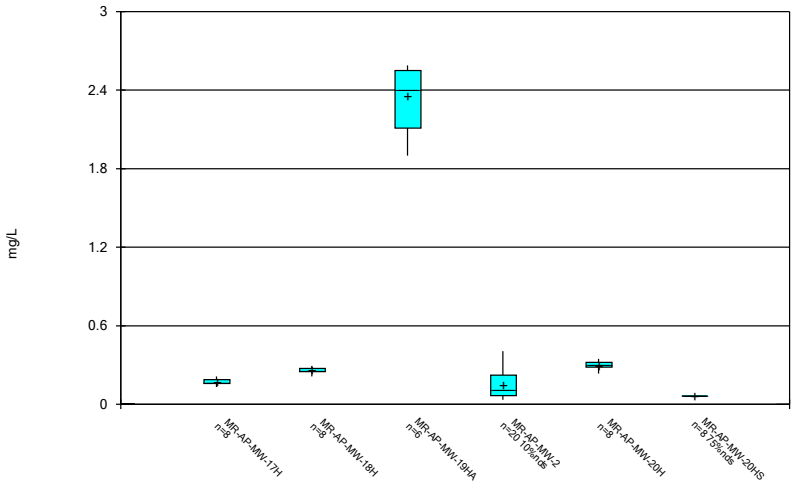
Box & Whiskers Plot



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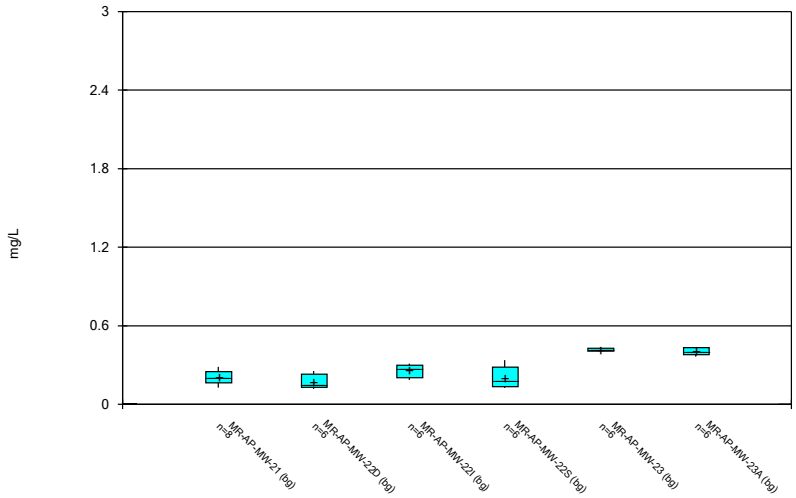

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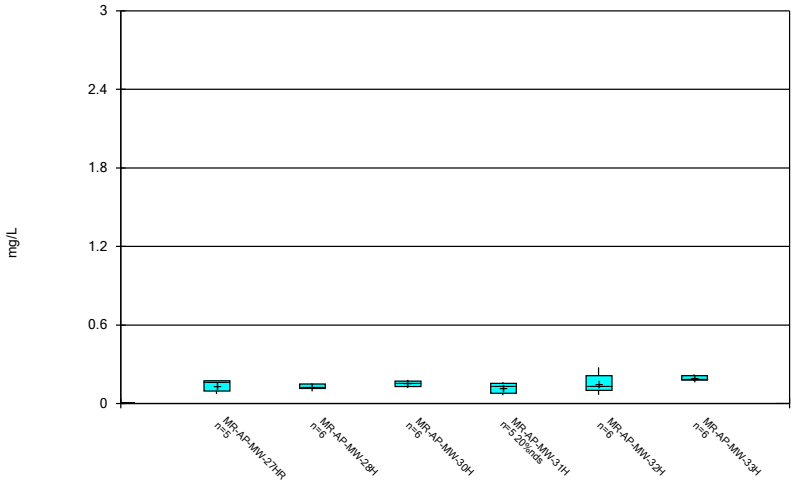

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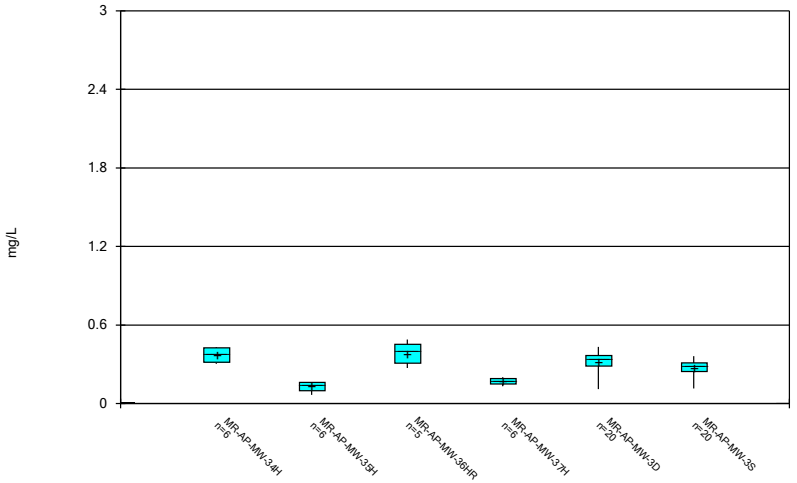

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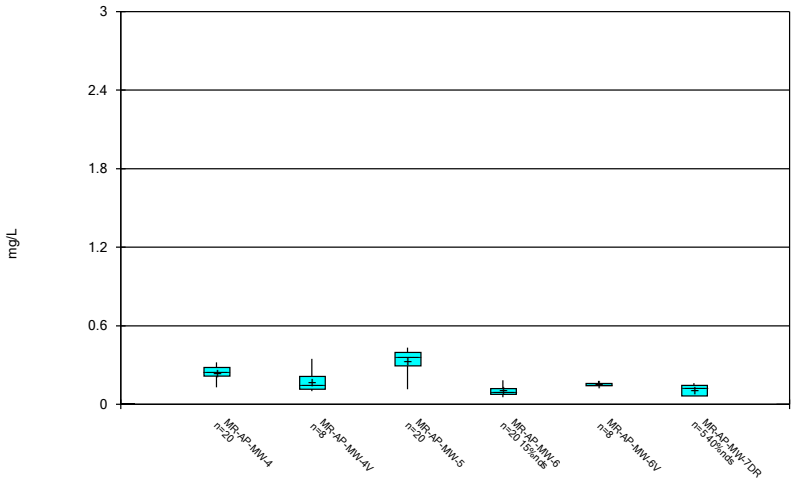

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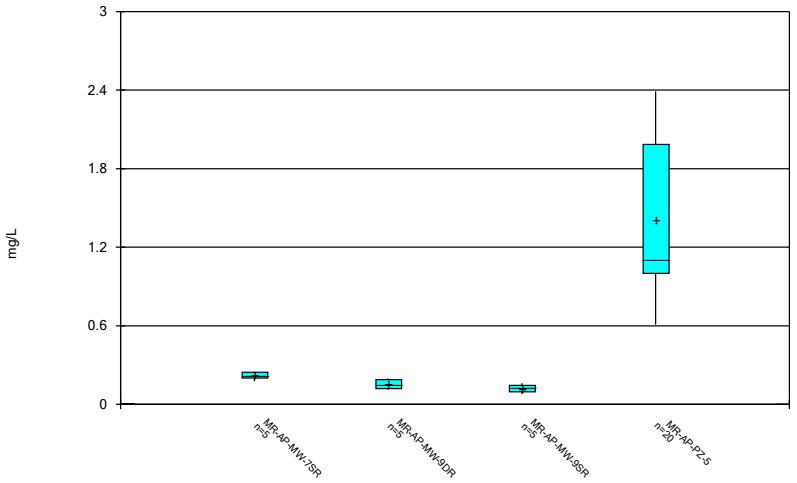

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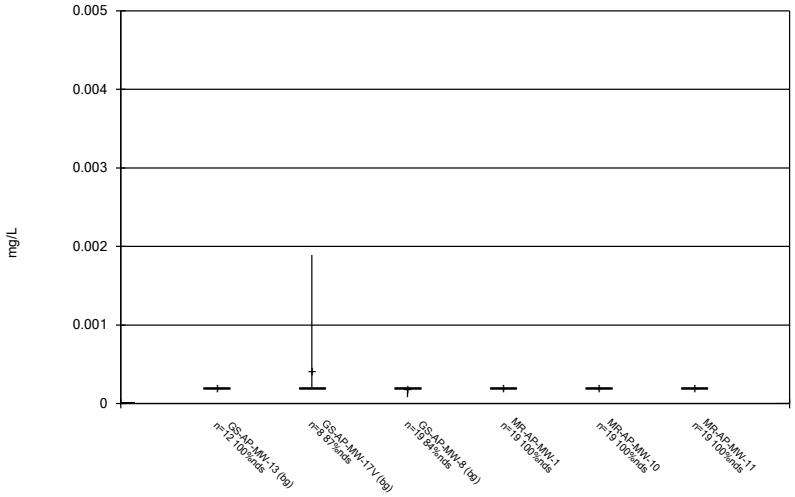

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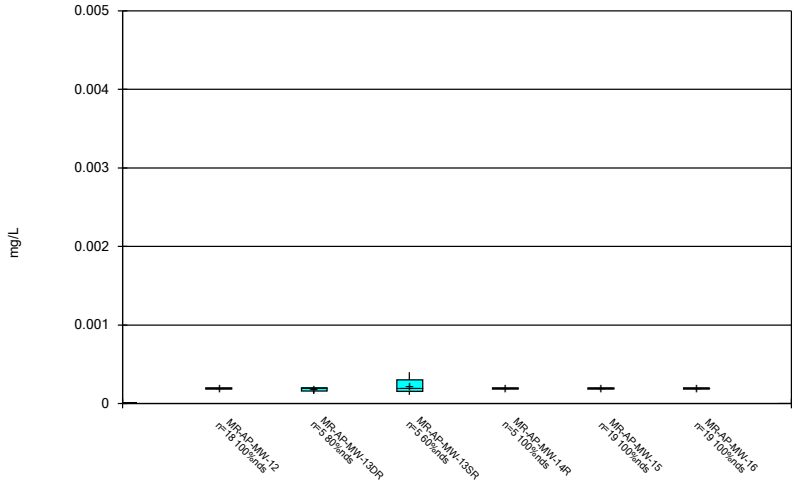
Box & Whiskers Plot



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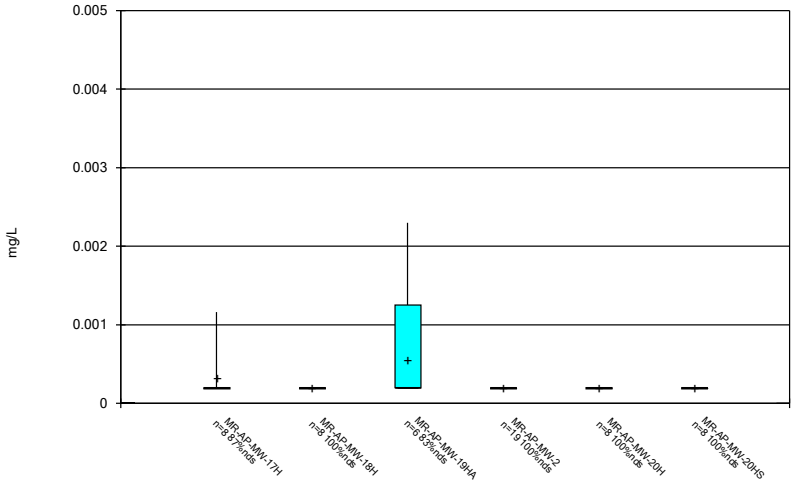

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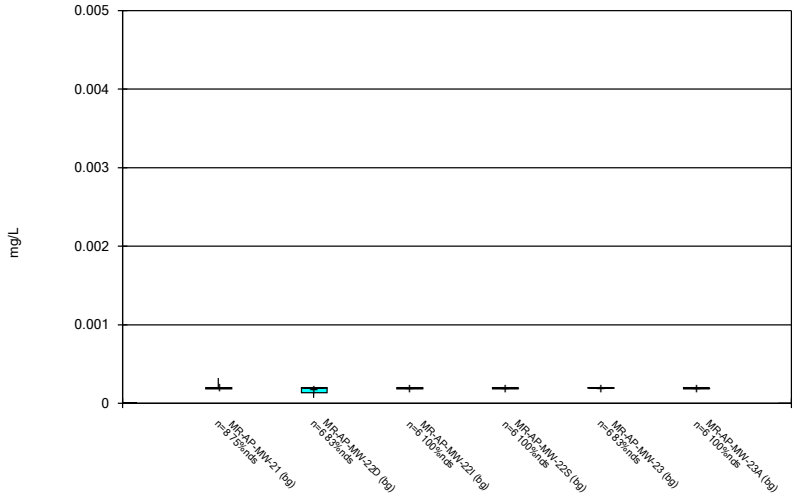

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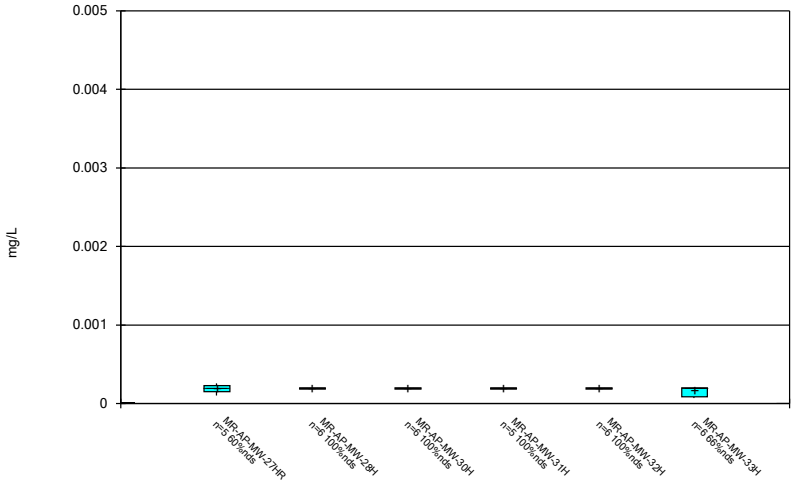

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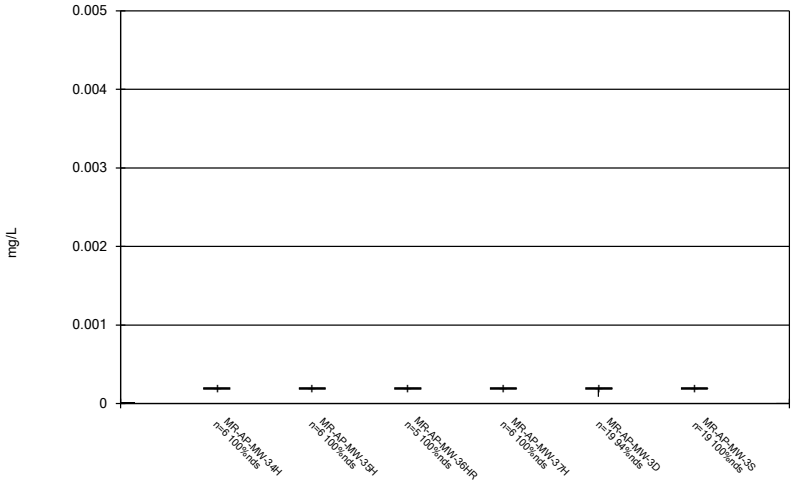

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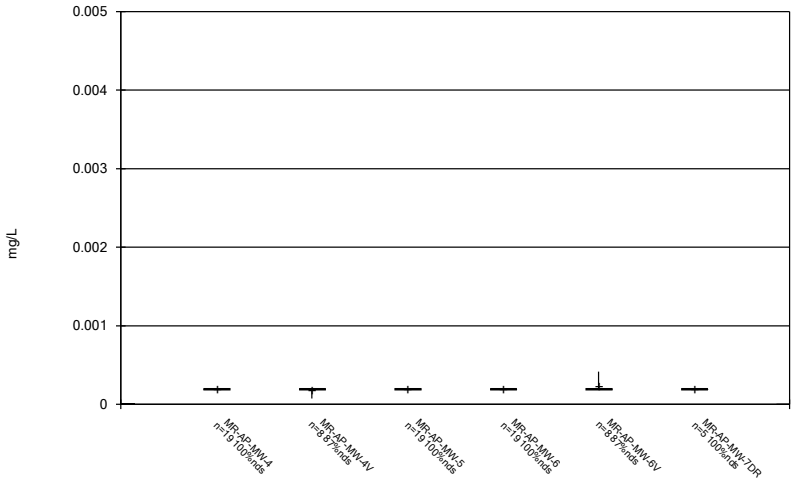

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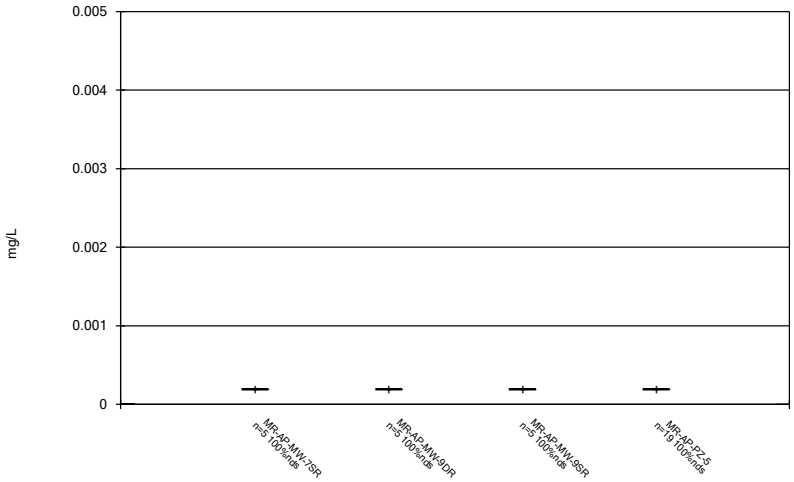
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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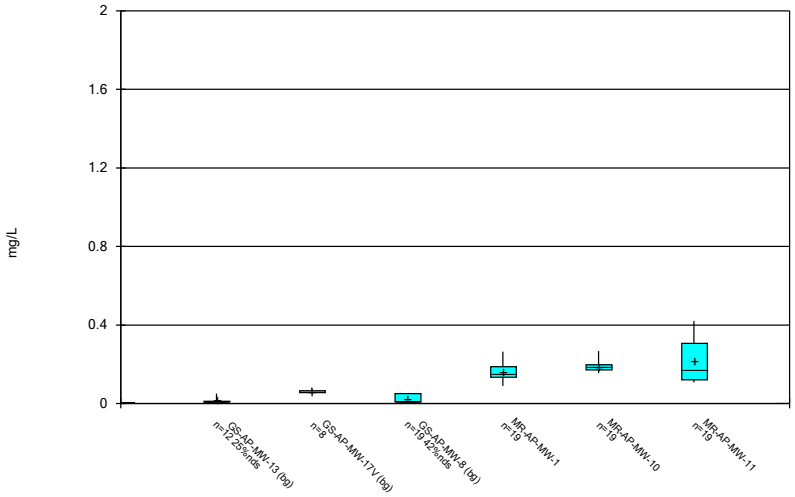
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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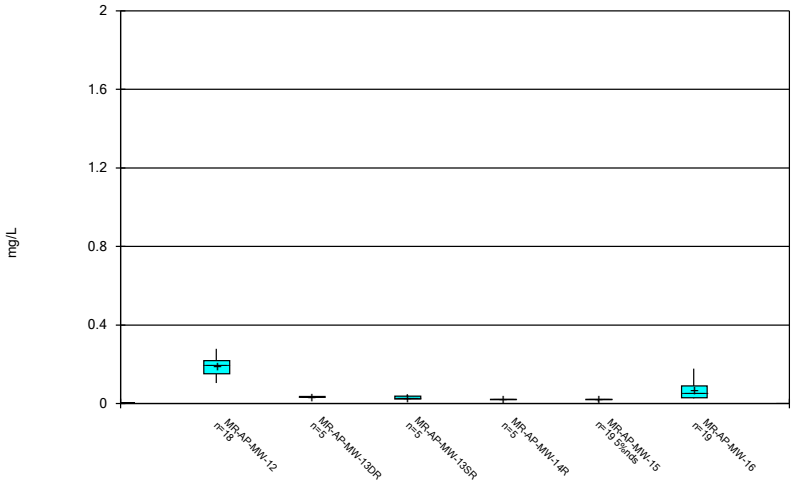
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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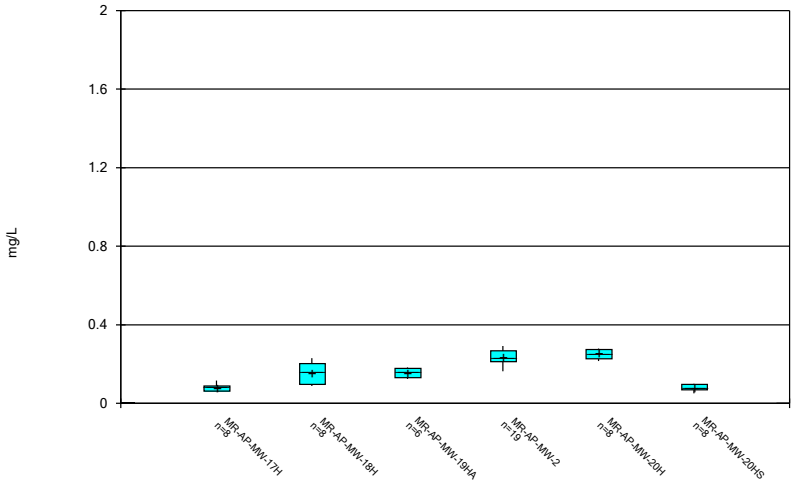
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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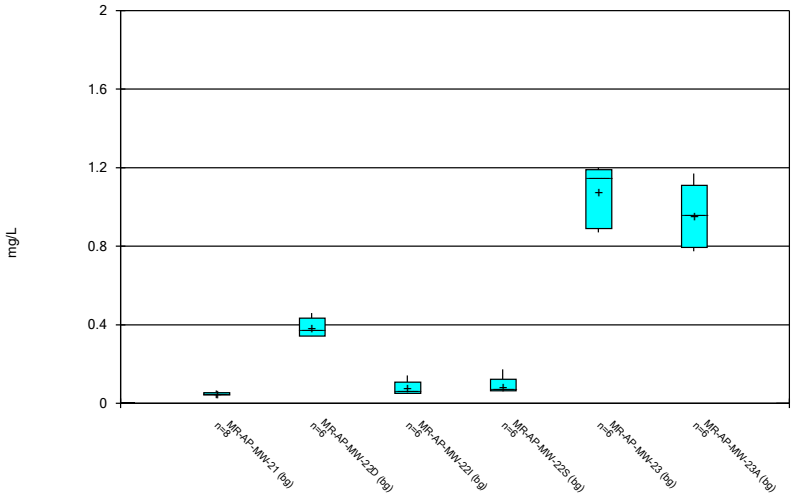
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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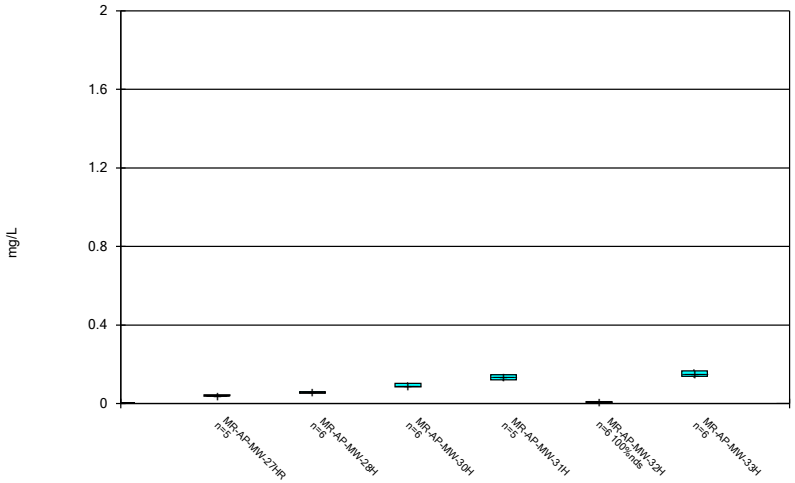
Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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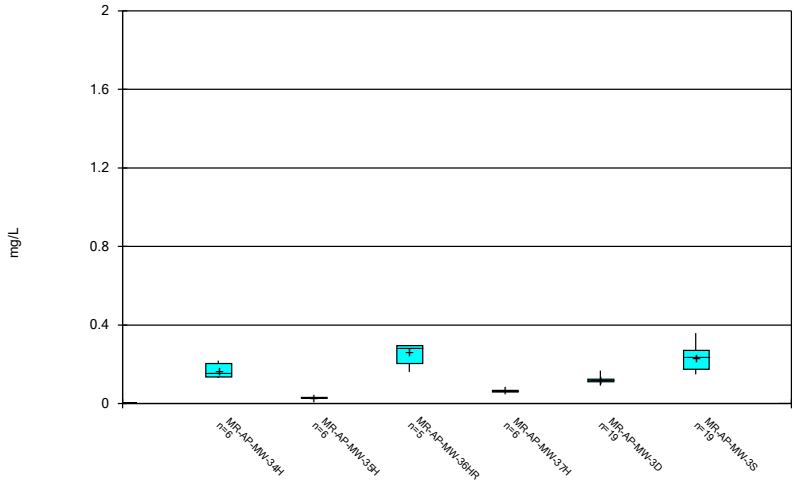
Box & Whiskers Plot



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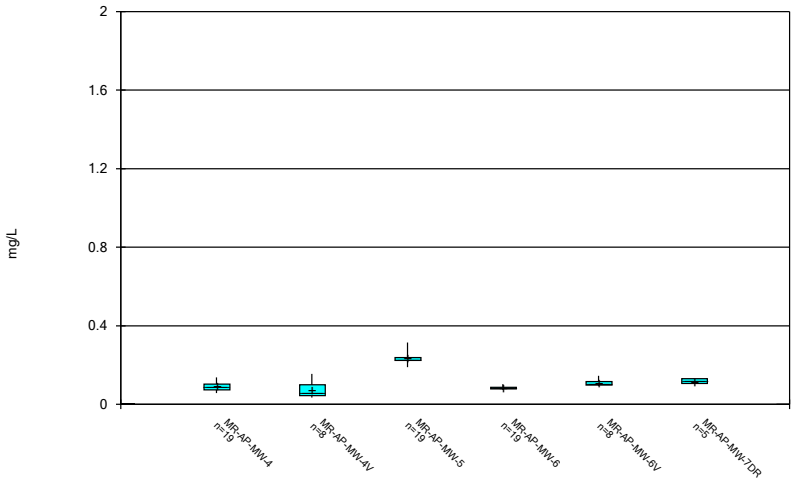
Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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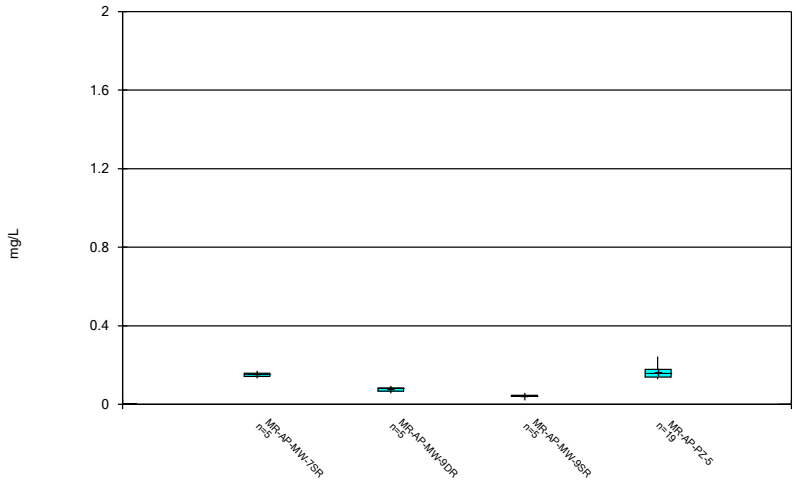
Box & Whiskers Plot



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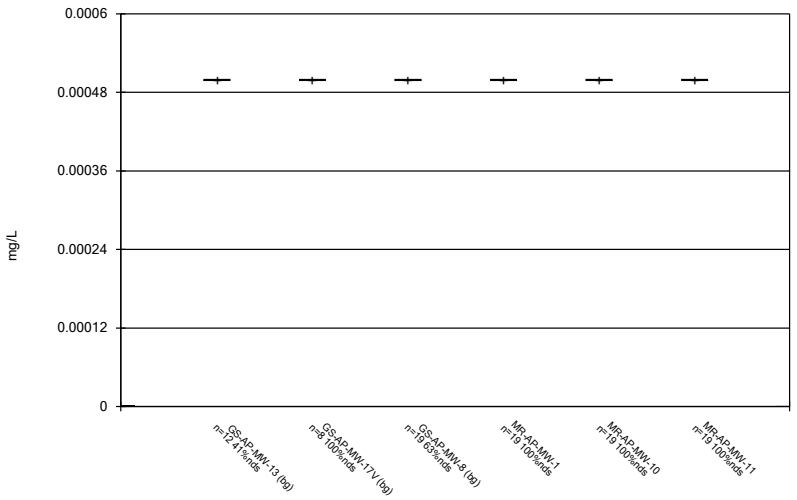
Box & Whiskers Plot



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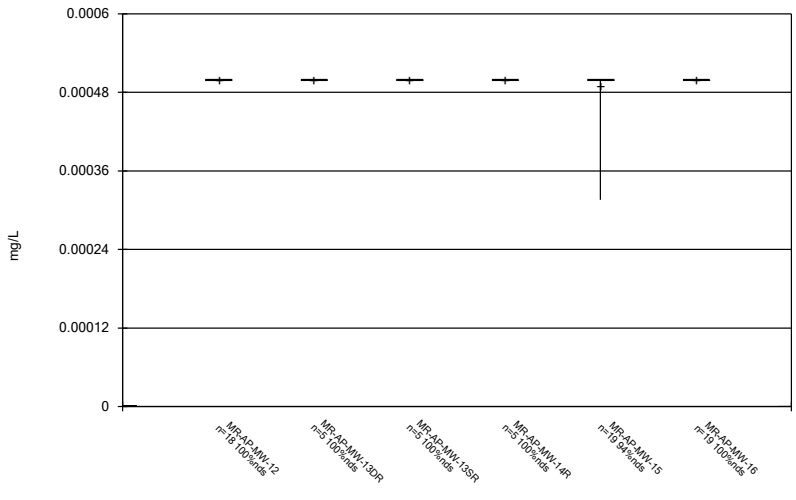
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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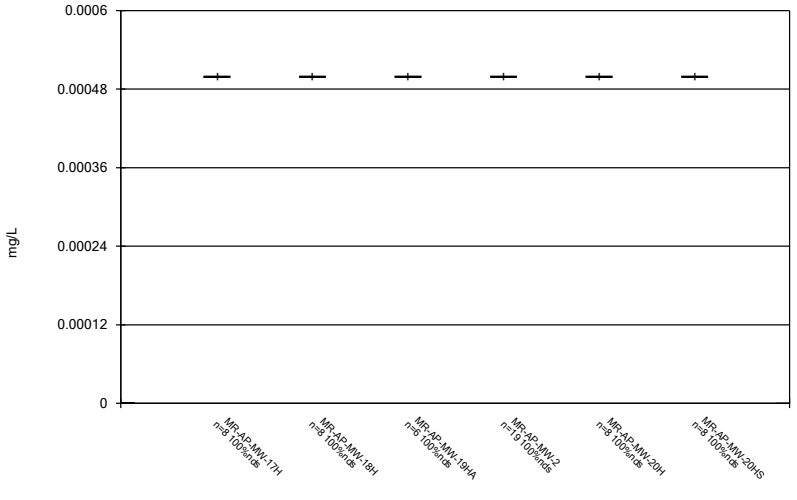
Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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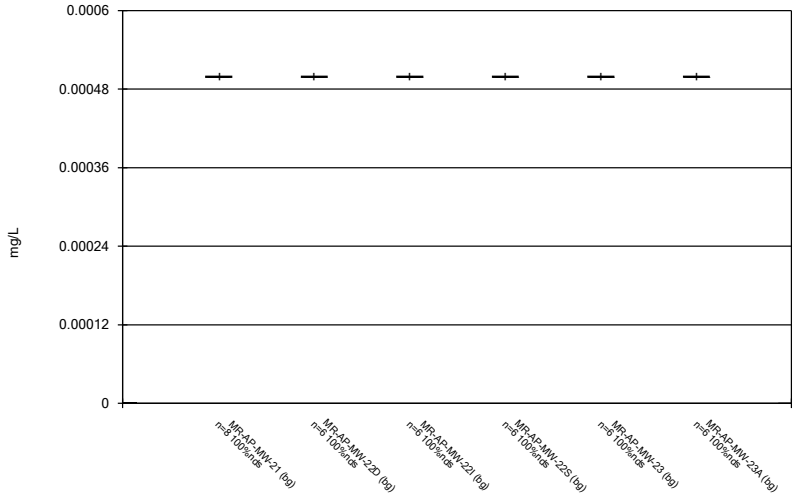

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Plant Miller Client: Southern Company Data: Miller Ash Pond

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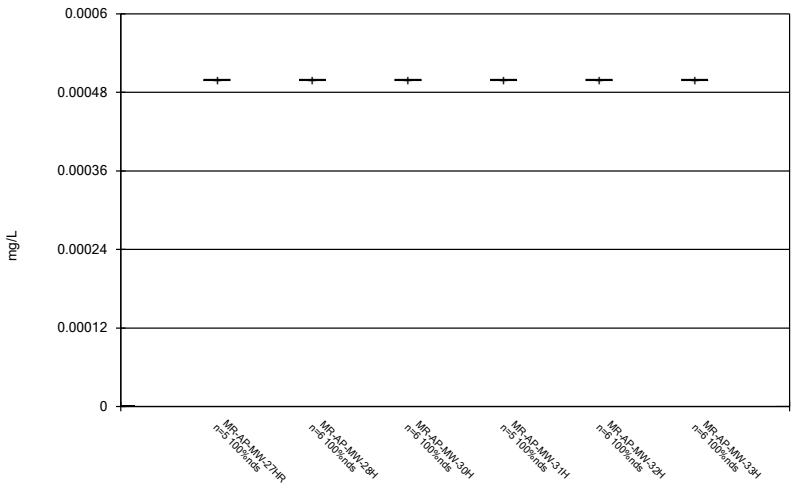

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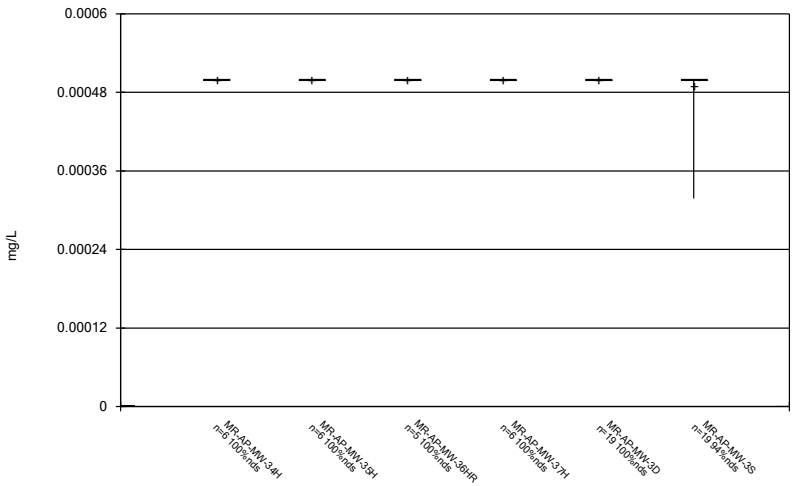
Box & Whiskers Plot



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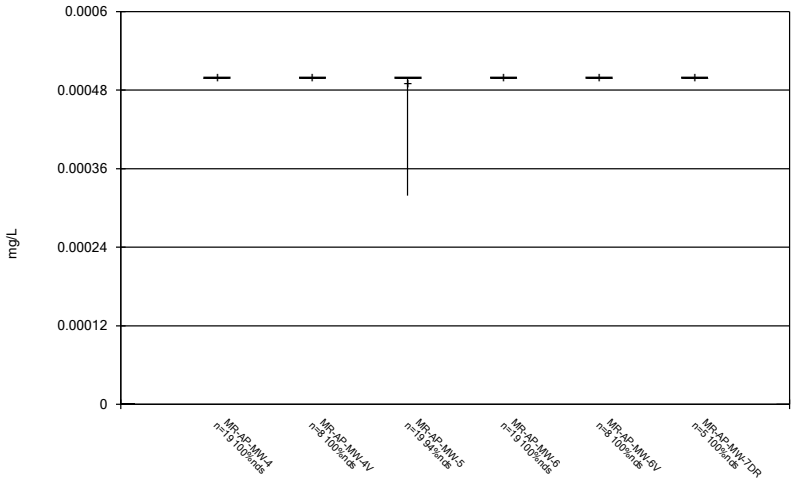
Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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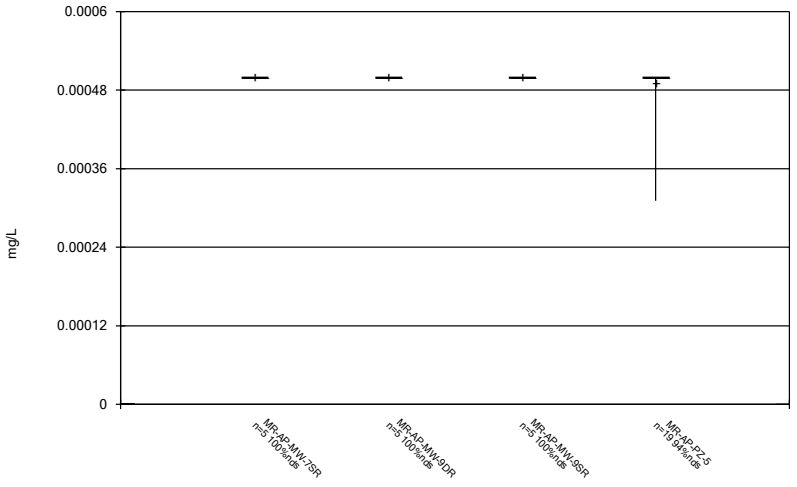
Box & Whiskers Plot



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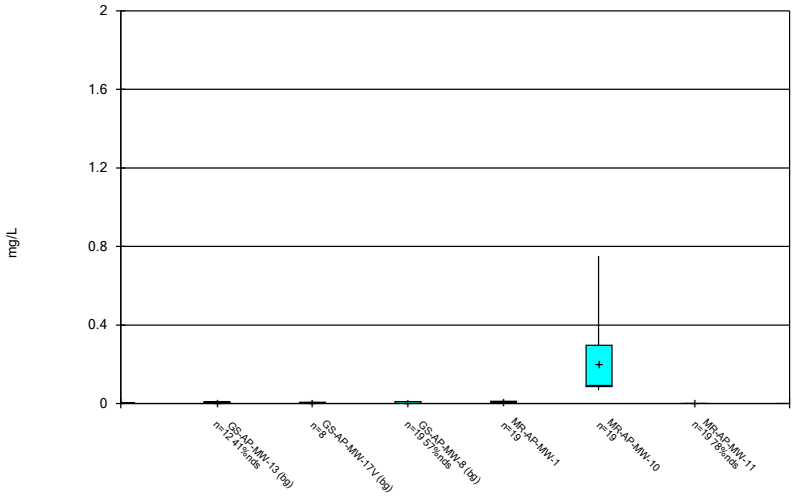
Box & Whiskers Plot



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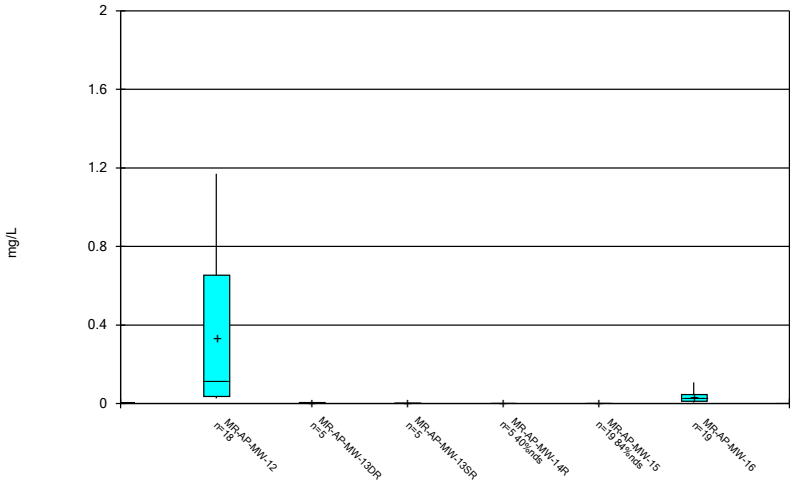
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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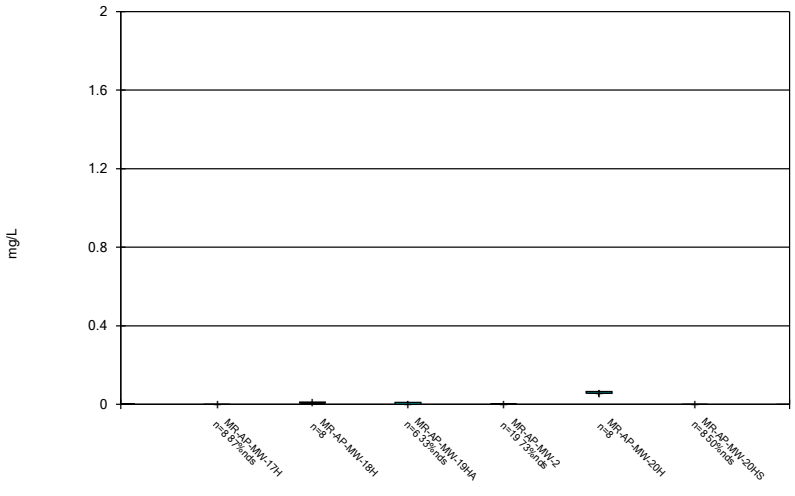
Box & Whiskers Plot



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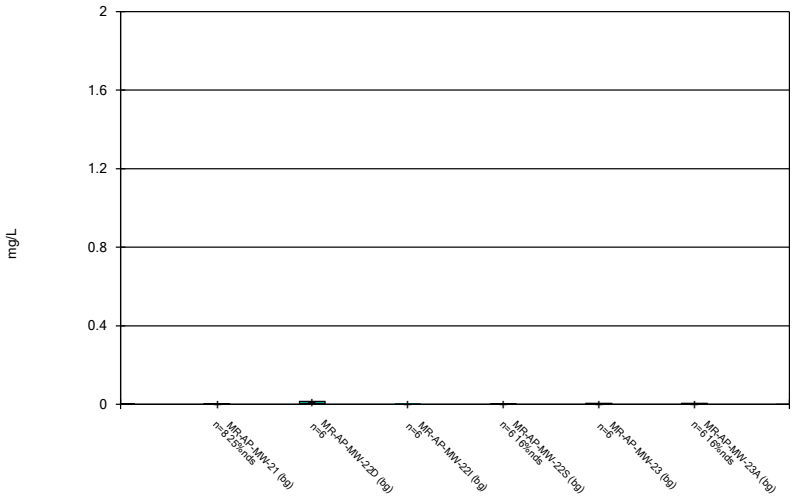

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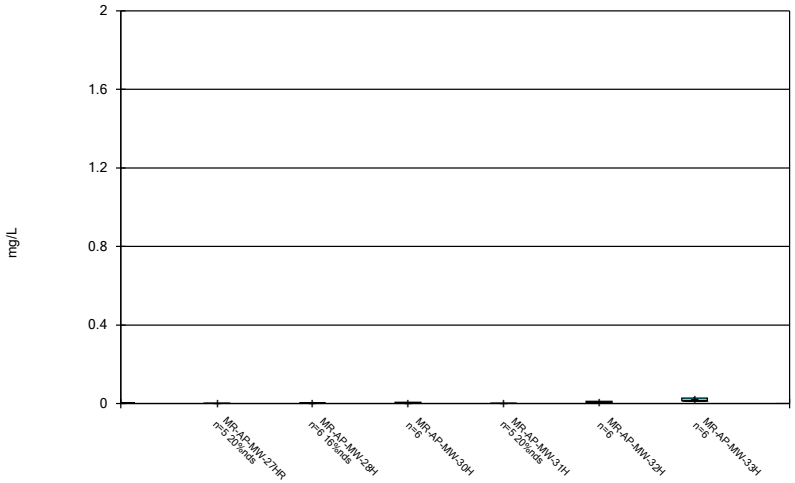
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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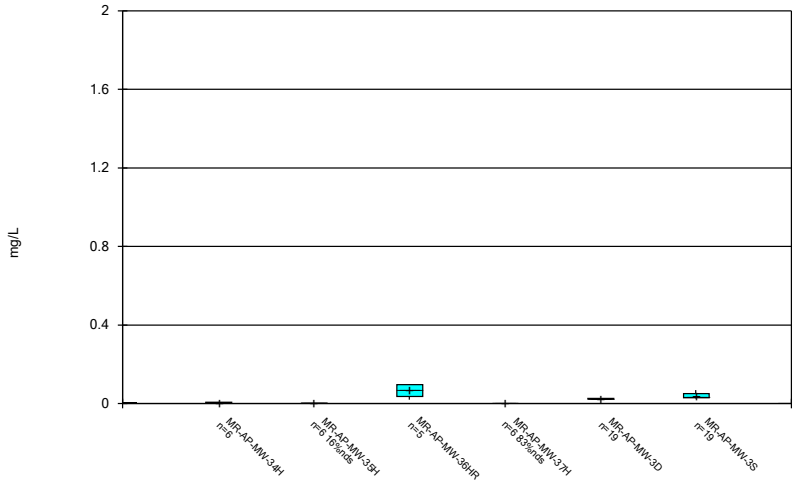
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

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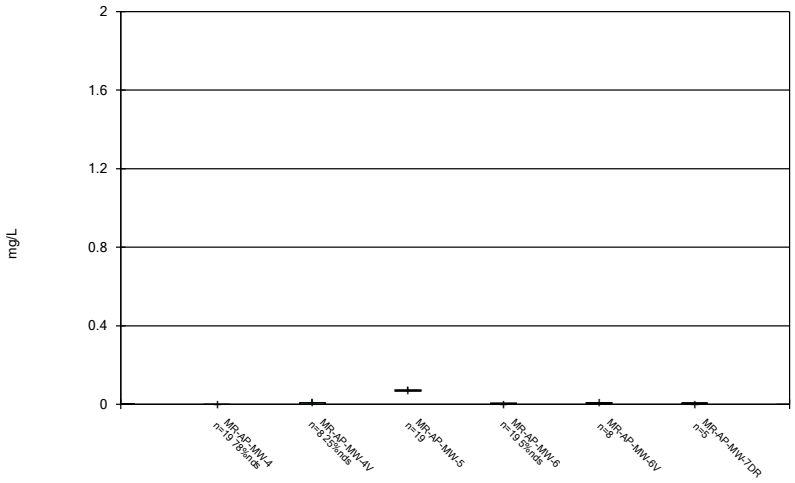

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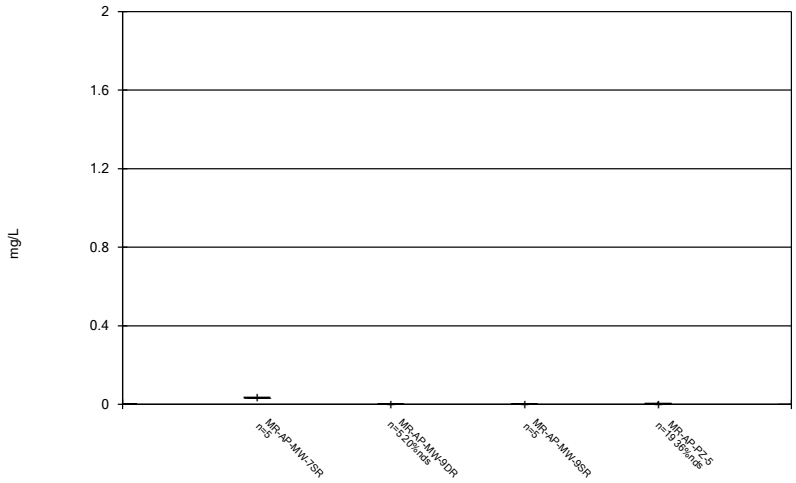
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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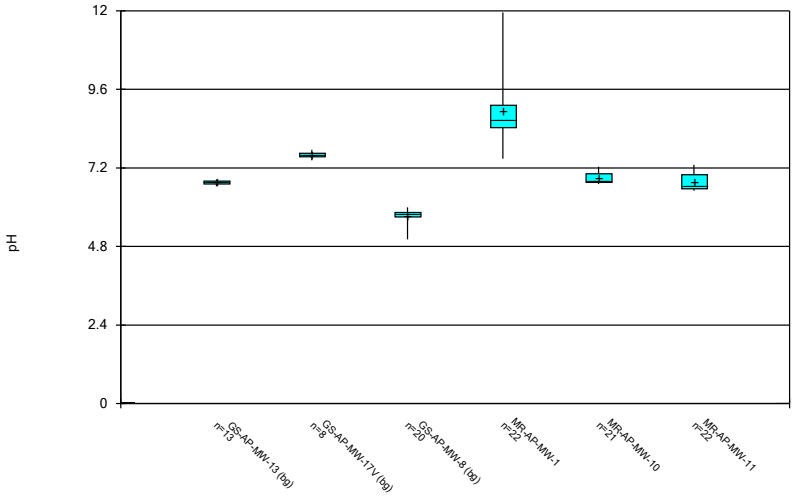
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot

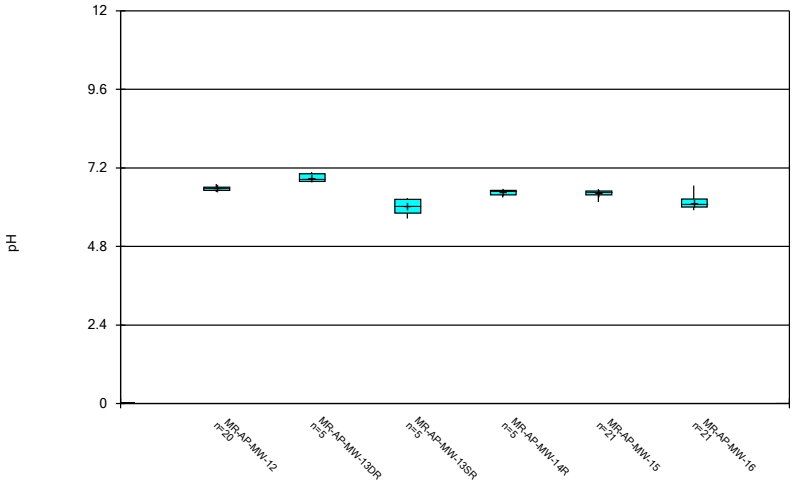


Constituent: pH, Field Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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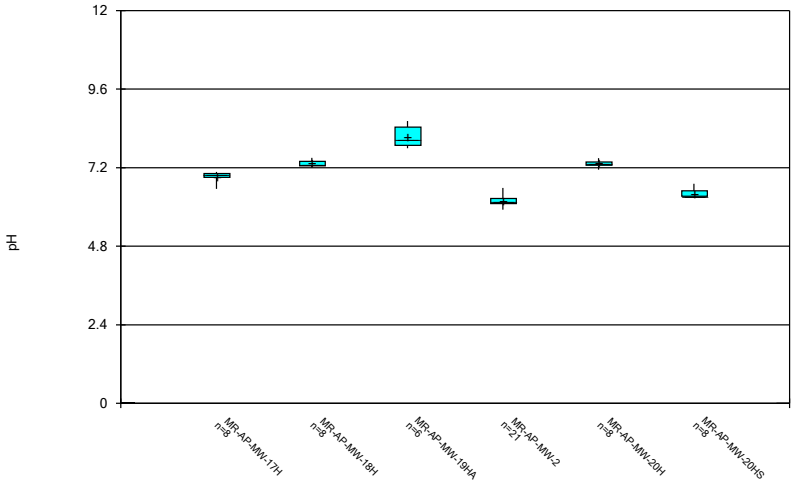
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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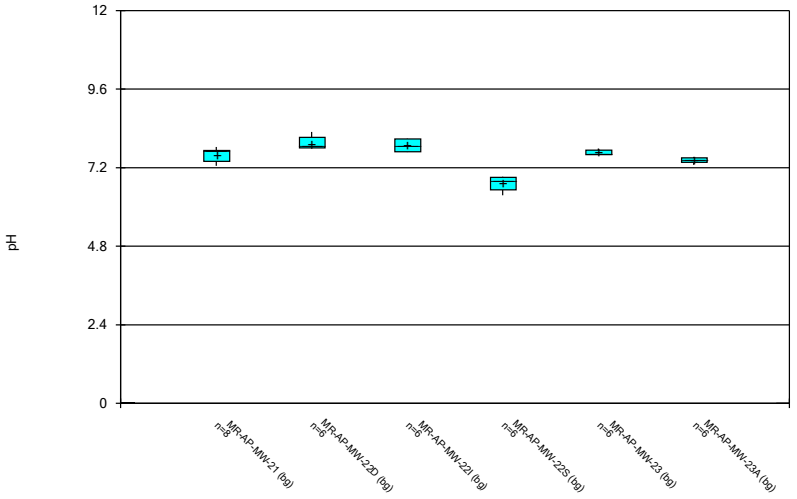

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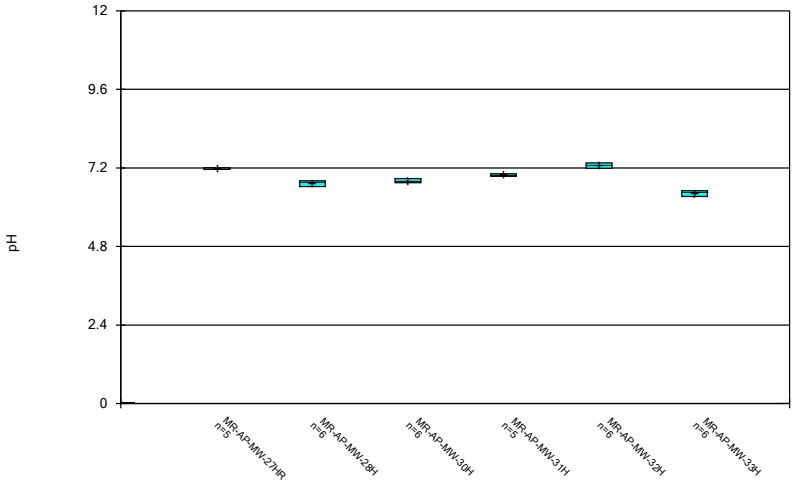

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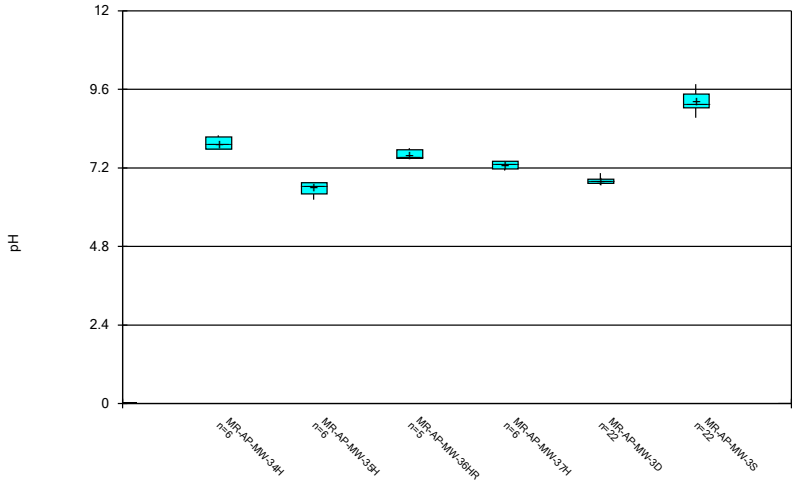

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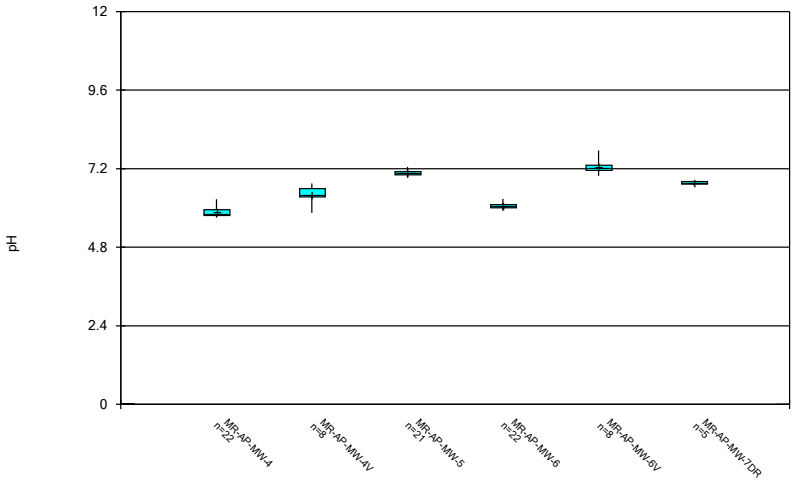

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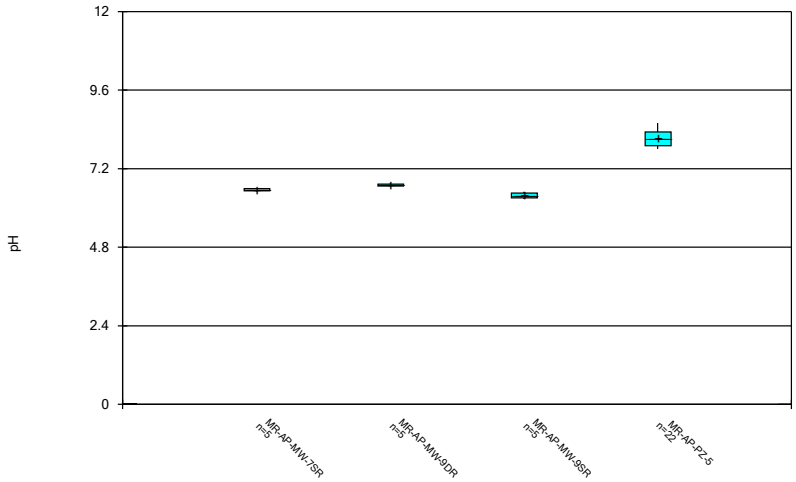

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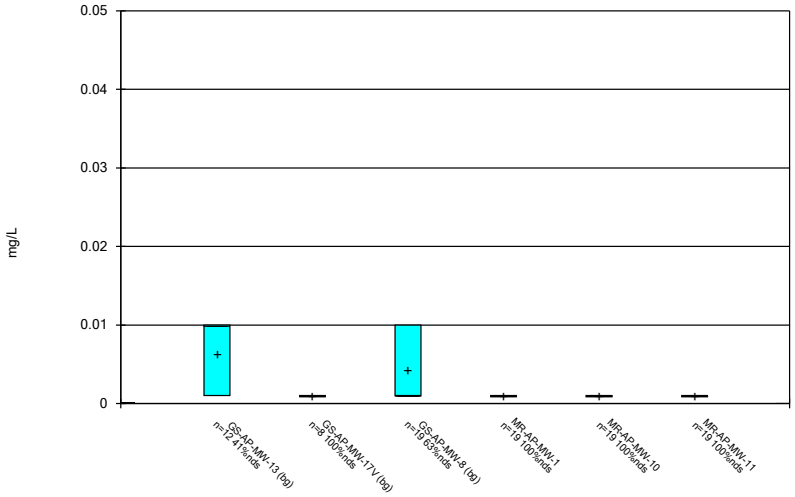
Box & Whiskers Plot



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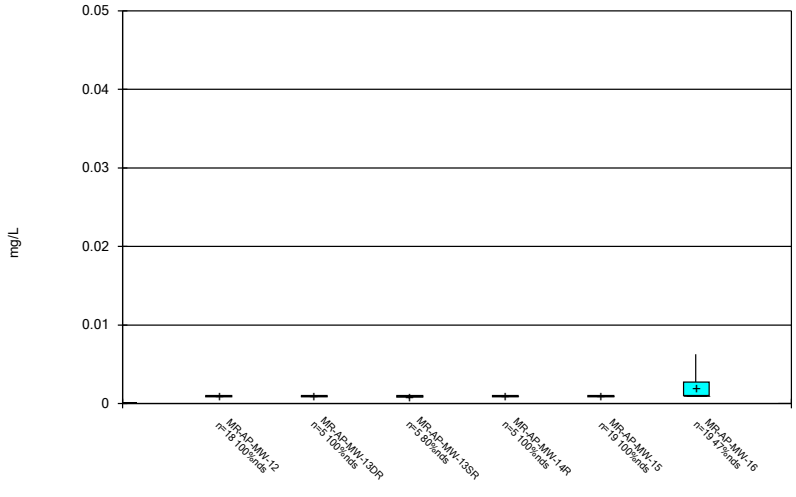
Box & Whiskers Plot



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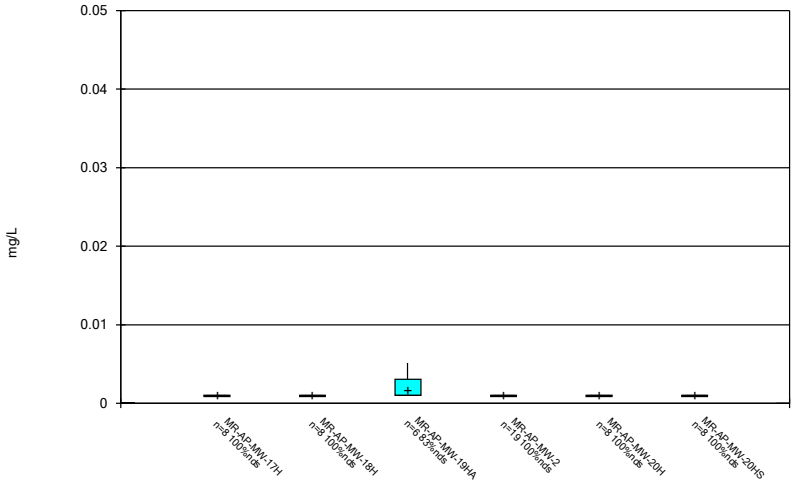

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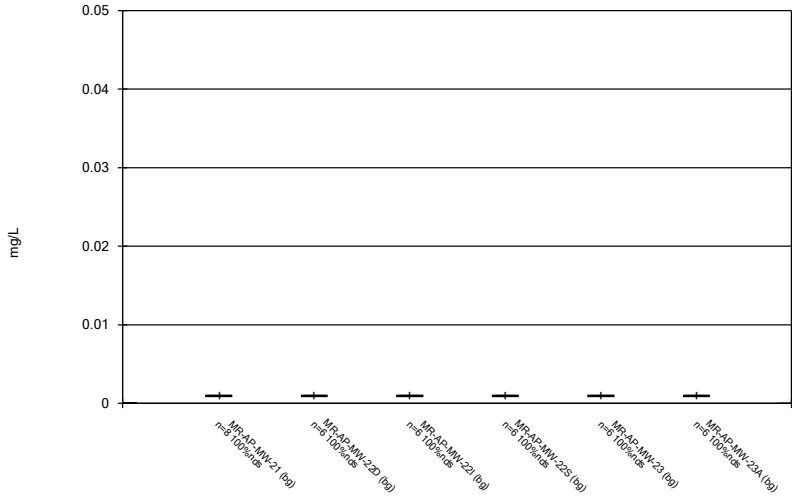

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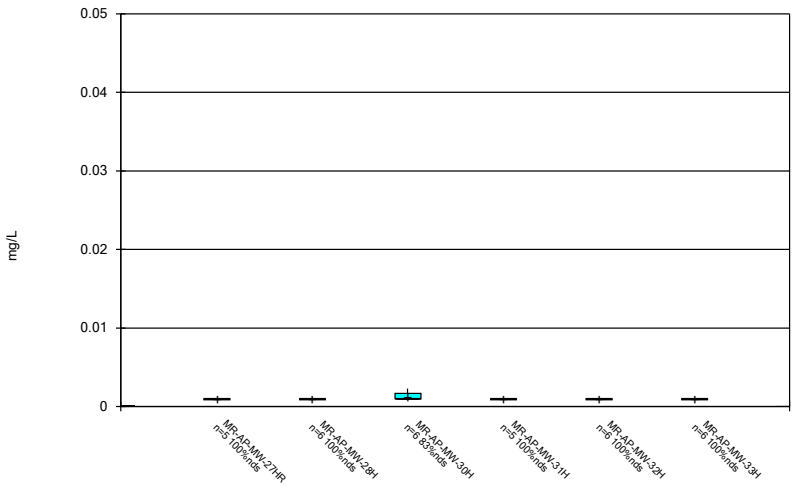

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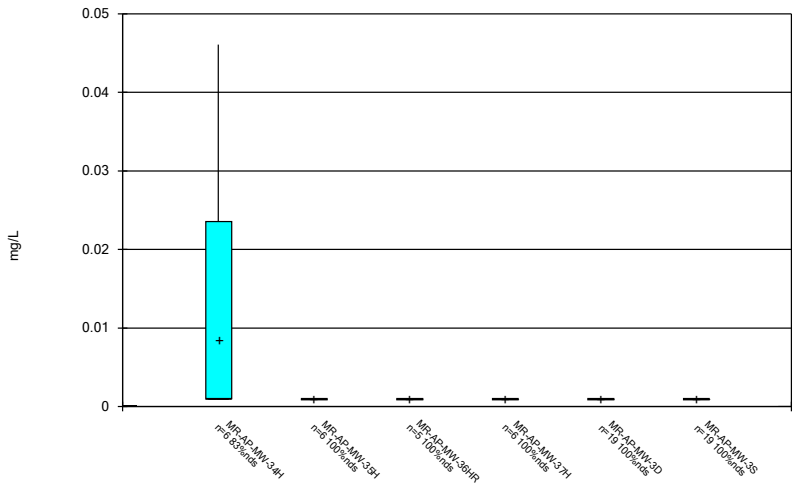

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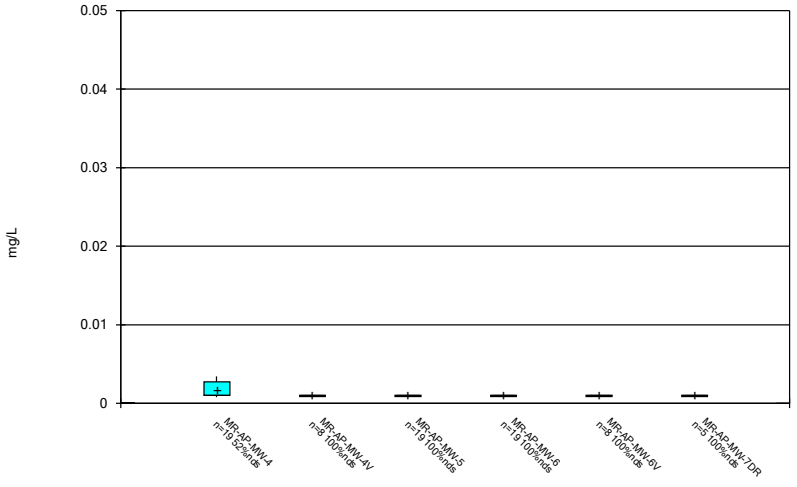

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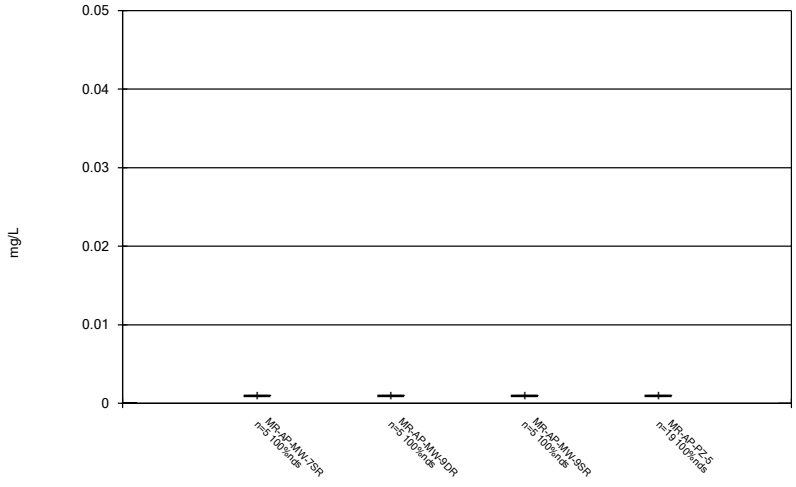

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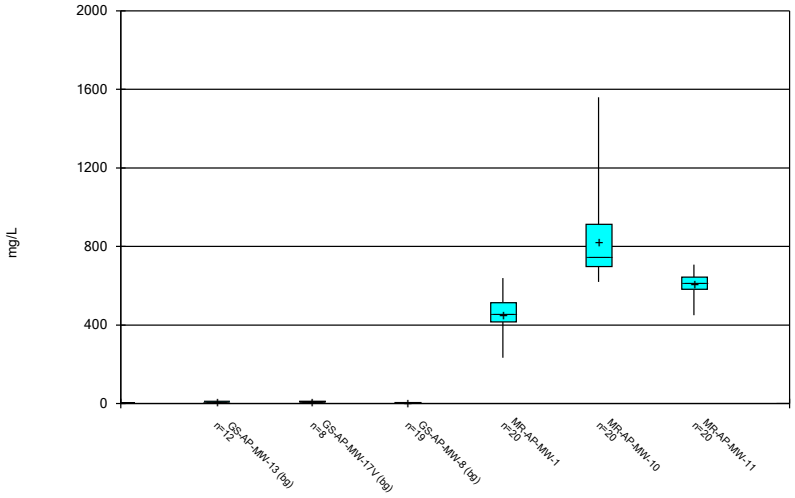
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot

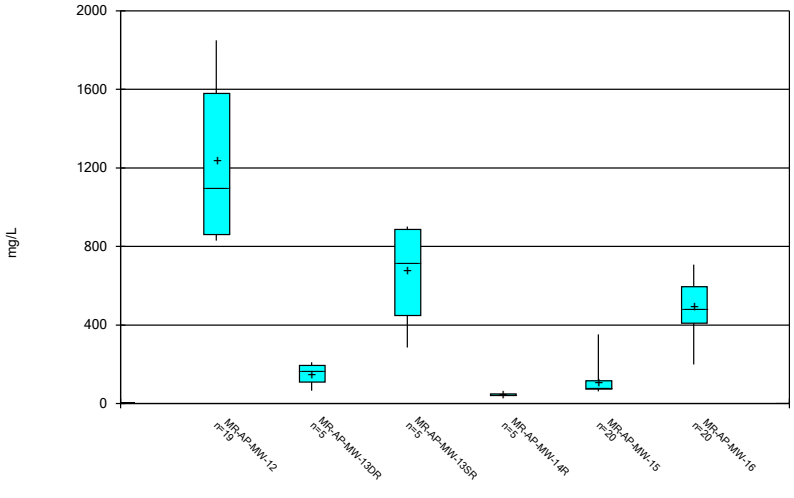


Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

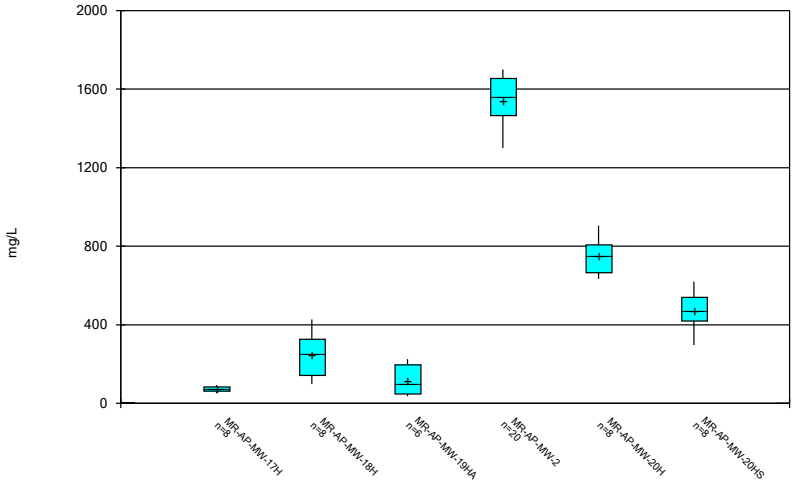


Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

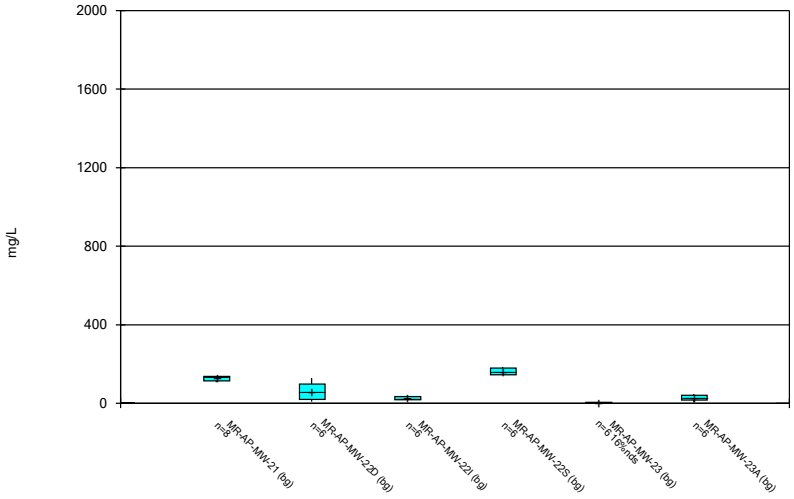


Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

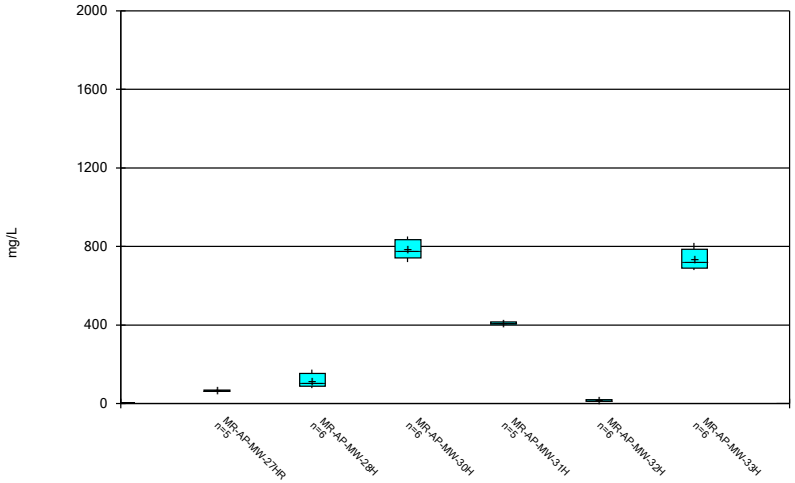
Box & Whiskers Plot



Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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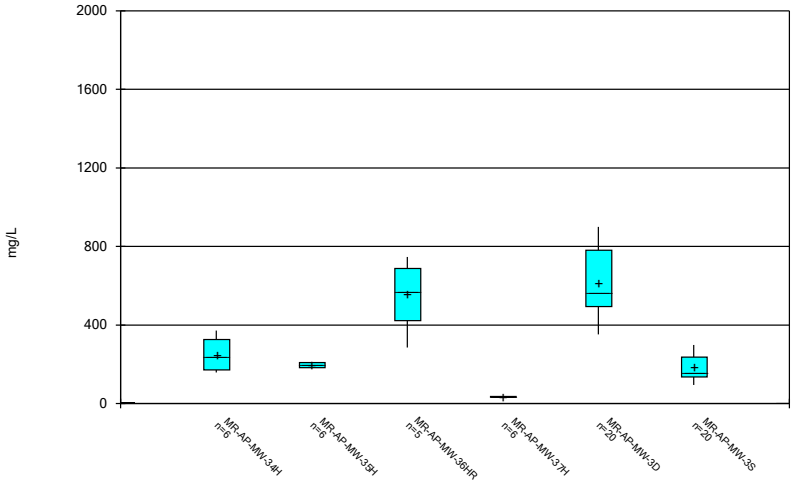
Box & Whiskers Plot



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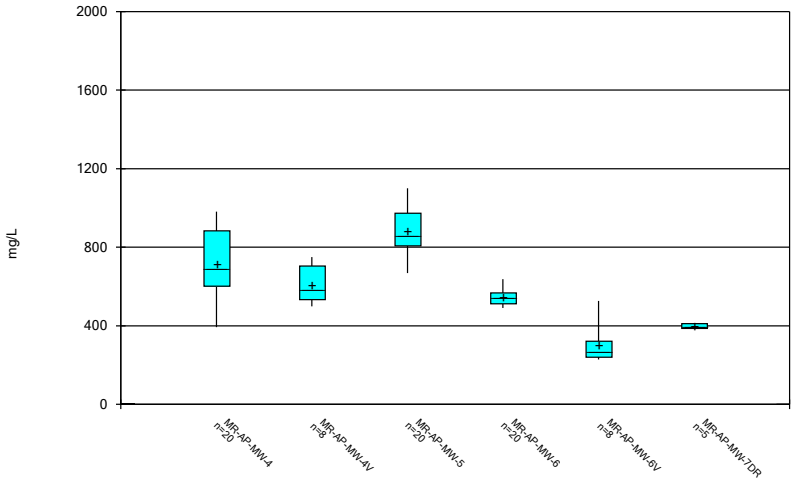
Box & Whiskers Plot



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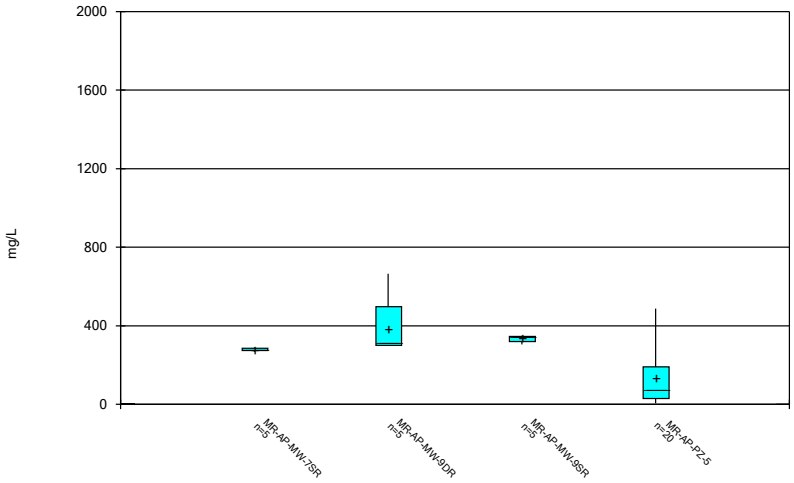
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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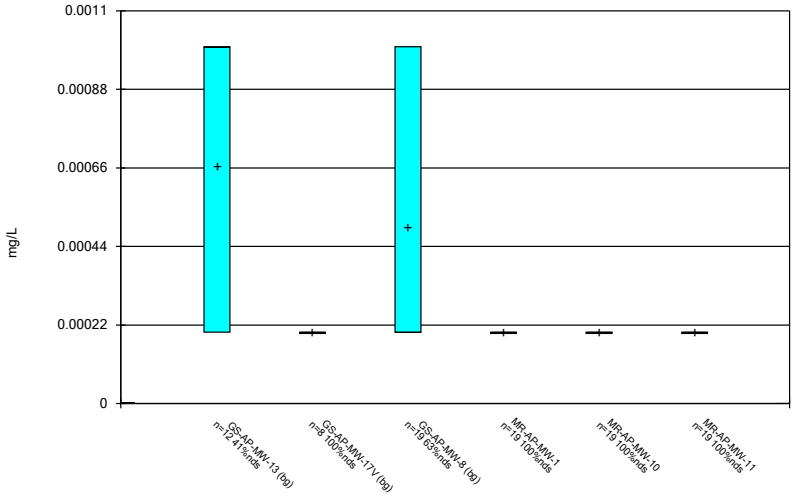
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

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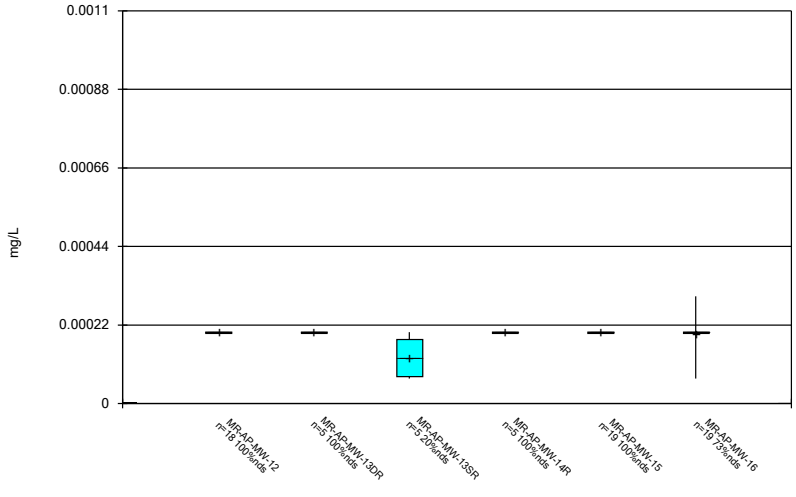
Box & Whiskers Plot



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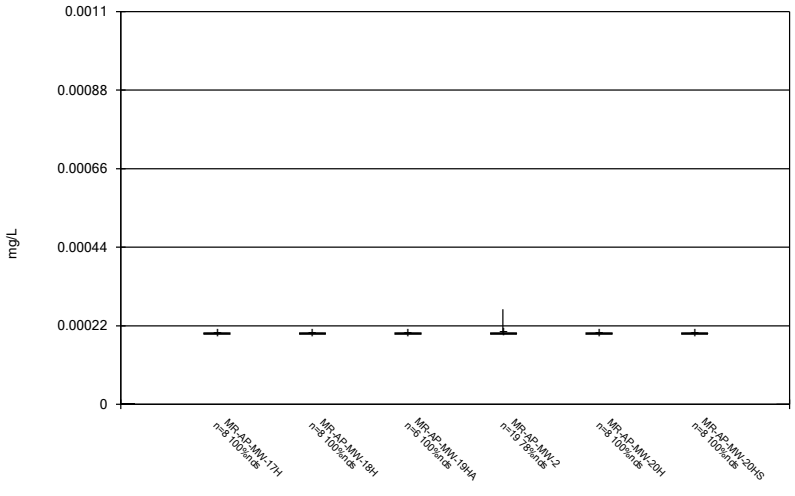
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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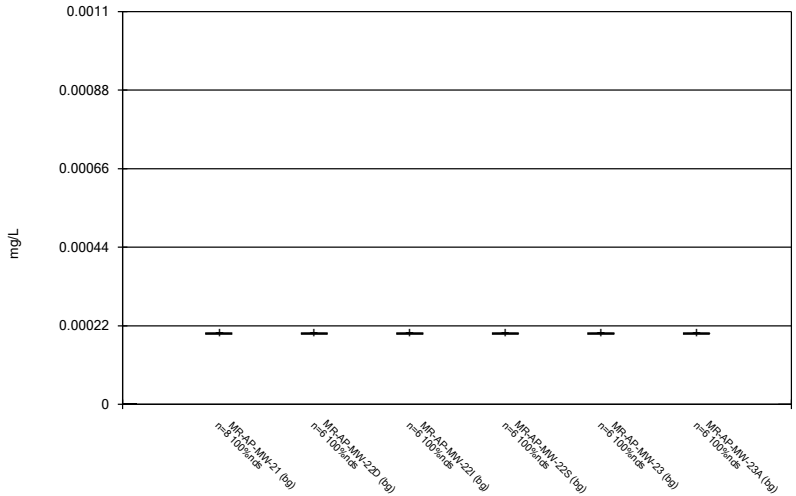
Box & Whiskers Plot



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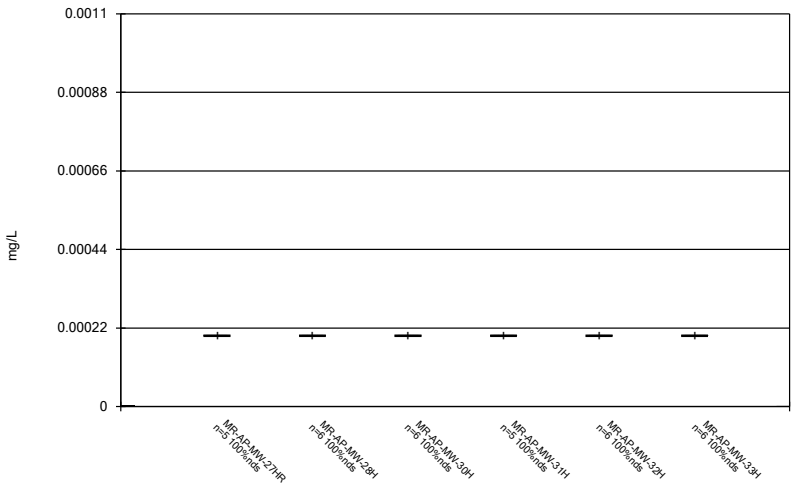
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot



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Plant Miller Client: Southern Company Data: Miller Ash Pond

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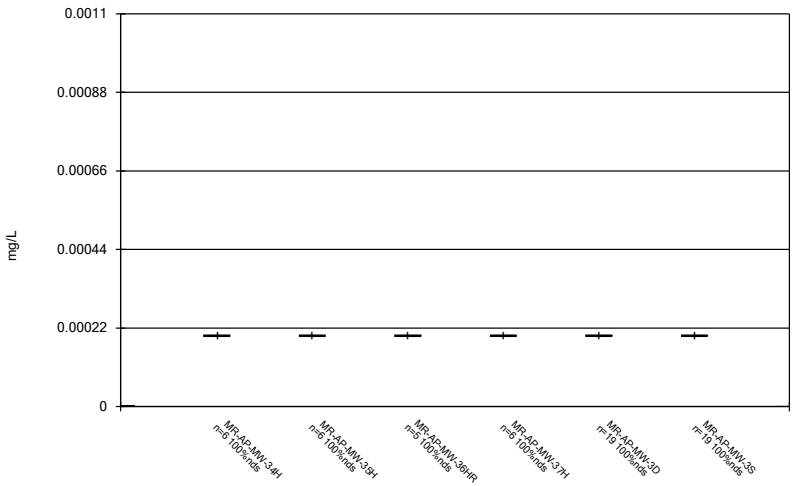
Box & Whiskers Plot



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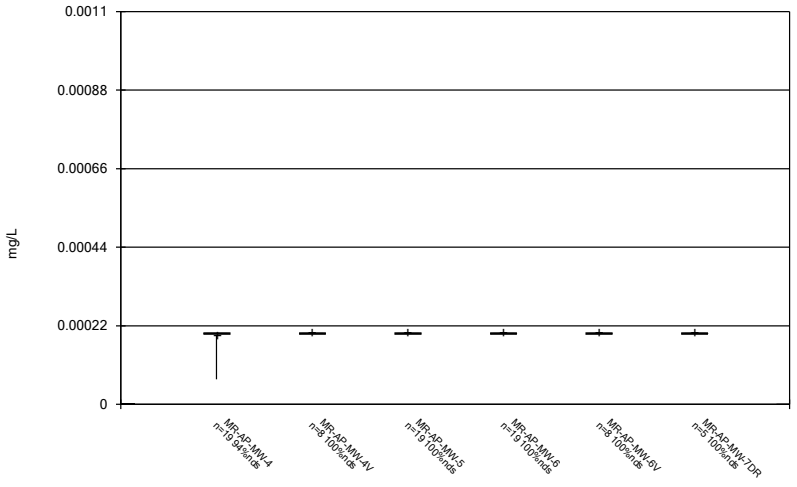
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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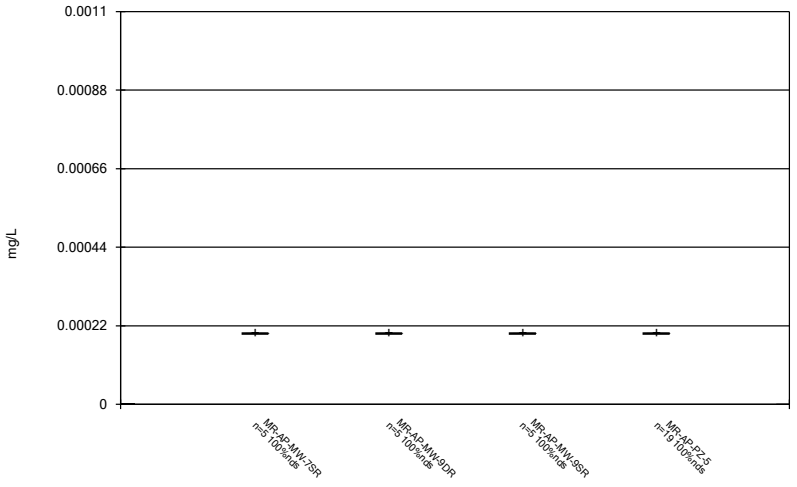
Box & Whiskers Plot



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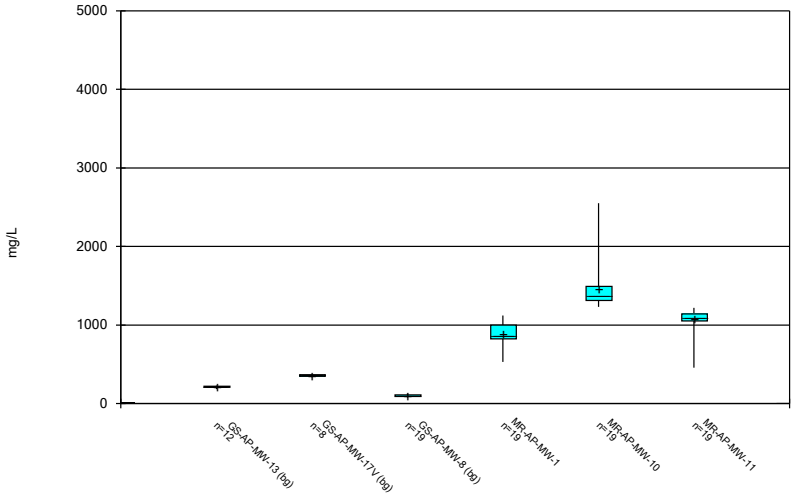
Plant Miller Client: Southern Company Data: Miller Ash Pond

Box & Whiskers Plot

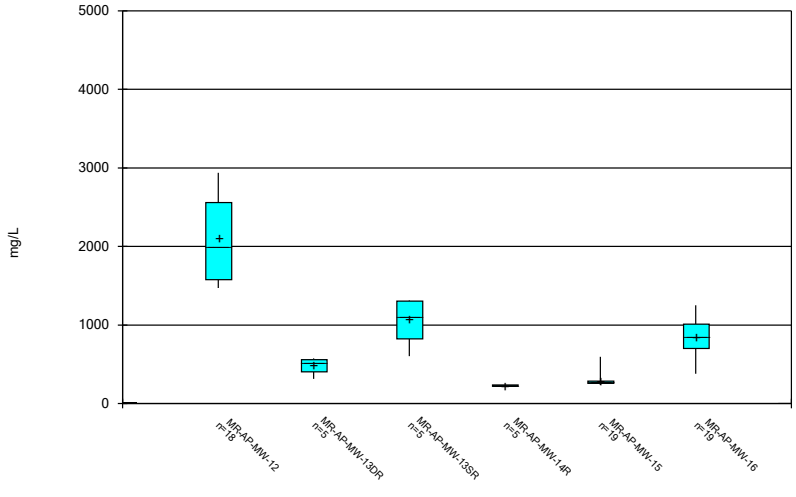


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:37 PM

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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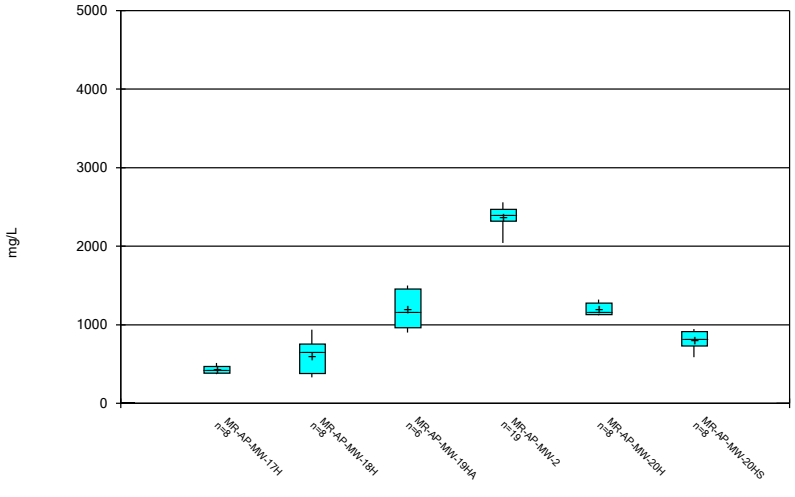
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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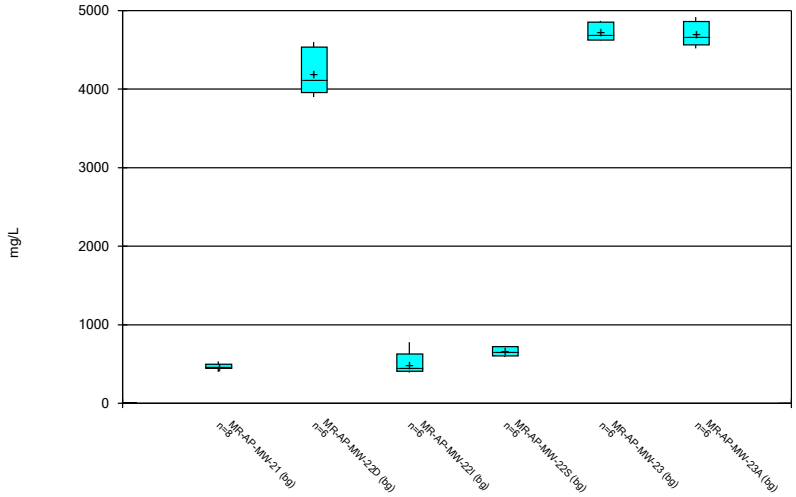
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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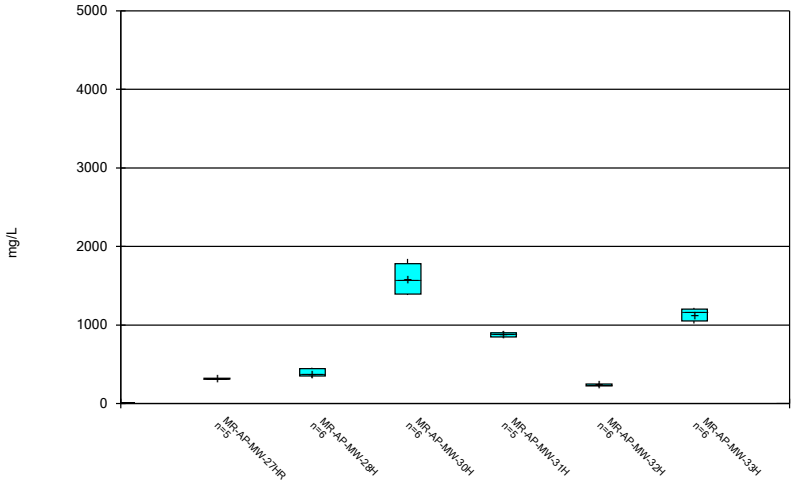
Plant Miller Client: Southern Company Data: Miller Ash Pond

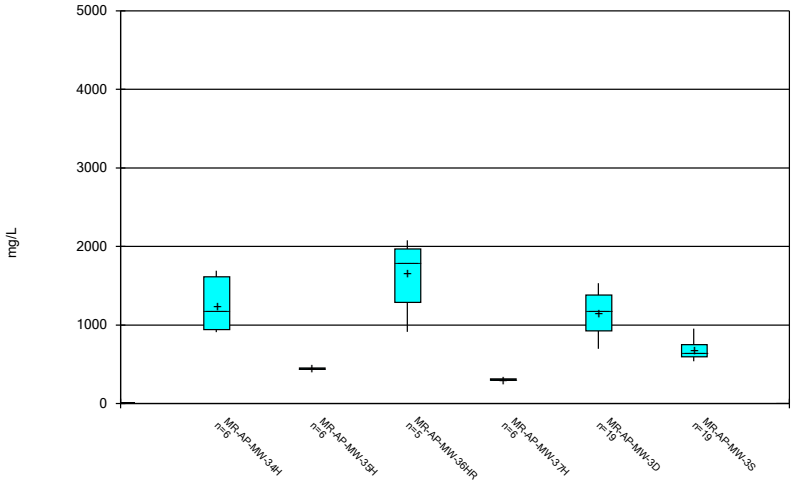
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:37 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

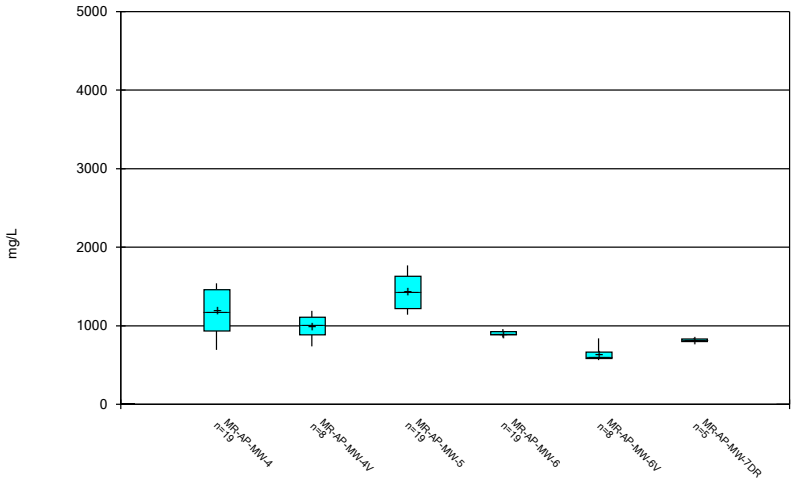
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:37 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

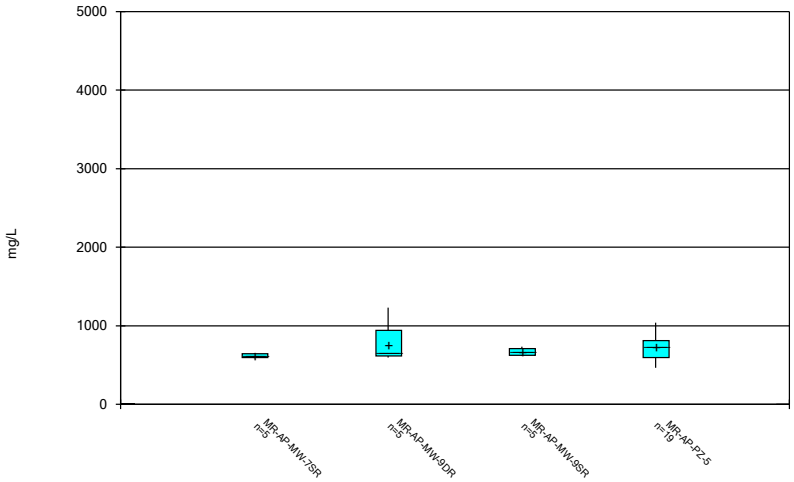
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:37 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:37 PM
Plant Miller Client: Southern Company Data: Miller Ash Pond

FIGURE C.

Outlier Summary

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:46 PM

No values were flagged.

FIGURE D.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**9/26/2022**	**7.16**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-12**	**6.685**	**6.441**	**9/26/2022**	**6.71**	**Yes**	**17**	**6.563**	**0.04982**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-15**	**6.587**	**6.323**	**9/20/2022**	**6.32**	**Yes**	**18**	**6.455**	**0.05437**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-16**	**6.436**	**5.758**	**9/20/2022**	**6.66**	**Yes**	**18**	**6.097**	**0.1401**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**

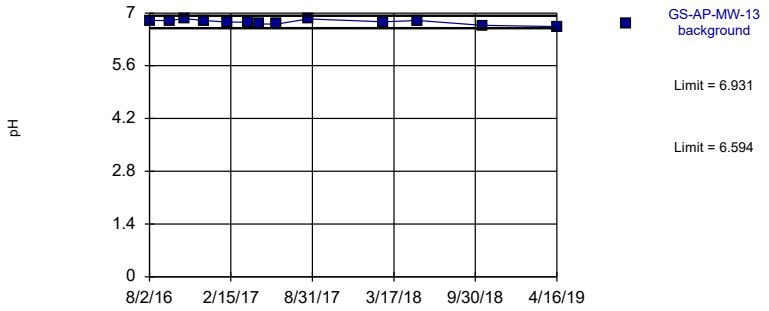
Appendix III Intrawell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (pH)	GS-AP-MW-13	6.931	6.594	n/a	1 future	n/a	13	6.762	0.06353	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	GS-AP-MW-8	6.099	5.378	8/2/2022	5.78	No	17	1110	111.7	0	None	x^4	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-1	9.647	7.368	9/19/2022	8.09	No	14	8.508	0.4386	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	**MR-AP-MW-10**	**7.103**	**6.575**	**9/26/2022**	**7.16**	**Yes**	**18**	**6.839**	**0.1089**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-11	7.3	6.5	9/20/2022	6.7	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (pH)	**MR-AP-MW-12**	**6.685**	**6.441**	**9/26/2022**	**6.71**	**Yes**	**17**	**6.563**	**0.04982**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-15**	**6.587**	**6.323**	**9/20/2022**	**6.32**	**Yes**	**18**	**6.455**	**0.05437**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	**MR-AP-MW-16**	**6.436**	**5.758**	**9/20/2022**	**6.66**	**Yes**	**18**	**6.097**	**0.1401**	**0**	**None**	**No**	**0.0002894**	**Param Intra 1 of 2**
pH, Field (pH)	MR-AP-MW-2	6.422	5.872	9/26/2022	6.37	No	18	6.147	0.1135	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-3D	6.954	6.624	9/19/2022	6.77	No	19	6.789	0.06919	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-3S	9.882	8.717	9/19/2022	8.73	No	19	9.299	0.2437	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-4	6.067	5.624	9/26/2022	6.05	No	19	5.846	0.0927	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-5	7.268	6.893	9/20/2022	7.03	No	18	7.08	0.07743	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-MW-6	6.213	5.875	9/21/2022	6.08	No	19	6.044	0.07073	0	None	No	0.0002894	Param Intra 1 of 2
pH, Field (pH)	MR-AP-PZ-5	8.63	7.584	9/20/2022	8.07	No	19	8.107	0.2188	0	None	No	0.0002894	Param Intra 1 of 2

Prediction Limit

Intrawell Parametric, GS-AP-MW-13 (bg)



Background Data Summary: Mean=6.762, Std. Dev.=0.06353, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.934, critical = 0.814. Kappa = 2.656 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787. Assumes 1 future value.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

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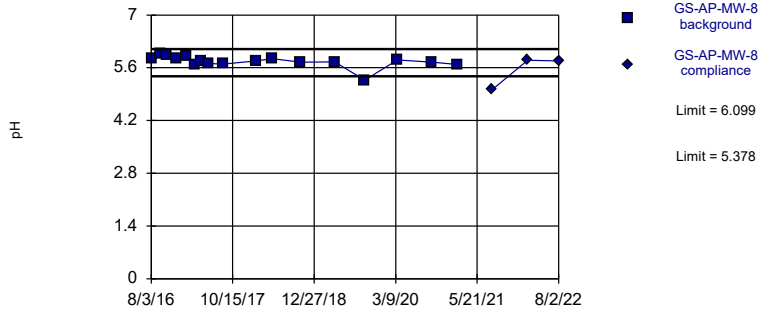
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=1110, Std. Dev.=111.7, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.865, critical = 0.851. Kappa = 2.451 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

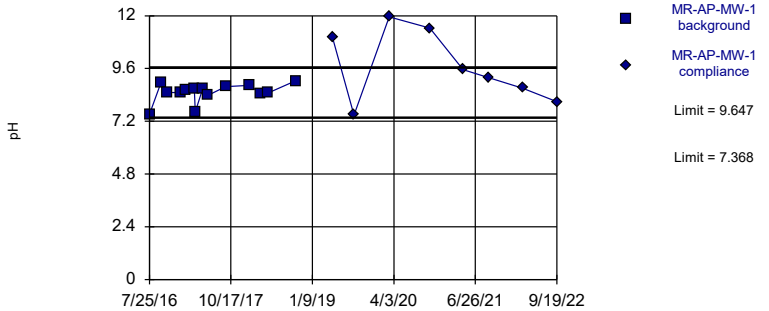
Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.508, Std. Dev.=0.4386, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8311, critical = 0.825. Kappa = 2.598 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

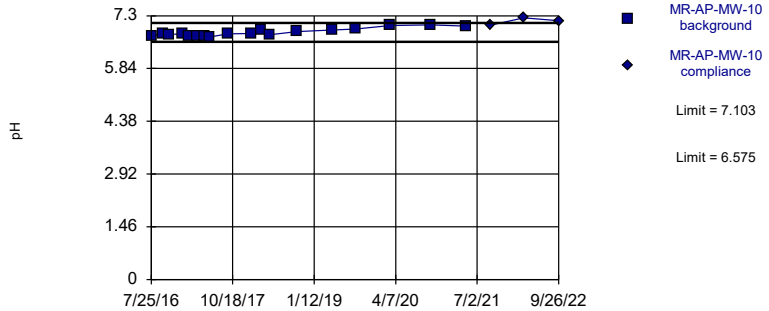
Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



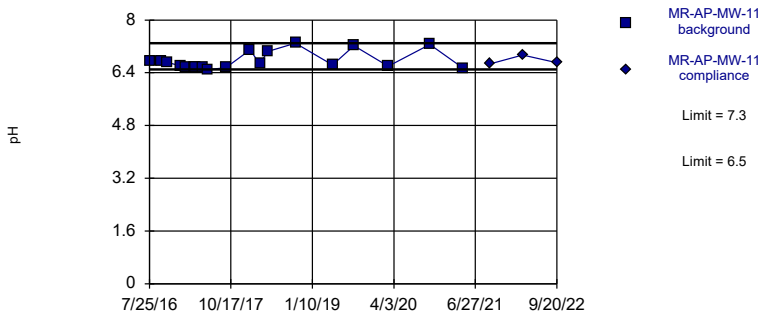
Background Data Summary: Mean=6.839, Std. Dev.=0.1089, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8977, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Within Limits

Prediction Limit

Intrawell 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 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

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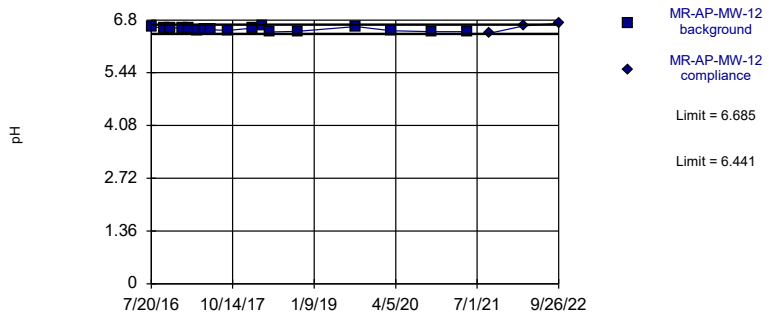
Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.563, Std. Dev.=0.04982, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.851. Kappa = 2.451 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

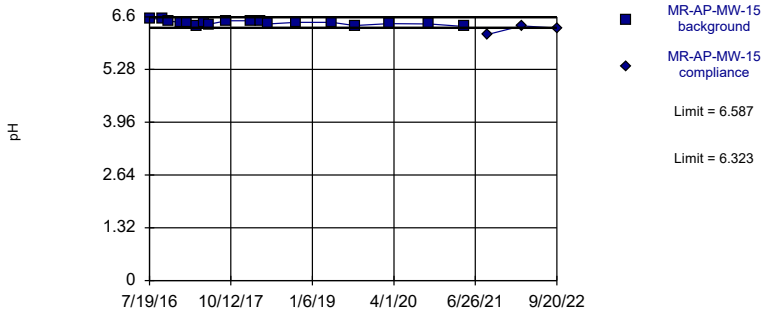
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.455, Std. Dev.=0.05437, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

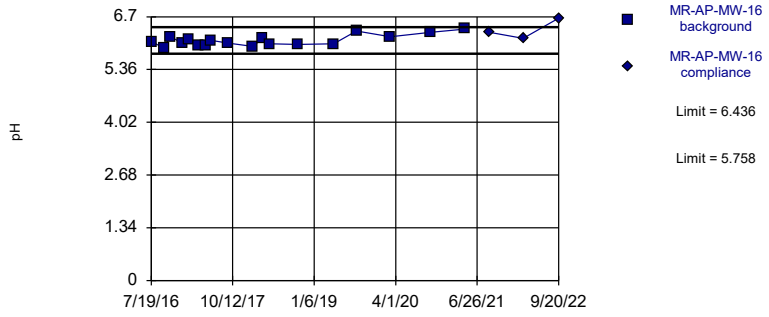
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.097, Std. Dev.=0.1401, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

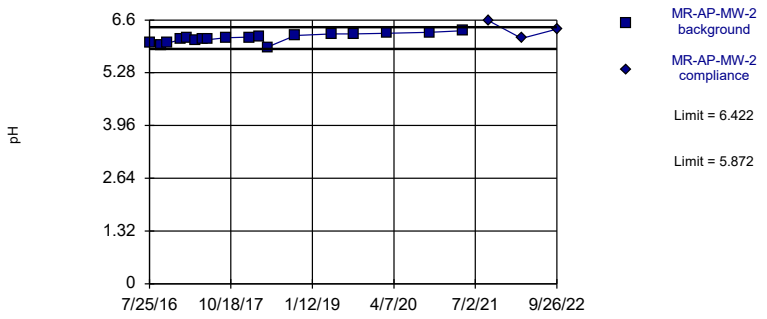
Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.147, Std. Dev.=0.1135, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9708, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

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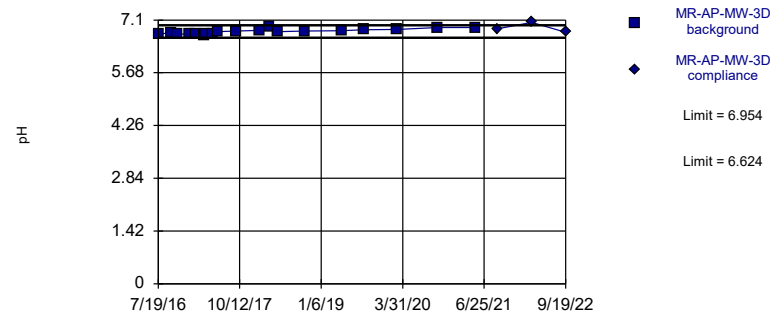
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.789, Std. Dev.=0.06919, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9396, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

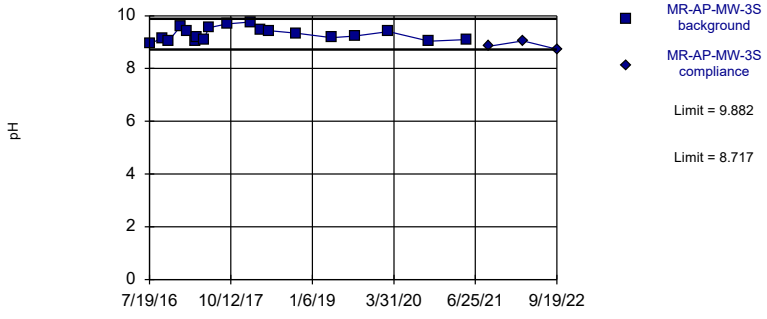
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=9.299, Std. Dev.=0.2437, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9381, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:51 PM View: Appendix III - Intrawell

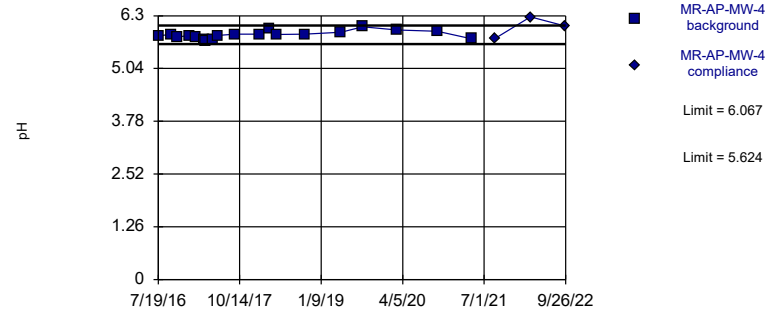
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.846, Std. Dev.=0.0927, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

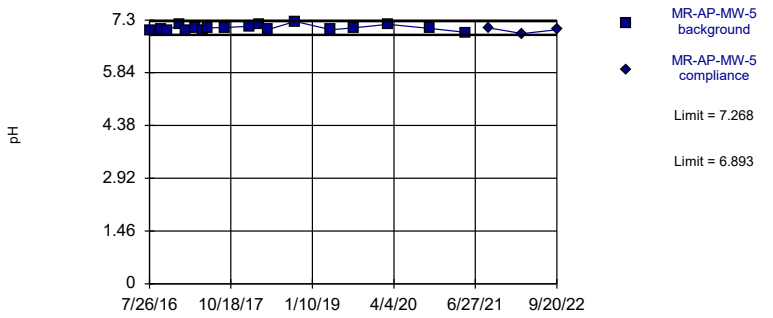
Constituent: pH, Field Analysis Run 11/15/2022 12:52 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.08, Std. Dev.=0.07743, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.858. Kappa = 2.421 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:52 PM View: Appendix III - Intrawell

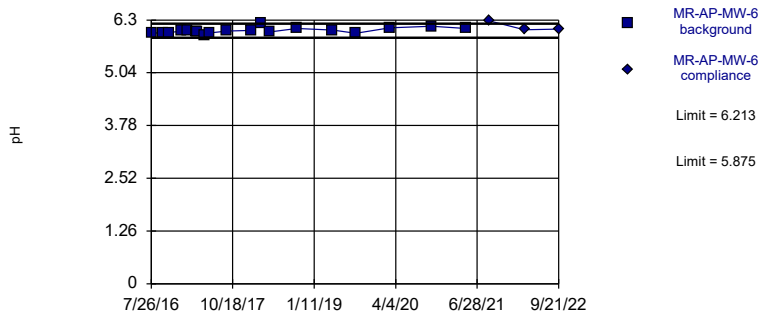
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.044, Std. Dev.=0.07073, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:52 PM View: Appendix III - Intrawell

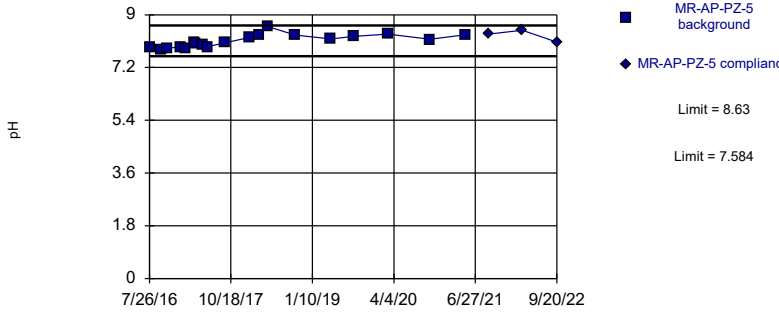
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.107, Std. Dev.=0.2188, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.863. Kappa = 2.391 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005787.

Constituent: pH, Field Analysis Run 11/15/2022 12:52 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-13
8/2/2016	6.8
9/20/2016	6.8
10/25/2016	6.85
12/13/2016	6.8
2/8/2017	6.76
3/29/2017	6.76
4/26/2017	6.71
6/7/2017	6.71
8/22/2017	6.84
2/20/2018	6.77
5/15/2018	6.8
10/17/2018	6.67 (D)
4/16/2019	6.64

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	GS-AP-MW-8	GS-AP-MW-8
8/3/2016	5.84	
9/21/2016	5.99	
10/25/2016	5.94	
12/13/2016	5.84	
2/6/2017	5.9	
3/28/2017	5.67	
4/24/2017	5.79	
6/7/2017	5.71	
8/21/2017	5.7	
2/19/2018	5.78	
5/15/2018	5.84	
10/16/2018	5.75 (D)	
4/16/2019	5.76	
9/24/2019	5.27	
3/18/2020	5.81	
9/21/2020	5.75	
2/2/2021	5.69	
8/10/2021		5.02
2/16/2022		5.8
8/2/2022		5.78

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-1
7/25/2016	7.52	
9/26/2016	8.96	
11/2/2016	8.51	
1/11/2017	8.5	
2/13/2017	8.63	
3/30/2017	8.67	
4/3/2017	7.63	
5/15/2017	8.67	
6/14/2017	8.39	
9/19/2017	8.78	
1/29/2018	8.84	
3/27/2018	8.48 (D)	
5/9/2018	8.49	
10/9/2018	9.04	
5/1/2019		11.01
8/27/2019		7.48
3/9/2020		11.95
10/19/2020		11.44
4/20/2021		9.55
9/8/2021		9.19
3/15/2022		8.71
9/19/2022		8.09

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-10	MR-AP-MW-10
7/25/2016	6.73	
9/27/2016	6.82	
10/31/2016	6.78	
1/11/2017	6.8	
2/14/2017	6.74	
4/6/2017	6.73	
5/17/2017	6.73	
6/13/2017	6.71	
9/21/2017	6.8	
1/31/2018	6.81	
3/28/2018	6.895 (D)	
5/10/2018	6.77	
10/8/2018	6.86	
4/24/2019	6.91	
8/29/2019	6.93	
3/9/2020	7.03	
10/19/2020	7.05	
5/3/2021	7.01	
9/15/2021		7.04
3/17/2022		7.24
9/26/2022		7.16

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-11	MR-AP-MW-11
7/25/2016	6.74	
9/27/2016	6.74	
11/1/2016	6.71	
1/12/2017	6.61	
2/13/2017	6.58	
3/30/2017	6.57	
4/4/2017	6.56	
5/16/2017	6.56	
6/14/2017	6.5	
9/19/2017	6.55	
1/30/2018	7.09	
3/27/2018	6.665 (D)	
5/8/2018	7.04	
10/9/2018	7.3	
5/1/2019	6.64	
8/28/2019	7.22	
3/3/2020	6.6	
10/20/2020	7.26	
4/21/2021	6.54	
9/14/2021		6.67
3/16/2022		6.94
9/20/2022		6.7

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-12
7/20/2016	6.63	
9/27/2016	6.59	
11/1/2016	6.6	
1/11/2017	6.59	
2/15/2017	6.59	
4/4/2017	6.54	
5/15/2017	6.56	
6/14/2017	6.55	
9/21/2017	6.53	
1/30/2018	6.59	
3/28/2018	6.645 (D)	
5/8/2018	6.49	
10/8/2018	6.51	
8/28/2019	6.63	
3/10/2020	6.52	
10/19/2020	6.5	
5/5/2021	6.5	
9/7/2021		6.46
3/17/2022		6.65
9/26/2022		6.71

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-15
7/19/2016	6.55	
9/26/2016	6.55	
10/31/2016	6.49	
1/9/2017	6.46	
2/14/2017	6.47	
4/4/2017	6.38	
5/16/2017	6.46	
6/12/2017	6.41	
9/19/2017	6.5	
1/31/2018	6.5	
3/28/2018	6.49 (D)	
5/7/2018	6.42	
10/9/2018	6.46	
4/24/2019	6.46	
8/28/2019	6.38	
3/4/2020	6.43	
10/13/2020	6.42	
4/26/2021	6.36	
9/1/2021		6.16
3/9/2022		6.37
9/20/2022		6.32

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-16	MR-AP-MW-16
7/19/2016	6.07	
9/26/2016	5.91	
10/31/2016	6.19	
1/9/2017	6.03	
2/14/2017	6.13	
4/3/2017	5.97	
5/16/2017	5.97	
6/12/2017	6.1	
9/19/2017	6.03	
1/30/2018	5.95	
3/28/2018	6.14 (D)	
5/7/2018	6.01	
10/9/2018	6	
4/24/2019	6.01	
8/28/2019	6.34	
3/3/2020	6.19	
10/13/2020	6.31	
4/21/2021	6.39	
9/1/2021		6.31
3/8/2022		6.15
9/20/2022		6.66

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-2	MR-AP-MW-2
7/25/2016	6.03	
9/28/2016	5.96	
11/1/2016	6.02	
1/11/2017	6.11	
2/14/2017	6.16	
4/4/2017	6.1	
5/16/2017	6.12	
6/14/2017	6.11	
9/20/2017	6.16	
1/30/2018	6.17	
3/27/2018	6.19 (D)	
5/9/2018	5.92	
10/9/2018	6.21	
5/1/2019	6.25	
8/27/2019	6.25	
3/3/2020	6.27	
10/21/2020	6.29	
4/26/2021	6.33	
9/14/2021		6.58
3/16/2022		6.14
9/26/2022		6.37

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3D	MR-AP-MW-3D
7/19/2016	6.72	
9/26/2016	6.76	
10/31/2016	6.72	
1/9/2017	6.73	
2/13/2017	6.73	
3/29/2017	6.68	
4/3/2017	6.73	
5/16/2017	6.71	
6/12/2017	6.79	
9/20/2017	6.8	
1/29/2018	6.82	
3/27/2018	6.91 (D)	
5/10/2018	6.79	
10/9/2018	6.8	
4/29/2019	6.81	
8/27/2019	6.84	
3/3/2020	6.85	
10/13/2020	6.9	
5/5/2021	6.9	
9/7/2021		6.86
3/16/2022		7.04
9/19/2022		6.77

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3S
7/19/2016	8.95	
9/26/2016	9.13	
10/31/2016	9.04	
1/9/2017	9.62	
2/13/2017	9.43	
3/29/2017	9.04	
4/3/2017	9.18	
5/16/2017	9.11	
6/12/2017	9.54	
9/20/2017	9.69	
1/29/2018	9.76	
3/27/2018	9.475 (D)	
5/10/2018	9.44	
10/9/2018	9.34	
4/22/2019	9.17	
8/27/2019	9.23	
3/3/2020	9.4	
10/13/2020	9.04	
5/5/2021	9.1	
9/7/2021		8.84
3/16/2022		9.05
9/19/2022		8.73

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-4
7/19/2016	5.82	
9/27/2016	5.85	
11/1/2016	5.79	
1/9/2017	5.83	
2/13/2017	5.78	
3/30/2017	5.73	
4/4/2017	5.7	
5/16/2017	5.72	
6/12/2017	5.83	
9/20/2017	5.86	
1/29/2018	5.86	
3/27/2018	6 (D)	
5/9/2018	5.85	
10/8/2018	5.86	
4/29/2019	5.91	
8/27/2019	6.04	
3/4/2020	5.96	
10/14/2020	5.93	
4/26/2021	5.75	
9/1/2021		5.76
3/15/2022		6.27
9/26/2022		6.05

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-5	MR-AP-MW-5
7/26/2016	7.01	
9/28/2016	7.06	
11/2/2016	7.02	
1/10/2017	7.17	
2/14/2017	7.01	
4/3/2017	7.09	
5/17/2017	7	
6/12/2017	7.08	
9/18/2017	7.09	
1/31/2018	7.13	
3/27/2018	7.175 (D)	
5/9/2018	7.03	
10/8/2018	7.26	
4/23/2019	7.03	
8/28/2019	7.08	
3/2/2020	7.18	
10/21/2020	7.07	
5/3/2021	6.96	
9/8/2021		7.08
3/14/2022		6.92
9/20/2022		7.03

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-6	MR-AP-MW-6
7/26/2016	5.98	
9/28/2016	6	
11/1/2016	6	
1/9/2017	6.04	
2/13/2017	6.04	
3/29/2017	6.01	
4/3/2017	6.02	
5/16/2017	5.92	
6/12/2017	5.99	
9/18/2017	6.04	
1/31/2018	6.05	
3/27/2018	6.23 (D)	
5/9/2018	6.01	
10/8/2018	6.1	
4/23/2019	6.06	
8/28/2019	5.98	
3/3/2020	6.11	
10/20/2020	6.15	
4/28/2021	6.1	
9/1/2021		6.28
3/16/2022		6.07
9/21/2022		6.08

Prediction Limit

Constituent: pH, Field (pH) Analysis Run 11/15/2022 12:54 PM View: Appendix III - Intrawell
Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-PZ-5	MR-AP-PZ-5
7/26/2016	7.88	
9/28/2016	7.8	
11/2/2016	7.86	
1/12/2017	7.9	
2/13/2017	7.86	
3/30/2017	8.06	
4/3/2017	8	
5/17/2017	7.99	
6/12/2017	7.91	
9/18/2017	8.04	
1/31/2018	8.23	
3/27/2018	8.33 (D)	
5/9/2018	8.6	
10/8/2018	8.31	
4/23/2019	8.18	
8/29/2019	8.26	
3/2/2020	8.34	
10/21/2020	8.16	
5/3/2021	8.32	
9/8/2021		8.34
3/14/2022		8.47
9/20/2022		8.07

FIGURE E.

Appendix III Interwell Prediction Limits - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.101	n/a	9/26/2022	7.39	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-12	0.101	n/a	9/26/2022	4.96	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-15	0.101	n/a	9/20/2022	1.78	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-16	0.101	n/a	9/20/2022	2.77	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-2	0.101	n/a	9/26/2022	0.153	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3D	0.101	n/a	9/19/2022	0.389	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-3S	0.101	n/a	9/19/2022	0.272	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-4	0.101	n/a	9/26/2022	0.36	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-5	0.101	n/a	9/20/2022	0.915	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-MW-6	0.101	n/a	9/21/2022	0.851	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	MR-AP-PZ-5	0.101	n/a	9/20/2022	0.251	Yes	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-1	63.8	n/a	9/19/2022	182	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-10	63.8	n/a	9/26/2022	184	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-11	63.8	n/a	9/20/2022	209	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-12	63.8	n/a	9/26/2022	80.7	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-15	63.8	n/a	9/20/2022	84.6	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-16	63.8	n/a	9/20/2022	142	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-2	63.8	n/a	9/26/2022	208	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-3D	63.8	n/a	9/19/2022	145	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-4	63.8	n/a	9/26/2022	180	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-5	63.8	n/a	9/20/2022	251	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	MR-AP-MW-6	63.8	n/a	9/21/2022	189	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-15	14.6	n/a	9/20/2022	17.7	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3S	14.6	n/a	9/19/2022	70.9	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-4	14.6	n/a	9/26/2022	17.3	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-5	14.6	n/a	9/20/2022	23.1	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-6	14.6	n/a	9/21/2022	31.9	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-PZ-5	14.6	n/a	9/20/2022	22.2	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-10	0.2987	n/a	9/26/2022	1.12	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-12	0.2987	n/a	9/26/2022	0.989	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3D	0.2987	n/a	9/19/2022	0.341	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-3S	0.2987	n/a	9/19/2022	0.304	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-5	0.2987	n/a	9/20/2022	0.384	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2987	n/a	9/20/2022	2.39	Yes	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-1	139	n/a	9/19/2022	548	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-10	139	n/a	9/26/2022	1560	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-11	139	n/a	9/20/2022	678	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-12	139	n/a	9/26/2022	845	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-15	139	n/a	9/20/2022	352	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-16	139	n/a	9/20/2022	503	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-2	139	n/a	9/26/2022	1570	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	139	n/a	9/19/2022	352	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	139	n/a	9/19/2022	159	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-4	139	n/a	9/26/2022	393	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-5	139	n/a	9/20/2022	866	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	MR-AP-MW-6	139	n/a	9/21/2022	535	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	534	n/a	9/19/2022	1060	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	534	n/a	9/26/2022	2550	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	534	n/a	9/20/2022	1140	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	534	n/a	9/26/2022	1560	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-15	534	n/a	9/20/2022	594	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	534	n/a	9/20/2022	826	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	534	n/a	9/26/2022	2350	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	534	n/a	9/19/2022	756	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	534	n/a	9/19/2022	644	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	534	n/a	9/26/2022	694	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	534	n/a	9/20/2022	1140	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	534	n/a	9/21/2022	914	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	534	n/a	9/20/2022	746	Yes	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-1	0.101	n/a	9/19/2022	0.0597J	No	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-10**	**0.101**	**n/a**	**9/26/2022**	**7.39**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	MR-AP-MW-11	0.101	n/a	9/20/2022	0.0457J	No	47	n/a	n/a	36.17	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Boron, total (mg/L)	**MR-AP-MW-12**	**0.101**	**n/a**	**9/26/2022**	**4.96**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.101**	**n/a**	**9/20/2022**	**1.78**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-16**	**0.101**	**n/a**	**9/20/2022**	**2.77**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-2**	**0.101**	**n/a**	**9/26/2022**	**0.153**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3D**	**0.101**	**n/a**	**9/19/2022**	**0.389**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.101**	**n/a**	**9/19/2022**	**0.272**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-4**	**0.101**	**n/a**	**9/26/2022**	**0.36**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-5**	**0.101**	**n/a**	**9/20/2022**	**0.915**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-MW-6**	**0.101**	**n/a**	**9/21/2022**	**0.851**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Boron, total (mg/L)	**MR-AP-PZ-5**	**0.101**	**n/a**	**9/20/2022**	**0.251**	**Yes**	**47**	**n/a**	**n/a**	**36.17**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-1**	**63.8**	**n/a**	**9/19/2022**	**182**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-10**	**63.8**	**n/a**	**9/26/2022**	**184**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-11**	**63.8**	**n/a**	**9/20/2022**	**209**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-12**	**63.8**	**n/a**	**9/26/2022**	**80.7**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-15**	**63.8**	**n/a**	**9/20/2022**	**84.6**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-16**	**63.8**	**n/a**	**9/20/2022**	**142**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-2**	**63.8**	**n/a**	**9/26/2022**	**208**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-3D**	**63.8**	**n/a**	**9/19/2022**	**145**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-MW-3S	63.8	n/a	9/19/2022	4.9	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**MR-AP-MW-4**	**63.8**	**n/a**	**9/26/2022**	**180**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-5**	**63.8**	**n/a**	**9/20/2022**	**251**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**MR-AP-MW-6**	**63.8**	**n/a**	**9/21/2022**	**189**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	MR-AP-PZ-5	63.8	n/a	9/20/2022	6.51	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-1	14.6	n/a	9/19/2022	9.01	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-10	14.6	n/a	9/26/2022	8.6	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-11	14.6	n/a	9/20/2022	7.52	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-12	14.6	n/a	9/26/2022	7.51	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-15**	**14.6**	**n/a**	**9/20/2022**	**17.7**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	MR-AP-MW-16	14.6	n/a	9/20/2022	11.4	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-2	14.6	n/a	9/26/2022	5.2	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	MR-AP-MW-3D	14.6	n/a	9/19/2022	13.3	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**14.6**	**n/a**	**9/19/2022**	**70.9**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**14.6**	**n/a**	**9/26/2022**	**17.3**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-5**	**14.6**	**n/a**	**9/20/2022**	**23.1**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-MW-6**	**14.6**	**n/a**	**9/21/2022**	**31.9**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**MR-AP-PZ-5**	**14.6**	**n/a**	**9/20/2022**	**22.2**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-1	0.2987	n/a	9/19/2022	0.164	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.2987**	**n/a**	**9/26/2022**	**1.12**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-11	0.2987	n/a	9/20/2022	0.0923J	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.2987**	**n/a**	**9/26/2022**	**0.989**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-15	0.2987	n/a	9/20/2022	0.0625ND	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-16	0.2987	n/a	9/20/2022	0.145	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	MR-AP-MW-2	0.2987	n/a	9/26/2022	0.211	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.2987**	**n/a**	**9/19/2022**	**0.341**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.2987**	**n/a**	**9/19/2022**	**0.304**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-4	0.2987	n/a	9/26/2022	0.22	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.2987**	**n/a**	**9/20/2022**	**0.384**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	MR-AP-MW-6	0.2987	n/a	9/21/2022	0.0625ND	No	49	0.1517	0.06981	0	None	No	0.0005787	Param Inter 1 of 2
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2987**	**n/a**	**9/20/2022**	**2.39**	**Yes**	**49**	**0.1517**	**0.06981**	**0**	**None**	**No**	**0.0005787**	**Param Inter 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-1**	**139**	**n/a**	**9/19/2022**	**548**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-10**	**139**	**n/a**	**9/26/2022**	**1560**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-11**	**139**	**n/a**	**9/20/2022**	**678**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**139**	**n/a**	**9/26/2022**	**845**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-15**	**139**	**n/a**	**9/20/2022**	**352**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**139**	**n/a**	**9/20/2022**	**503**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-2**	**139**	**n/a**	**9/26/2022**	**1570**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**139**	**n/a**	**9/19/2022**	**352**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-3S**	**139**	**n/a**	**9/19/2022**	**159**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**139**	**n/a**	**9/26/2022**	**393**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**139**	**n/a**	**9/20/2022**	**866**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	**MR-AP-MW-6**	**139**	**n/a**	**9/21/2022**	**535**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Sulfate as SO4 (mg/L)	MR-AP-PZ-5	139	n/a	9/20/2022	34.6	No	47	n/a	n/a	0	n/a	n/a	0.0008342	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 12:58 PM

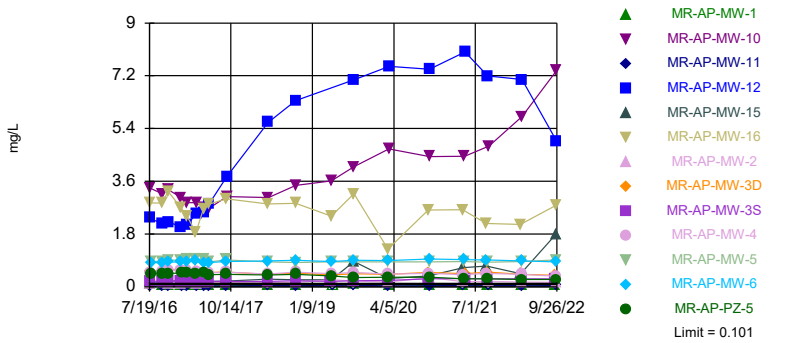
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-1**	**534**	**n/a**	**9/19/2022**	**1060**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-10**	**534**	**n/a**	**9/26/2022**	**2550**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-11**	**534**	**n/a**	**9/20/2022**	**1140**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**534**	**n/a**	**9/26/2022**	**1560**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-15**	**534**	**n/a**	**9/20/2022**	**594**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**534**	**n/a**	**9/20/2022**	**826**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-2**	**534**	**n/a**	**9/26/2022**	**2350**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**534**	**n/a**	**9/19/2022**	**756**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3S**	**534**	**n/a**	**9/19/2022**	**644**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**534**	**n/a**	**9/26/2022**	**694**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**534**	**n/a**	**9/20/2022**	**1140**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-6**	**534**	**n/a**	**9/21/2022**	**914**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-PZ-5**	**534**	**n/a**	**9/20/2022**	**746**	**Yes**	**47**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0008342**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2, MR-AP-MW-3D, MR-AP-MW-3S,..

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 47 background values. 36.17% NDs. Annual per-constituent alpha = 0.02146. Individual comparison alpha = 0.0008342 (1 of 2). Comparing 13 points to limit.

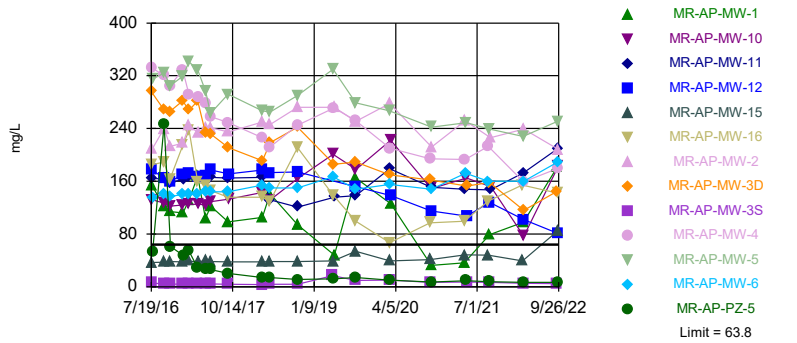
Constituent: Boron, total Analysis Run 11/15/2022 12:56 PM View: Appendix III - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2,..

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 47 background values. Annual per-constituent alpha = 0.02146. Individual comparison alpha = 0.0008342 (1 of 2). Comparing 13 points to limit.

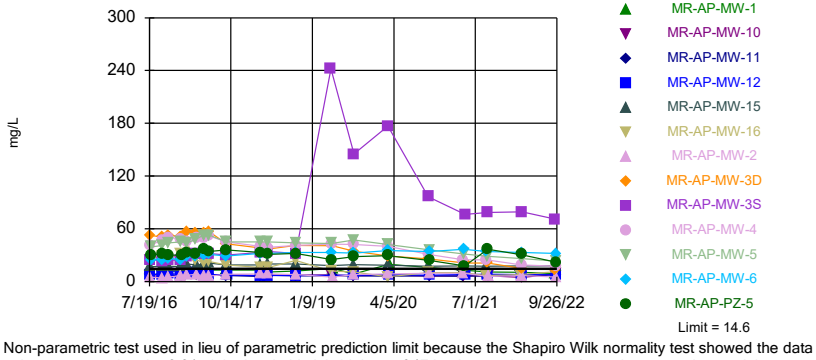
Constituent: Calcium, total Analysis Run 11/15/2022 12:56 PM View: Appendix III - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limit: MR-AP-MW-15, MR-AP-MW-3S, MR-AP-MW-4, MR-AP-MW-5, MR-AP-MW-6, MR-AP-PZ-5

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 47 background values. Annual per-constituent alpha = 0.02146. Individual comparison alpha = 0.0008342 (1 of 2). Comparing 13 points to limit.

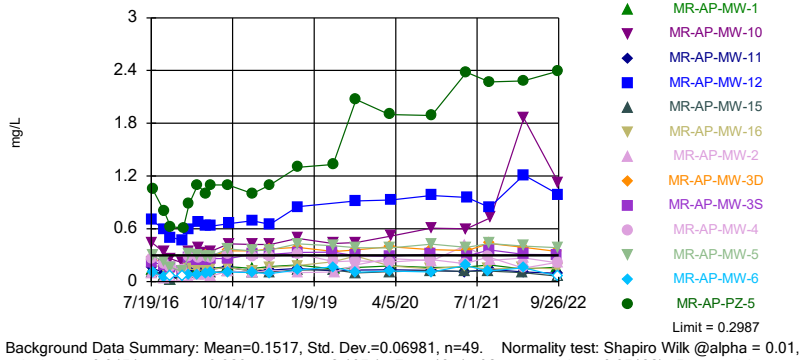
Constituent: Chloride, Total Analysis Run 11/15/2022 12:56 PM View: Appendix III - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MR-AP-MW-10, MR-AP-MW-12, MR-AP-MW-3D, MR-AP-MW-3S, MR-AP-MW-5, MR-AP-PZ-5

Prediction Limit

Interwell Parametric



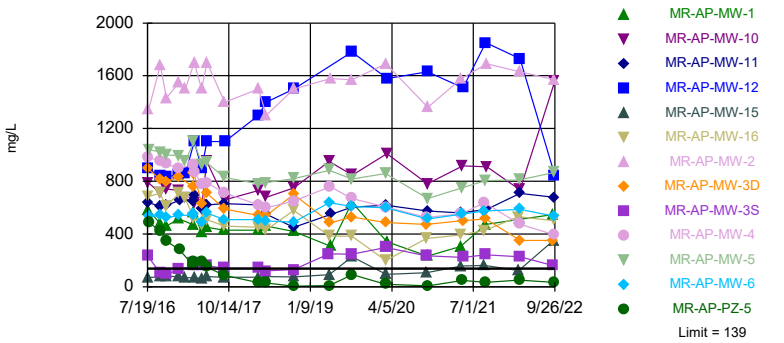
Background Data Summary: Mean=0.1517, Std. Dev.=0.06981, n=49. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.929. Kappa = 2.105 (c=7, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0005787. Comparing 13 points to limit.

Constituent: Fluoride, total Analysis Run 11/15/2022 12:56 PM View: Appendix III - Interwell
Plant Miller Client: Southern Company Data: Miller Ash Pond

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2,..

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 47 background values. Annual per-constituent alpha = 0.02146. Individual comparison alpha = 0.0008342 (1 of 2). Comparing 13 points to limit.

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 12:56 PM View: Appendix III - Interwell

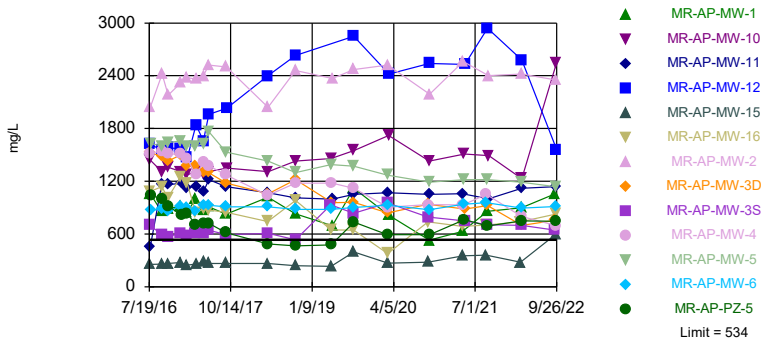
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limit: MR-AP-MW-1, MR-AP-MW-10, MR-AP-MW-11, MR-AP-MW-12, MR-AP-MW-15, MR-AP-MW-16, MR-AP-MW-2,..

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 47 background values. Annual per-constituent alpha = 0.02146. Individual comparison alpha = 0.0008342 (1 of 2). Comparing 13 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 12:56 PM View: Appendix III - Interwel

Plant Miller Client: Southern Company Data: Miller Ash Pond

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-12	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/19/2016	0.195	0.527	0.496	0.15	2.86				
7/20/2016						2.36			
7/25/2016							0.0978 (J)	3.36	0.0282 (J)
7/26/2016									
8/2/2016									
8/3/2016									
9/20/2016									
9/21/2016									
9/26/2016	0.179	0.54		0.175	2.86		0.0625 (J)		
9/27/2016			0.514			2.14		3.18	0.0253 (J)
9/28/2016									
10/25/2016									
10/31/2016	0.19	0.586		0.204	3.25			3.32	
11/1/2016			0.571			2.21			0.0266 (J)
11/2/2016							0.067 (J)		
12/13/2016									
1/9/2017	0.196	0.584	0.572	0.192	2.71				
1/10/2017									
1/11/2017						2.04	0.0588 (J)	3.05	
1/12/2017									0.0268 (J)
2/6/2017									
2/8/2017									
2/13/2017	0.187	0.567	0.565				0.0561 (J)		0.0263 (J)
2/14/2017				0.161	2.39			2.87	
2/15/2017						2.12			
3/28/2017									
3/29/2017									
4/3/2017	0.192	0.527			1.86		0.0631 (J)		
4/4/2017			0.536	0.147		2.51			0.0252 (J)
4/6/2017								2.87	
4/24/2017									
4/26/2017									
5/15/2017						2.54	0.0636 (J)		
5/16/2017	0.178	0.477	0.482	0.168	2.67				0.0319 (J)
5/17/2017								2.71	
6/7/2017									
6/12/2017	0.181	0.491	0.478	0.18	2.81				
6/13/2017								2.67	
6/14/2017						2.83	0.0603 (J)		0.026 (J)
8/21/2017									
8/22/2017									
9/18/2017									
9/19/2017				0.192	3		0.0559 (J)		0.0253 (J)
9/20/2017	0.188	0.505	0.506						
9/21/2017						3.76		3.08	
5/7/2018				0.258	2.83				
5/8/2018						5.61			<0.1015
5/9/2018			0.433				0.0437 (J)		
5/10/2018	0.183	0.425						3.04	
5/15/2018									
10/8/2018			0.503			6.35		3.46	
10/9/2018	0.202	0.471		0.237	2.85		0.0559 (J)		0.0262 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-12	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
10/16/2018									
10/17/2018									
2/20/2019									
3/6/2019									
4/16/2019									
4/22/2019	0.183 (J)								
4/23/2019									
4/24/2019				0.243	2.41			3.61	
4/29/2019		0.407	0.444						
5/1/2019							<0.1015		<0.1015
8/27/2019	0.209	0.443	0.495				0.0869 (J)		
8/28/2019				0.863	3.18	7.06			<0.1015
8/29/2019								4.1	
9/24/2019									
3/2/2020									
3/3/2020	0.217	0.422			1.29				0.0308 (J)
3/4/2020			0.431	0.285					
3/9/2020							0.0747 (J)	4.7	
3/10/2020						7.52			
3/18/2020									
3/25/2020									
9/21/2020									
9/23/2020									
10/13/2020	0.271	0.492		0.375	2.62				
10/14/2020			0.46						
10/19/2020						7.42	0.0512 (J)	4.44	
10/20/2020									0.0357 (J)
10/21/2020									
2/2/2021									
4/20/2021							0.0653 (J)		
4/21/2021					2.63				<0.1015
4/26/2021			0.412	0.651					
4/28/2021									
5/3/2021								4.45	
5/5/2021	0.281	0.451				8.01			
8/2/2021									
8/10/2021									
9/1/2021			0.46	0.705	2.16				
9/7/2021	0.276	0.499				7.19			
9/8/2021							0.0505 (J)		
9/14/2021									<0.1015
9/15/2021								4.8	
2/14/2022									
2/16/2022									
3/8/2022					2.13				
3/9/2022				0.445					
3/14/2022									
3/15/2022			0.423				0.0528 (J)		
3/16/2022	0.276	0.428							0.0357 (J)
3/17/2022						7.07		5.81	
8/2/2022									
8/9/2022									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-12	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/19/2022	0.272	0.389					0.0597 (J)		
9/20/2022				1.78	2.77				0.0457 (J)
9/21/2022									
9/26/2022			0.36			4.96		7.39	

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
7/19/2016								
7/20/2016								
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					<0.1015	<0.1015		
6/12/2017		0.418	0.832	0.854				
6/13/2017								
6/14/2017	0.159							
8/21/2017						<0.1015		
8/22/2017					<0.1015			
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					<0.1015	<0.1015		
10/8/2018		0.42	0.905	0.833				
10/9/2018	0.15							

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
10/16/2018						<0.1015		
10/17/2018					<0.1015			
2/20/2019							0.0337 (J)	
3/6/2019								0.0619 (J)
4/16/2019					<0.1015	<0.1015		
4/22/2019								
4/23/2019		0.372	0.862	0.849				
4/24/2019								
4/29/2019								
5/1/2019	0.24							
8/27/2019	0.192							
8/28/2019			0.906	0.852				0.0879 (J)
8/29/2019		0.319						
9/24/2019						<0.1015	0.0532 (J)	
3/2/2020		0.328		0.851				
3/3/2020	0.167		0.895					
3/4/2020								
3/9/2020								0.101
3/10/2020								
3/18/2020						<0.1015		
3/25/2020							0.0482 (J)	
9/21/2020						<0.1015		
9/23/2020							0.0478 (J)	
10/13/2020								0.0973 (J)
10/14/2020								
10/19/2020								
10/20/2020			0.947					
10/21/2020	0.316	0.328		0.847				
2/2/2021						<0.1015	0.0396 (J)	
4/20/2021								
4/21/2021								
4/26/2021	0.173							
4/28/2021			0.923					0.0976 (J)
5/3/2021		0.271		0.864				
5/5/2021								
8/2/2021							0.0368 (J)	
8/10/2021						<0.1015		
9/1/2021			0.918					
9/7/2021								
9/8/2021		0.271		0.843				
9/14/2021	0.188							0.0892 (J)
9/15/2021								
2/14/2022							0.0386 (J)	
2/16/2022						<0.1015		
3/8/2022								
3/9/2022								
3/14/2022		0.245		0.864				
3/15/2022								
3/16/2022	0.165		0.887					
3/17/2022								0.089 (J)
8/2/2022						<0.1015		
8/9/2022							0.0418 (J)	

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
9/19/2022								
9/20/2022		0.251		0.915				
9/21/2022			0.851					
9/26/2022	0.153							0.0869 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
7/19/2016	37	185	333	296	5.63				
7/20/2016						178			
7/25/2016							164	132	209
7/26/2016									
8/2/2016									
8/3/2016									
9/20/2016									
9/21/2016									
9/26/2016	37.5	189		269	4.28				
9/27/2016			320			165	164	127	
9/28/2016									240
10/25/2016									
10/31/2016	38.4	163		266	4.04			122	
11/1/2016			305			160	158		213
11/2/2016									
12/13/2016									
1/9/2017	37.8	214	329	282	4.15				
1/10/2017									
1/11/2017						170		124	218
1/12/2017							163		
2/6/2017									
2/8/2017									
2/13/2017			291	268	4.38		166		
2/14/2017	39.2	237						125	244
2/15/2017						173			
3/28/2017									
3/29/2017									
4/3/2017		159		282	4.45				
4/4/2017	37.5		287			167	166		234
4/6/2017								125	
4/24/2017									
4/26/2017									
5/15/2017						169			
5/16/2017	40.4	154	279	234	4.23		160		241
5/17/2017								124	
6/7/2017									
6/12/2017	38.4	146	258	232	4.14				
6/13/2017								129	
6/14/2017						177	166		241
8/21/2017									
8/22/2017									
9/18/2017									
9/19/2017	37.8	136					165		
9/20/2017			249	211	3.88				235
9/21/2017						171		133	
3/27/2018			226	191	3.4		166		250
3/28/2018	37.7	136				177		143	
5/7/2018	38.4	129							
5/8/2018						173	132		
5/9/2018			212						246
5/10/2018				219	3.79			132	
5/15/2018									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
10/8/2018			245			174		164	
10/9/2018	38.2	211		242	3.78		121		272
10/16/2018									
10/17/2018									
2/20/2019									
3/6/2019									
4/16/2019									
4/22/2019					16.8				
4/23/2019									
4/24/2019	39	139						201	
4/29/2019			271	186					
5/1/2019							136		272
8/27/2019			252	189	9.68				251
8/28/2019	53.8	99.5				152	138		
8/29/2019								178	
9/24/2019									
3/2/2020									
3/3/2020		66.8		170	9.94		179		278
3/4/2020	39.3		210						
3/9/2020								222	
3/10/2020						138			
3/18/2020									
3/25/2020									
9/21/2020									
9/23/2020									
10/13/2020	41.4	96.9		162	6.81				
10/14/2020			194						
10/19/2020						115		149	
10/20/2020							151		
10/21/2020									212
2/2/2021									
4/20/2021									
4/21/2021		99.3					148		
4/26/2021	48.3 (RA)		193						252
4/28/2021									
5/3/2021								165	
5/5/2021				153	7.04	107 (RA)			
8/2/2021									
8/10/2021									
9/1/2021	47.8	130	213						
9/7/2021				158	6.69	128			
9/8/2021									
9/14/2021							147		226
9/15/2021								152	
2/14/2022									
2/16/2022									
3/8/2022		154							
3/9/2022	39.1								
3/14/2022									
3/15/2022			159						
3/16/2022				116	5.38		173		239
3/17/2022						102		76.4	

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
8/2/2022									
8/9/2022									
9/19/2022				145	4.9				
9/20/2022	84.599998	142					209		
9/21/2022									
9/26/2022			180			80.699997		184	208

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
7/19/2016								
7/20/2016								
7/25/2016	153							
7/26/2016		135	315	52.8				
8/2/2016					47.2			
8/3/2016						6.85		
9/20/2016					46.3			
9/21/2016						11.7		
9/26/2016	122							
9/27/2016								
9/28/2016		141	324	246.4				
10/25/2016					46.6	10.8		
10/31/2016								
11/1/2016		137						
11/2/2016	114		305	61.3				
12/13/2016					43.1	5.86		
1/9/2017		140						
1/10/2017			319					
1/11/2017	112							
1/12/2017				47.7				
2/6/2017						9.76		
2/8/2017					47.5			
2/13/2017	132	141		54				
2/14/2017			341					
2/15/2017								
3/28/2017						5.28		
3/29/2017					46.8			
4/3/2017	168	141	329	28.7				
4/4/2017								
4/6/2017								
4/24/2017						6.89		
4/26/2017					48.1			
5/15/2017	104							
5/16/2017		145						
5/17/2017			296	26.7				
6/7/2017					44.4	3.58		
6/12/2017		144	263	26.3				
6/13/2017								
6/14/2017	122							
8/21/2017						3.38		
8/22/2017					42.9			
9/18/2017		144	292	20.2				
9/19/2017	98.6							
9/20/2017								
9/21/2017								
3/27/2018	105	154	267	13.9				
3/28/2018								
5/7/2018								
5/8/2018								
5/9/2018	141	150	265	13.8				
5/10/2018								
5/15/2018					44.3	4.25		

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
10/8/2018		150	290	11.1				
10/9/2018	94.1							
10/16/2018						3.21		
10/17/2018					41.8			
2/20/2019							30.6	
3/6/2019								60.1
4/16/2019					38.6	4.43		
4/22/2019								
4/23/2019		167	330	11.9				
4/24/2019								
4/29/2019								
5/1/2019	47.9							
8/27/2019	165							
8/28/2019		148	279					63.5
8/29/2019				14.2				
9/24/2019						7.24	29.7	
3/2/2020			267	10.3				
3/3/2020		155						
3/4/2020								
3/9/2020	126							52.4
3/10/2020								
3/18/2020						4.51		
3/25/2020							31.1	
9/21/2020						5.19		
9/23/2020							29.3	
10/13/2020								51.7
10/14/2020								
10/19/2020	32.6							
10/20/2020		148						
10/21/2020			242	7.36				
2/2/2021						4.35	31.8	
4/20/2021	36.2							
4/21/2021								
4/26/2021								
4/28/2021		172						55.5
5/3/2021			249	9.36				
5/5/2021								
8/2/2021							33	
8/10/2021						4.47		
9/1/2021		160						
9/7/2021								
9/8/2021	78.8		239	7.63				
9/14/2021								56.7
9/15/2021								
2/14/2022							30.1	
2/16/2022						4.42		
3/8/2022								
3/9/2022								
3/14/2022			228	6.95				
3/15/2022	98.1							
3/16/2022		160						
3/17/2022								54.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
8/2/2022						5.28		
8/9/2022							31.4	
9/19/2022	182							
9/20/2022			251	6.51				
9/21/2022		189						
9/26/2022								63.799999

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
7/19/2016	16.9	24.9	40.8	52.7	25				
7/20/2016						8.05			
7/25/2016							8.3	6.41	5.13
7/26/2016									
8/2/2016									
8/3/2016									
9/20/2016									
9/21/2016									
9/26/2016	17.1	29.2		50.6	23.6				
9/27/2016			47.1			8.37	7.94	6.3	
9/28/2016									4
10/25/2016									
10/31/2016	17.3	25.9		52.6	24.4			6.36	
11/1/2016			49.7			8.62	7.32		4.99
11/2/2016									
12/13/2016									
1/9/2017	17.2	31.7	48.8	51.4	24.3				
1/10/2017									
1/11/2017						8.33		6.65	6.72
1/12/2017							6.29		
2/6/2017									
2/8/2017									
2/13/2017			46	56	28		9.1		
2/14/2017	20	43						9.2	7.4
2/15/2017						9.9			
3/28/2017									
3/29/2017									
4/3/2017		25		55	31				
4/4/2017	19		50			9.5	7		8.3
4/6/2017								8	
4/24/2017									
4/26/2017									
5/15/2017						8.1			
5/16/2017	20	21	50	55	31		7.1		6.6
5/17/2017								8.1	
6/7/2017									
6/12/2017	21	23	52	57	32				
6/13/2017								8.1	
6/14/2017						8	7.9		6
8/21/2017									
8/22/2017									
9/18/2017									
9/19/2017	19	19					6.8		
9/20/2017			45	43	30				8.3
9/21/2017						7.7		7.7	
3/27/2018			40	38	33		5.7		8.7
3/28/2018	19	16				6.5		7	
5/7/2018	20	16							
5/8/2018						6.8	7.3		
5/9/2018			39						8.7
5/10/2018				37	34			7.4	
5/15/2018									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
10/8/2018			41			6.9		7.4	
10/9/2018	20	24		41	32		6.5		8
10/16/2018									
10/17/2018									
2/20/2019									
3/6/2019									
4/16/2019									
4/22/2019					242				
4/23/2019									
4/24/2019	18.3	11.9						7.66	
4/29/2019			42.4	40.7					
5/1/2019							6.46		5.04
8/27/2019			42.3	34.7	145				7.95
8/28/2019	19.3	10.8				7.27	6.4		
8/29/2019								6.65	
9/24/2019									
3/2/2020									
3/3/2020		5.33		29.1	177		6.2		8.59
3/4/2020	18.5		40.1						
3/9/2020								7.47	
3/10/2020						7.52			
3/18/2020									
3/25/2020									
9/21/2020									
9/23/2020									
10/13/2020	17.5	10		25.9	96.3				
10/14/2020			30.8						
10/19/2020						7.33		6.03	
10/20/2020							6.33		
10/21/2020									9.47
2/2/2021									
4/20/2021									
4/21/2021		10.3					5.99		
4/26/2021	17.9		24.8						9.31
4/28/2021									
5/3/2021								6.38	
5/5/2021				21	76.5	8.01			
8/2/2021									
8/10/2021									
9/1/2021	17.5	6.87	24.6						
9/7/2021				21.2	78.6	8.14			
9/8/2021									
9/14/2021							6.33		5.88
9/15/2021								6.39	
2/14/2022									
2/16/2022									
3/8/2022		7.81							
3/9/2022	17.6								
3/14/2022									
3/15/2022			19						
3/16/2022				15	79.4		7.08		6.88
3/17/2022						8.05		4.75	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
8/2/2022									
8/9/2022									
9/19/2022				13.3	70.900002				
9/20/2022	17.700001	11.4					7.52		
9/21/2022									
9/26/2022			17.299999			7.51		8.6	5.2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
7/19/2016								
7/20/2016								
7/25/2016	14.1							
7/26/2016		24.8	39.1	30.5				
8/2/2016					2.91			
8/3/2016						3.21		
9/20/2016					2.94			
9/21/2016						2.95		
9/26/2016	13.3							
9/27/2016								
9/28/2016		24.9	40.9	31.1				
10/25/2016					2.94	3.03		
10/31/2016								
11/1/2016		26						
11/2/2016	12.1		44.1	30.2				
12/13/2016					2.93	3.21		
1/9/2017		25.1						
1/10/2017			45.2					
1/11/2017	11.6							
1/12/2017				29.8				
2/6/2017						3		
2/8/2017					2.85			
2/13/2017	14	28		33				
2/14/2017			44					
2/15/2017								
3/28/2017						3.3 (D)		
3/29/2017					3.4 (D)			
4/3/2017	11	29	48	32				
4/4/2017								
4/6/2017								
4/24/2017						3.8 (D)		
4/26/2017					3.7 (D)			
5/15/2017	13							
5/16/2017		30						
5/17/2017			53	37				
6/7/2017					3.3	3.5		
6/12/2017		31	53	34				
6/13/2017								
6/14/2017	13							
8/21/2017						3.6		
8/22/2017					3.4			
9/18/2017		29	45	36				
9/19/2017	13							
9/20/2017								
9/21/2017								
3/27/2018	13	32	45	33				
3/28/2018								
5/7/2018								
5/8/2018								
5/9/2018	11	32	45	31				
5/10/2018								
5/15/2018					3.2	3.3		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
10/8/2018		33	44	32				
10/9/2018	12							
10/16/2018						3.3		
10/17/2018					2.3			
2/20/2019							3.56	
3/6/2019								9.18
4/16/2019					3.23	3.69		
4/22/2019								
4/23/2019		33	43.3	24.9				
4/24/2019								
4/29/2019								
5/1/2019	15							
8/27/2019	8.75							
8/28/2019		32.5	47.1					9.75
8/29/2019				28.5				
9/24/2019						3.21	3.69	
3/2/2020			42.1	29.5				
3/3/2020		35.3						
3/4/2020								
3/9/2020	19.6							14.6
3/10/2020								
3/18/2020						4.35		
3/25/2020							3.72	
9/21/2020						3.22		
9/23/2020							3.74	
10/13/2020								14.4
10/14/2020								
10/19/2020	16							
10/20/2020		34						
10/21/2020			35.8	23.9				
2/2/2021						3.85	3.49	
4/20/2021	12.9							
4/21/2021								
4/26/2021								
4/28/2021		36.7						14.4
5/3/2021			31.1	17.9				
5/5/2021								
8/2/2021							3.12	
8/10/2021						4.04		
9/1/2021		34						
9/7/2021								
9/8/2021	10.8		28.7	36.7				
9/14/2021								6.73
9/15/2021								
2/14/2022							3.26	
2/16/2022						4.42		
3/8/2022								
3/9/2022								
3/14/2022			26.1	30.7				
3/15/2022	10.4							
3/16/2022		33.2						
3/17/2022								11.1

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
8/2/2022						4.35		
8/9/2022							3.09	
9/19/2022	9.01							
9/20/2022			23.1	22.200001				
9/21/2022		31.9						
9/26/2022								10

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-16	MR-AP-MW-15	MR-AP-MW-12	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-1
7/19/2016	0.217 (J)	0.268 (J)	0.252 (J)	0.194 (J)	0.111 (J)				
7/20/2016						0.701			
7/25/2016							0.439	0.155 (J)	0.134 (J)
7/26/2016									
8/2/2016									
8/3/2016									
9/20/2016									
9/21/2016									
9/26/2016	0.192 (J)	0.213 (J)		0.158 (J)	0.069 (J)				0.061 (J)
9/27/2016			0.209 (J)			0.597	0.336	0.097 (J)	
9/28/2016									
10/25/2016									
10/31/2016	0.157 (J)	0.158 (J)		0.068 (J)	0.018 (J)		0.26 (J)		
11/1/2016			0.163 (J)			0.502		0.038 (J)	
11/2/2016									0.024 (J)
12/13/2016									
1/9/2017	0.115 (J)	0.109 (J)	0.13 (J)	<0.125	<0.125				
1/10/2017									
1/11/2017						0.472	0.21 (J)		<0.125
1/12/2017								<0.125	
2/6/2017									
2/8/2017									
2/13/2017	0.27	0.29	0.28					0.13	0.13
2/14/2017				0.14	0.1		0.34		
2/15/2017						0.59			
3/28/2017									
3/29/2017									
4/3/2017	0.25	0.28		0.13					0.15
4/4/2017			0.27		0.1	0.67		0.14	
4/6/2017							0.38		
4/24/2017									
4/26/2017									
5/15/2017						0.63			0.14
5/16/2017	0.24	0.3	0.28	0.13	0.1			0.14	
5/17/2017							0.33		
6/7/2017									
6/12/2017	0.26	0.29	0.27	0.14	0.1				
6/13/2017							0.34		
6/14/2017						0.63		0.14	0.15
8/21/2017									
8/22/2017									
9/18/2017									
9/19/2017				0.16	0.12			0.16	0.17
9/20/2017	0.26	0.35	0.31						
9/21/2017						0.66	0.43		
1/29/2018	0.31	0.35	0.28						
1/30/2018						0.69			
1/31/2018					0.1		0.42		
2/1/2018				0.12				0.12	0.15
2/19/2018									
2/20/2018									
5/7/2018				0.16	0.11				

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-16	MR-AP-MW-15	MR-AP-MW-12	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-1
5/8/2018						0.65		0.13	
5/9/2018			0.28						0.17
5/10/2018	0.31	0.37					0.42		
5/15/2018									
10/8/2018			0.32			0.85	0.49		
10/9/2018	0.33	0.39		0.18	0.13			0.15	0.19
10/16/2018									
10/17/2018									
2/20/2019									
3/6/2019									
4/16/2019									
4/22/2019	0.335								
4/23/2019									
4/24/2019				0.225	0.133		0.433		
4/29/2019		0.343	0.226						
5/1/2019								0.118	0.143
8/27/2019	0.294	0.361	0.237						0.159
8/28/2019				0.29	0.0974 (J)	0.916		0.13	
8/29/2019							0.445		
9/24/2019									
3/2/2020									
3/3/2020	0.286	0.397		0.179				0.134	
3/4/2020			0.221		0.111				
3/9/2020							0.517		0.179
3/10/2020						0.929			
3/18/2020									
3/25/2020									
9/21/2020									
9/23/2020									
10/13/2020	0.311	0.362		0.145	0.125				
10/14/2020			0.251						
10/19/2020						0.978	0.608		0.16
10/20/2020								0.126	
10/21/2020									
2/2/2021									
4/20/2021									0.165
4/21/2021				0.173				0.111	
4/26/2021			0.204		0.117				
4/28/2021									
5/3/2021							0.599		
5/5/2021	0.291	0.351				0.958			
8/2/2021									
8/10/2021									
9/1/2021			0.281	0.14	0.118				
9/7/2021	0.361	0.433				0.843			
9/8/2021									0.188
9/14/2021								0.136	
9/15/2021							0.727		
2/14/2022									
2/16/2022									
3/8/2022				0.155					
3/9/2022					0.103 (J)				

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-16	MR-AP-MW-15	MR-AP-MW-12	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-1
3/14/2022									
3/15/2022			0.154						0.142
3/16/2022	0.309	0.388						0.107 (J)	
3/17/2022						1.21	1.86		
8/2/2022									
8/9/2022									
9/19/2022	0.304	0.341							0.164
9/20/2022				0.145	<0.125			0.0923 (J)	
9/21/2022									
9/26/2022			0.22			0.989	1.12		

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
7/19/2016								
7/20/2016								
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	<0.125	<0.125						
11/2/2016			0.627	0.164 (J)				
12/13/2016					0.072 (J)	0.045 (J)		
1/9/2017		<0.125						
1/10/2017				0.114 (J)				
1/11/2017	<0.125							
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)							
8/21/2017						0.08 (J)		
8/22/2017					0.18			
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								

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
5/8/2018								
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							
10/16/2018						0.09 (J)		
10/17/2018					0.19			
2/20/2019							0.239	
3/6/2019								0.169
4/16/2019					0.197	0.143		
4/22/2019								
4/23/2019		0.167	1.33	0.407				
4/24/2019								
4/29/2019								
5/1/2019	0.108							
8/27/2019	0.19							
8/28/2019		0.105		0.385				0.212
8/29/2019			2.07					
9/24/2019						0.128	0.245	
3/2/2020			1.9	0.382				
3/3/2020	0.262	0.121						
3/4/2020								
3/9/2020								0.285
3/10/2020								
3/18/2020						0.108		
3/25/2020							0.243	
9/21/2020						0.125		
9/23/2020							0.278	
10/13/2020								0.283
10/14/2020								
10/19/2020								
10/20/2020		0.109						
10/21/2020	0.236		1.89	0.427				
2/2/2021						0.114	0.244	
4/20/2021								
4/21/2021								
4/26/2021	0.406							
4/28/2021		0.183						0.217
5/3/2021			2.38	0.388				
5/5/2021								
8/2/2021							0.276	
8/10/2021						0.0924 (J)		
9/1/2021		0.118						
9/7/2021								
9/8/2021			2.27	0.433				
9/14/2021	0.24							0.2
9/15/2021								
2/14/2022							0.237	
2/16/2022						0.0616 (J)		
3/8/2022								
3/9/2022								

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
3/14/2022			2.28	0.405				
3/15/2022								
3/16/2022	0.268	0.155						
3/17/2022								0.127
8/2/2022						0.0815 (J)		
8/9/2022							0.245	
9/19/2022								
9/20/2022			2.39	0.384				
9/21/2022		<0.125						
9/26/2022	0.211							0.158

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
7/19/2016	69.3	683	981	900	237				
7/20/2016						895			
7/25/2016							637	787	1340
7/26/2016									
8/2/2016									
8/3/2016									
9/20/2016									
9/21/2016									
9/26/2016	74.7	707		814	105				
9/27/2016			958			841	612	714	
9/28/2016									1680
10/25/2016									
10/31/2016	80.6	610		800	94.9			741	
11/1/2016			933			829	619		1430
11/2/2016									
12/13/2016									
1/9/2017	77.9	707	896	833	131				
1/10/2017									
1/11/2017						855		731	1550
1/12/2017							654		
2/6/2017									
2/8/2017									
2/14/2017	68	670						670	1500
2/15/2017						860			
3/28/2017									
3/29/2017				760	160				
3/30/2017			930				650		
4/3/2017		520		860	180				
4/4/2017	71		870			1100	690		1700
4/6/2017								640	
4/24/2017									
4/26/2017									
5/15/2017						900			
5/16/2017	62	470	780	630	160		590		1500
5/17/2017								620	
6/7/2017									
6/12/2017	77	510	790	710	160				
6/13/2017								950	
6/14/2017						1100	620		1700
8/21/2017									
8/22/2017									
9/18/2017									
9/19/2017	72	460					630		
9/20/2017			710	590	140				1400
9/21/2017						1100		660	
3/27/2018			620	540	140		620		1500
3/28/2018	73	450				1300		730	
5/7/2018	77	430							
5/8/2018						1400	550		
5/9/2018			600						1300
5/10/2018				540	120			680	
5/15/2018									

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
10/8/2018			650			1500		750	
10/9/2018	76	580		700	130		450		1500
10/16/2018									
10/17/2018									
2/20/2019									
3/6/2019									
4/16/2019									
4/22/2019					249				
4/23/2019									
4/24/2019	91.9	385						950	
4/29/2019			758	484					
5/1/2019							549		1580
8/27/2019			670	529	248				1570
8/28/2019	227	384				1780	605		
8/29/2019								847	
9/24/2019									
3/2/2020									
3/3/2020		198		488	298		618		1690
3/4/2020	93.9		604						
3/9/2020								1010	
3/10/2020						1580			
3/18/2020									
3/25/2020									
9/21/2020									
9/23/2020									
10/13/2020	107	366		473	236				
10/14/2020			527						
10/19/2020						1630		781	
10/20/2020							575		
10/21/2020									1360
2/2/2021									
4/20/2021									
4/21/2021		392					559		
4/26/2021	157		554						1580
4/28/2021									
5/3/2021								917	
5/5/2021				501	224	1510			
8/2/2021									
8/10/2021									
9/1/2021	163	427	637						
9/7/2021				513	243	1850			
9/8/2021									
9/14/2021							588		1690
9/15/2021								910	
2/14/2022									
2/16/2022									
3/8/2022		530							
3/9/2022	123								
3/14/2022									
3/15/2022			475						
3/16/2022				352	227		707		1630
3/17/2022						1730		735	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-4	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-MW-12	MR-AP-MW-11	MR-AP-MW-10	MR-AP-MW-2
8/2/2022									
8/9/2022									
9/19/2022				352	159				
9/20/2022	352	503					678		
9/21/2022									
9/26/2022			393			845		1560	1570

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
7/19/2016								
7/20/2016								
7/25/2016	585							
7/26/2016		532	1040	487				
8/2/2016					12			
8/3/2016						4.2		
9/20/2016					11.2			
9/21/2016						4.27		
9/26/2016	480							
9/27/2016								
9/28/2016		540	1020	422				
10/25/2016					10.1	2.78		
10/31/2016								
11/1/2016		521						
11/2/2016	462		1000	345				
12/13/2016					11.4	3.18		
1/9/2017		543						
1/10/2017			995					
1/11/2017	515							
1/12/2017				281				
2/6/2017						3.74		
2/8/2017					10.9			
2/14/2017			950					
2/15/2017								
3/28/2017						3.4 (JD)		
3/29/2017		540			11 (D)			
3/30/2017	470			160				
4/3/2017	560	550	1100	190				
4/4/2017								
4/6/2017								
4/24/2017						2.7 (JD)		
4/26/2017					11 (D)			
5/15/2017	410							
5/16/2017		490						
5/17/2017			930	190				
6/7/2017					11	2.7 (J)		
6/12/2017		560	940	150				
6/13/2017								
6/14/2017	450							
8/21/2017						3.9 (J)		
8/22/2017					11			
9/18/2017		510	830	86				
9/19/2017	430							
9/20/2017								
9/21/2017								
3/27/2018	430	510	780	31				
3/28/2018								
5/7/2018								
5/8/2018								
5/9/2018	460	500	790	29				
5/10/2018								
5/15/2018					11	2.5 (J)		

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
10/8/2018		490	820	4.7 (J)				
10/9/2018	420							
10/16/2018						2.4 (J)		
10/17/2018					12			
2/20/2019							15.2	
3/6/2019								116
4/16/2019					12.1	4.53		
4/22/2019								
4/23/2019		638	884	8.17				
4/24/2019								
4/29/2019								
5/1/2019	309							
8/27/2019	639							
8/28/2019		609	818					108
8/29/2019				92				
9/24/2019						6.61	11.8	
3/2/2020			859	19.8				
3/3/2020		600						
3/4/2020								
3/9/2020	341							111
3/10/2020								
3/18/2020						4.86		
3/25/2020							9.69	
9/21/2020						4.69		
9/23/2020							11.1	
10/13/2020								135
10/14/2020								
10/19/2020	233							
10/20/2020		513						
10/21/2020			669	7.39				
2/2/2021						4.83	8.81	
4/20/2021	305							
4/21/2021								
4/26/2021								
4/28/2021		551						136
5/3/2021			752	48.2				
5/5/2021								
8/2/2021							10.2	
8/10/2021						3.77		
9/1/2021		575						
9/7/2021								
9/8/2021	472		805	33.4				
9/14/2021								139
9/15/2021								
2/14/2022							9.09	
2/16/2022						4.68		
3/8/2022								
3/9/2022								
3/14/2022			810	51.7				
3/15/2022	512							
3/16/2022		587						
3/17/2022								137

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-6	MR-AP-MW-5	MR-AP-PZ-5	GS-AP-MW-13 (bg)	GS-AP-MW-8 (bg)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
8/2/2022						4.18		
8/9/2022							8.13	
9/19/2022	548							
9/20/2022			866	34.599998				
9/21/2022		535						
9/26/2022								134

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-12	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
7/19/2016	704	1530	1520	255	1080				
7/20/2016						1620			
7/25/2016							1060	1440	456
7/26/2016									
8/2/2016									
8/3/2016									
9/20/2016									
9/21/2016									
9/26/2016	594	1480		259	1140		852		
9/27/2016			1540			1560		1310	1170
9/28/2016									
10/25/2016									
10/31/2016	572	1430		265	1010			1360	
11/1/2016			1510			1580			1160
11/2/2016							888		
12/13/2016									
1/9/2017	608	1500	1510	276	1250				
1/10/2017									
1/11/2017						1570	920	1310	
1/12/2017									1180
2/6/2017									
2/8/2017									
2/13/2017	584	1380	1460				848		1130
2/14/2017				246	1180			1270	
2/15/2017						1470			
3/28/2017									
3/29/2017									
4/3/2017	606	1370			846		1000		
4/4/2017			1270	257		1840			1140
4/6/2017								1320	
4/24/2017									
4/26/2017									
5/15/2017						1660	870		
5/16/2017	608	1300	1420	283	880				1080
5/17/2017								1280	
6/7/2017									
6/12/2017	644	1300	1380	266	872				
6/13/2017								1310	
6/14/2017						1960	910		1220
8/21/2017									
8/22/2017									
9/18/2017									
9/19/2017				266	848		824		1140
9/20/2017	592	1180	1270						
9/21/2017						2030		1350	
5/7/2018				264	742				
5/8/2018						2400			1070
5/9/2018			1040				1020		
5/10/2018	606	1060						1310	
5/15/2018									
10/8/2018			1180 (D)			2630 (D)		1430 (D)	
10/9/2018	536 (D)	1220 (D)		239 (D)	982 (D)		830 (D)		1010 (D)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-12	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
10/16/2018									
10/17/2018									
2/20/2019									
3/6/2019									
4/16/2019									
4/22/2019	930								
4/23/2019									
4/24/2019				234	646			1460	
4/29/2019		956	1180						
5/1/2019							694		996
8/27/2019	837	960	1120				1120		
8/28/2019				397	642	2850			1050
8/29/2019								1550	
9/24/2019									
3/2/2020									
3/3/2020	953	840			378				1070
3/4/2020			904	269					
3/9/2020							815	1720	
3/10/2020						2420			
3/18/2020									
3/25/2020									
9/21/2020									
9/23/2020									
10/13/2020	793	937		280	738				
10/14/2020			934						
10/19/2020						2540	530	1430	
10/20/2020									1050
10/21/2020									
2/2/2021									
4/20/2021							630		
4/21/2021					688				1060
4/26/2021			930	352					
4/28/2021									
5/3/2021								1510	
5/5/2021	748	883				2530			
8/2/2021									
8/10/2021									
9/1/2021			1050	359	702				
9/7/2021	706	924				2940			
9/8/2021							858		
9/14/2021									1000
9/15/2021								1490	
2/14/2022									
2/16/2022									
3/8/2022					738				
3/9/2022				279					
3/14/2022									
3/15/2022			800				897		
3/16/2022	698	698							1120
3/17/2022						2580		1230	
8/2/2022									
8/9/2022									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-3S	MR-AP-MW-3D	MR-AP-MW-4	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-12	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11
9/19/2022	644	756					1060		
9/20/2022				594	826				1140
9/21/2022									
9/26/2022			694			1560		2550	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
7/19/2016								
7/20/2016								
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							
8/21/2017						91.3		
8/22/2017					224			
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 (D)	882 (D)	1300 (D)				
10/9/2018	2460 (D)							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
10/16/2018						76.7		
10/17/2018					208			
2/20/2019							346	
3/6/2019								397
4/16/2019					185	92		
4/22/2019								
4/23/2019		478	882	1390				
4/24/2019								
4/29/2019								
5/1/2019	2370							
8/27/2019	2470							
8/28/2019			903	1370				446
8/29/2019		734						
9/24/2019						109	365	
3/2/2020		594		1270				
3/3/2020	2520		926					
3/4/2020								
3/9/2020								496
3/10/2020								
3/18/2020						90.7		
3/25/2020							364	
9/21/2020						94		
9/23/2020							368	
10/13/2020								534
10/14/2020								
10/19/2020								
10/20/2020			876					
10/21/2020	2190	594		1190				
2/2/2021						98.7	356	
4/20/2021								
4/21/2021								
4/26/2021	2560							
4/28/2021			937					499
5/3/2021		762		1220				
5/5/2021								
8/2/2021							333	
8/10/2021						101		
9/1/2021			957					
9/7/2021								
9/8/2021		690		1220				
9/14/2021	2400							440
9/15/2021								
2/14/2022							365	
2/16/2022						90.7		
3/8/2022								
3/9/2022								
3/14/2022		748		1190				
3/15/2022								
3/16/2022	2420		894					
3/17/2022								460
8/2/2022						97.300003		
8/9/2022							344	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/15/2022 12:58 PM View: Appendix III - Interwell

Plant Miller Client: Southern Company Data: Miller Ash Pond

	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)	GS-AP-MW-17V ...	MR-AP-MW-21 (bg)
9/19/2022								
9/20/2022		746		1140				
9/21/2022			914					
9/26/2022	2350							459

FIGURE F.

Appendix II Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	MR-AP-MW-10	0.4112	98	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-12	1.056	105	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-15	0.0591	122	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-2	0.01286	94	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-22I (bg)	-0.01738	-15	-14	Yes	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3D	-0.02511	-96	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-3S	0.01393	89	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-4	-0.02284	-110	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-6	0.01584	87	74	Yes	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-PZ-5	-0.03676	-127	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-10	8.341	89	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-12	-11.34	-81	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-15	0.944	109	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-16	-16.69	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-3D	-26.33	-157	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-4	-25.91	-154	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-5	-15.41	-113	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-6	5.638	143	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-8 (bg)	0.1958	100	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-22D (bg)	374.4	15	14	Yes	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-3S	10.22	122	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-4	-4.781	-115	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-6	1.739	142	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-13 (bg)	0.02914	48	43	Yes	13	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-10	0.08149	140	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-12	0.08488	116	74	Yes	19	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3D	0.03095	116	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-3S	0.02143	106	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-5	0.02979	117	81	Yes	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-PZ-5	0.2875	147	81	Yes	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-10	0.06943	140	87	Yes	21	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-15	-0.03061	-123	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-12	172.1	110	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-15	11.25	115	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-16	-48.17	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-3D	-81.2	-148	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-4	-89.45	-154	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-5	-46.95	-110	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-12	219.7	84	68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-16	-84.9	-94	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3D	-136.2	-150	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-4	-133.2	-144	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-5	-87.51	-127	-74	Yes	19	0	n/a	n/a	0.01	NP

Appendix II Trend Tests - Prediction Limit Exceedances - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	GS-AP-MW-13 (bg)	-0.01983	-35	-38	No	12	41.67	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-17V (bg)	-0.002946	-6	-21	No	8	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	GS-AP-MW-8 (bg)	0	-54	-74	No	19	63.16	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-10**	**0.4112**	**98**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-12**	**1.056**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-15**	**0.0591**	**122**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-16	-0.05689	-46	-74	No	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-2**	**0.01286**	**94**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-21 (bg)	-0.0003606	-2	-21	No	8	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-22D (bg)	0.00288	2	14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-22I (bg)**	**-0.01738**	**-15**	**-14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-22S (bg)	-0.001738	-5	-14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-23 (bg)	-0.02331	-7	-14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	MR-AP-MW-23A (bg)	-0.03806	-13	-14	No	6	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-3D**	**-0.02511**	**-96**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-3S**	**0.01393**	**89**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-MW-4**	**-0.02284**	**-110**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	MR-AP-MW-5	-0.003109	-43	-74	No	19	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**MR-AP-MW-6**	**0.01584**	**87**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**MR-AP-PZ-5**	**-0.03676**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	GS-AP-MW-13 (bg)	-2.607	-32	-38	No	12	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-17V (bg)	0.5155	8	21	No	8	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GS-AP-MW-8 (bg)	-0.5125	-54	-74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-1	-8.446	-49	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-10**	**8.341**	**89**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	MR-AP-MW-11	0	3	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-12**	**-11.34**	**-81**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-15**	**0.944**	**109**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-16**	**-16.69**	**-94**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	MR-AP-MW-2	3.751	42	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-21 (bg)	0.5681	2	21	No	8	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-22D (bg)	13.89	11	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-22I (bg)	-1.665	-11	-14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-22S (bg)	35.87	11	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-23 (bg)	5.19	2	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	MR-AP-MW-23A (bg)	6.016	7	14	No	6	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**MR-AP-MW-3D**	**-26.33**	**-157**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-4**	**-25.91**	**-154**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-5**	**-15.41**	**-113**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**MR-AP-MW-6**	**5.638**	**143**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	GS-AP-MW-13 (bg)	0.1178	10	38	No	12	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GS-AP-MW-17V (bg)	-0.1941	-14	-21	No	8	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**GS-AP-MW-8 (bg)**	**0.1958**	**100**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-15	0	0	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-21 (bg)	-0.08795	-1	-21	No	8	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-22D (bg)**	**374.4**	**15**	**14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-22I (bg)	-43.65	-5	-14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-22S (bg)	-0.79	-2	-14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-23 (bg)	147	9	14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	MR-AP-MW-23A (bg)	11.3	4	14	No	6	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-3S**	**10.22**	**122**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**MR-AP-MW-4**	**-4.781**	**-115**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-MW-5	-2.536	-79	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**MR-AP-MW-6**	**1.739**	**142**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	MR-AP-PZ-5	-1.008	-50	-81	No	20	0	n/a	n/a	0.01	NP

Appendix II Trend Tests - Prediction Limit Exceedances - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	**GS-AP-MW-13 (bg)**	**0.02914**	**48**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	GS-AP-MW-17V (bg)	0.000751	3	21	No	8	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GS-AP-MW-8 (bg)	0.00285	29	81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-10**	**0.08149**	**140**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-12**	**0.08488**	**116**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	MR-AP-MW-21 (bg)	-0.0254	-10	-21	No	8	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-22D (bg)	-0.01872	-4	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-22I (bg)	-0.06345	-11	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-22S (bg)	-0.09225	-11	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-23 (bg)	-0.006257	-3	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	MR-AP-MW-23A (bg)	-0.01524	-3	-14	No	6	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**MR-AP-MW-3D**	**0.03095**	**116**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-3S**	**0.02143**	**106**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-MW-5**	**0.02979**	**117**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	**MR-AP-PZ-5**	**0.2875**	**147**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	GS-AP-MW-13 (bg)	-0.05825	-34	-43	No	13	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-17V (bg)	-0.05933	-15	-21	No	8	0	n/a	n/a	0.01	NP
pH, Field (pH)	GS-AP-MW-8 (bg)	-0.03466	-73	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-10**	**0.06943**	**140**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-12	-0.01724	-42	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (pH)	**MR-AP-MW-15**	**-0.03061**	**-123**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (pH)	MR-AP-MW-16	0.05067	87	87	No	21	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-21 (bg)	0.08914	10	21	No	8	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-22D (bg)	0.09012	3	14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-22I (bg)	0.2135	11	14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-22S (bg)	0.0711	5	14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-23 (bg)	-0.003972	-1	-14	No	6	0	n/a	n/a	0.01	NP
pH, Field (pH)	MR-AP-MW-23A (bg)	-0.01446	-1	-14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-13 (bg)	0.01849	11	38	No	12	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-17V (bg)	-1.512	-20	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GS-AP-MW-8 (bg)	0.169	36	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-1	-26.11	-45	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-10	39.64	67	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-11	-7.161	-31	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-12**	**172.1**	**110**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-15**	**11.25**	**115**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-16**	**-48.17**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-2	16.46	34	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-21 (bg)	7.401	14	21	No	8	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-22D (bg)	50.83	11	14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-22I (bg)	-6.977	-5	-14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-22S (bg)	2.466	1	14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-23 (bg)	0.03654	1	14	No	6	16.67	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	MR-AP-MW-23A (bg)	16.77	11	14	No	6	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-3D**	**-81.2**	**-148**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-3S	15.98	52	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**MR-AP-MW-4**	**-89.45**	**-154**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**MR-AP-MW-5**	**-46.95**	**-110**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	MR-AP-MW-6	6.69	35	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-13 (bg)	-7.182	-29	-38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-17V (bg)	-2.073	-5	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GS-AP-MW-8 (bg)	-2.33	-37	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-1	-19.51	-28	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-10	42.25	62	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-11	-15.3	-44	-74	No	19	0	n/a	n/a	0.01	NP

Appendix II Trend Tests - Prediction Limit Exceedances - All Results

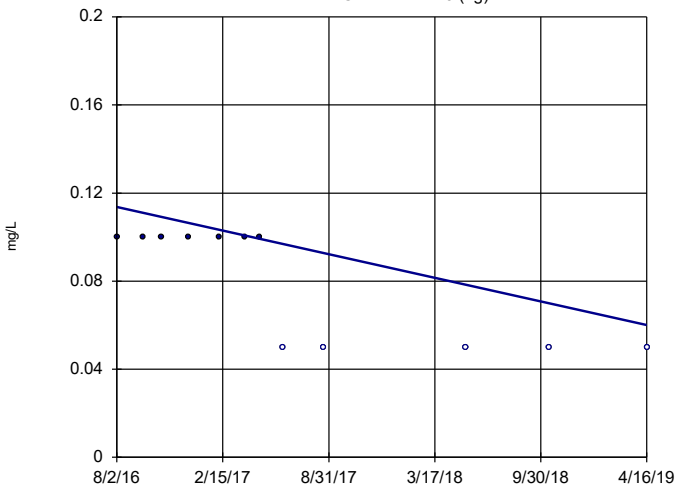
Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-12**	**219.7**	**84**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-15	9.865	72	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-16**	**-84.9**	**-94**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-2	28.79	43	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-21 (bg)	4.85	4	21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-22D (bg)	406.3	11	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-22I (bg)	-121.7	-11	-14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-22S (bg)	48.13	3	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-23 (bg)	27.44	3	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-23A (bg)	156.4	5	14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-3D**	**-136.2**	**-150**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-3S	22.03	50	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-4**	**-133.2**	**-144**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**MR-AP-MW-5**	**-87.51**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	MR-AP-MW-6	6.864	47	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	MR-AP-PZ-5	-44.37	-58	-74	No	19	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = -0.01983 units per year.

Mann-Kendall statistic = -35
critical = -38

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

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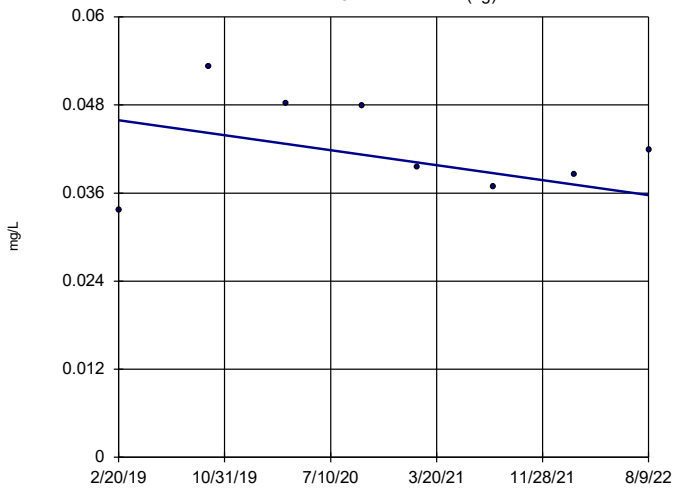
Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = -0.002946 units per year.

Mann-Kendall statistic = -6
critical = -21

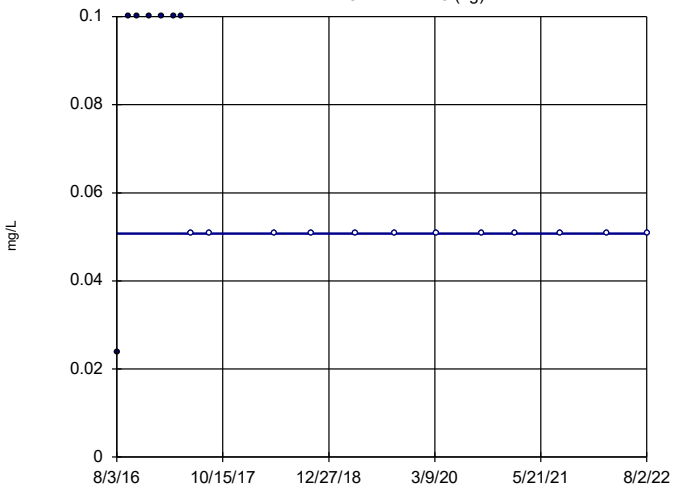
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -54
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

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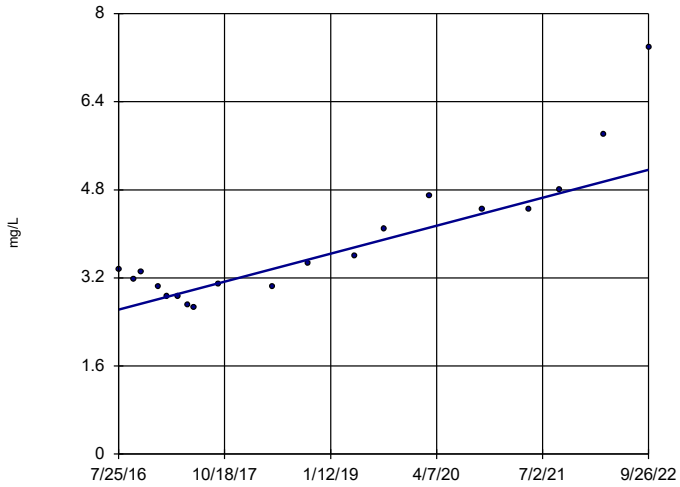
Sen's Slope Estimator

MR-AP-MW-10



n = 19

Slope = 0.4112 units per year.

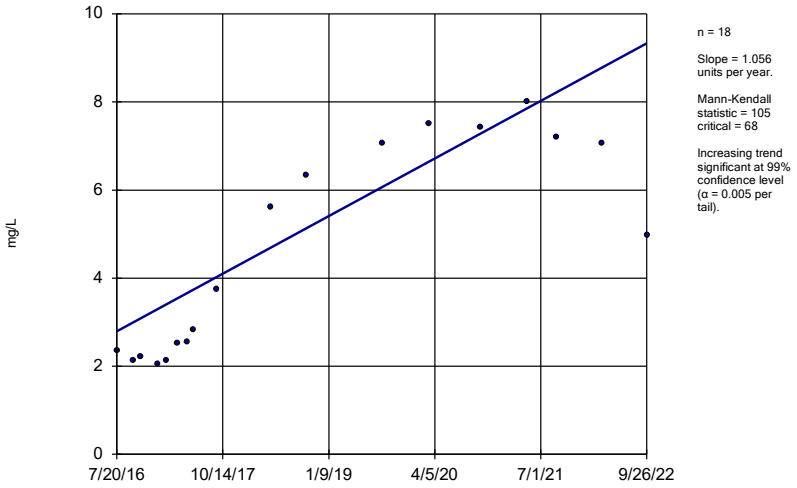
Mann-Kendall statistic = 98
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-12



n = 18

Slope = 1.056 units per year.

Mann-Kendall statistic = 105 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

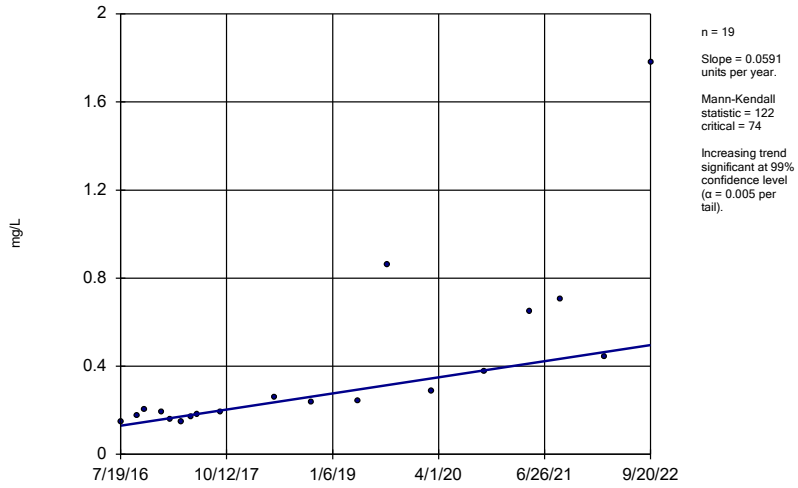
Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-15



n = 19

Slope = 0.0591 units per year.

Mann-Kendall statistic = 122 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

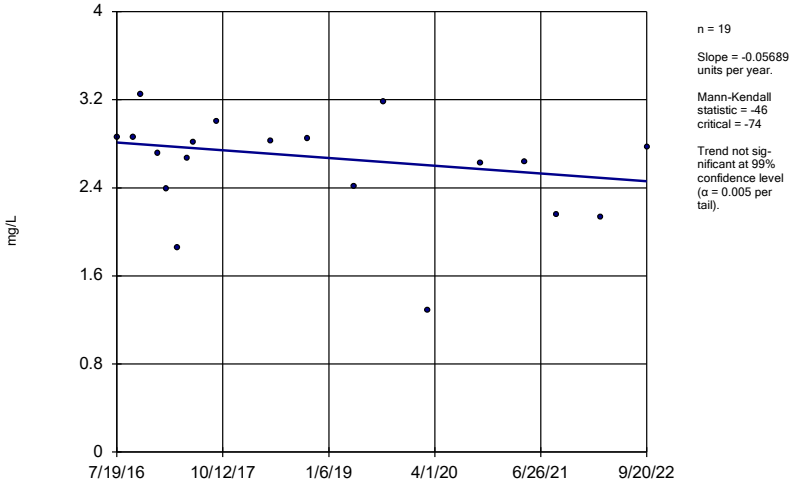
Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-16



n = 19

Slope = -0.05689 units per year.

Mann-Kendall statistic = -46 critical = -74

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

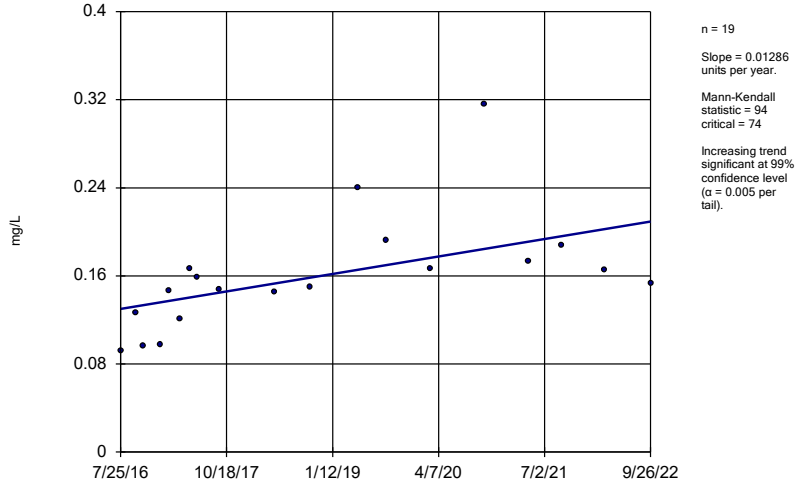
Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-2



n = 19

Slope = 0.01286 units per year.

Mann-Kendall statistic = 94 critical = 74

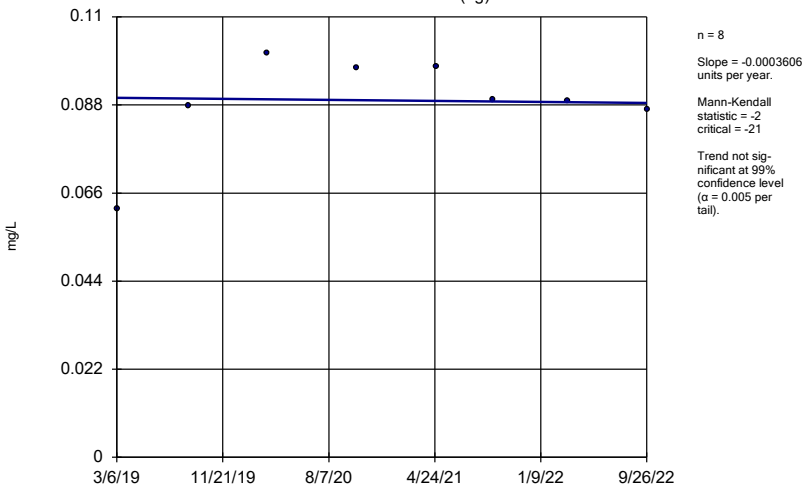
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = -0.0003606 units per year.

Mann-Kendall statistic = -2
critical = -21

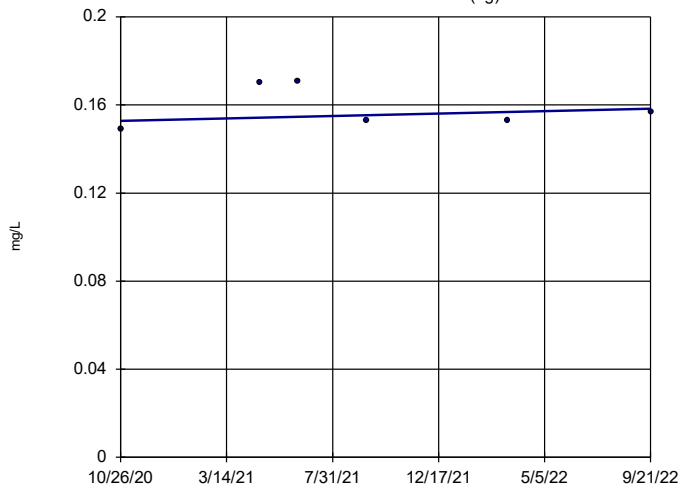
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = 0.00288 units per year.

Mann-Kendall statistic = 2
critical = 14

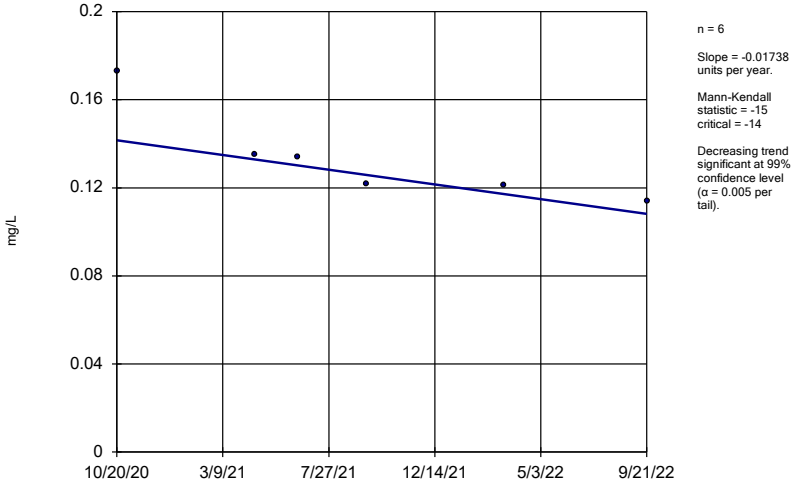
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = -0.01738 units per year.

Mann-Kendall statistic = -15
critical = -14

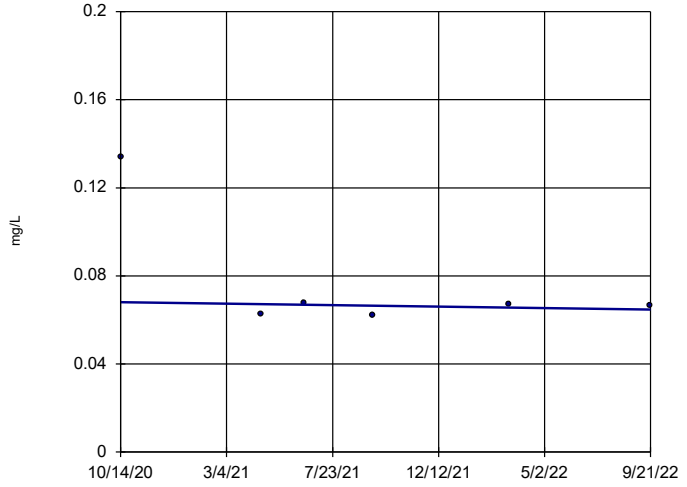
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22S (bg)



n = 6

Slope = -0.001738 units per year.

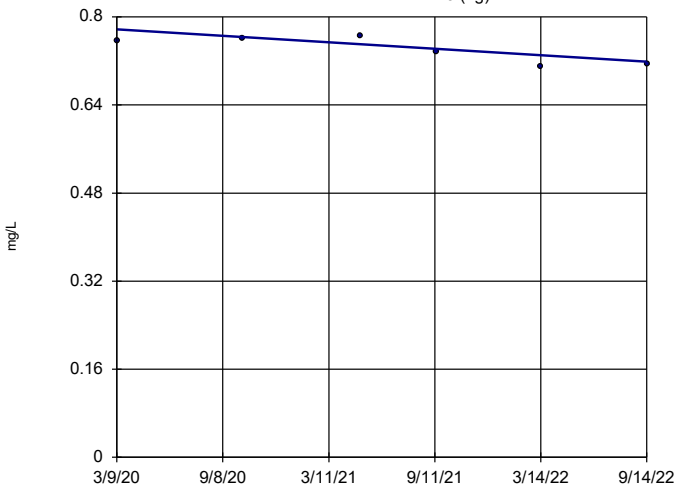
Mann-Kendall statistic = -5
critical = -14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-23 (bg)



n = 6

Slope = -0.02331 units per year.

Mann-Kendall statistic = -7
critical = -14

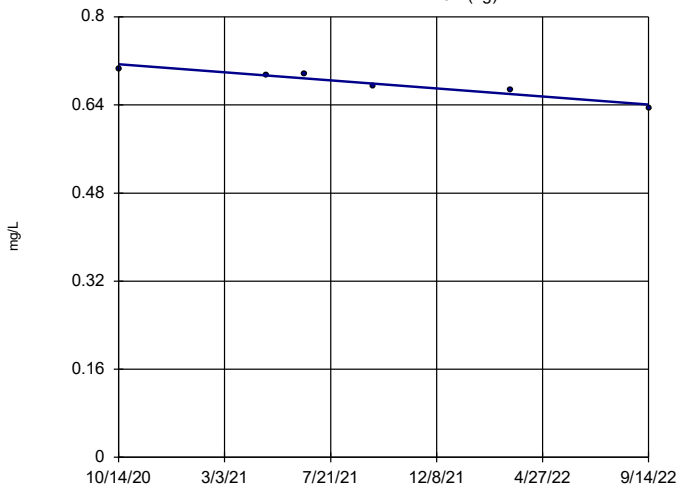
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23A (bg)



n = 6

Slope = -0.03806 units per year.

Mann-Kendall statistic = -13
critical = -14

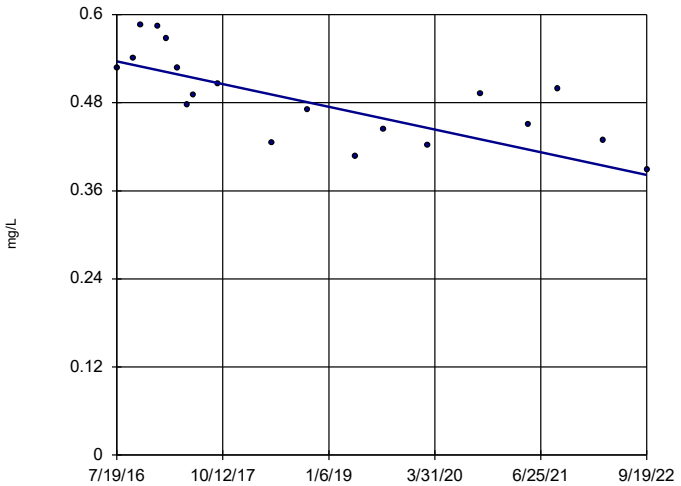
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 19

Slope = -0.02511 units per year.

Mann-Kendall statistic = -96
critical = -74

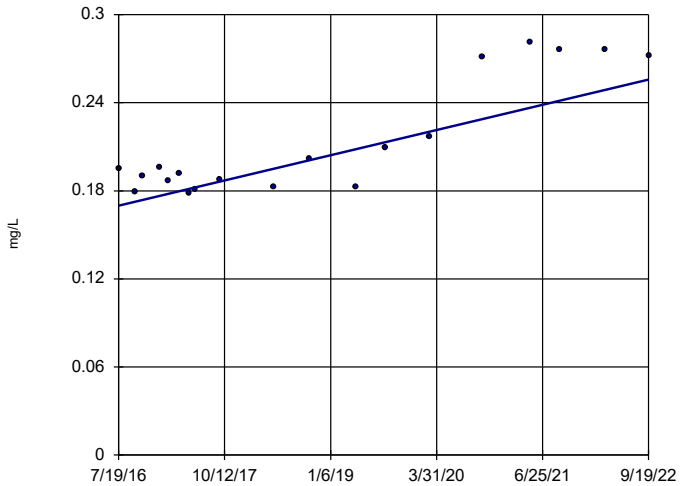
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 19

Slope = 0.01393 units per year.

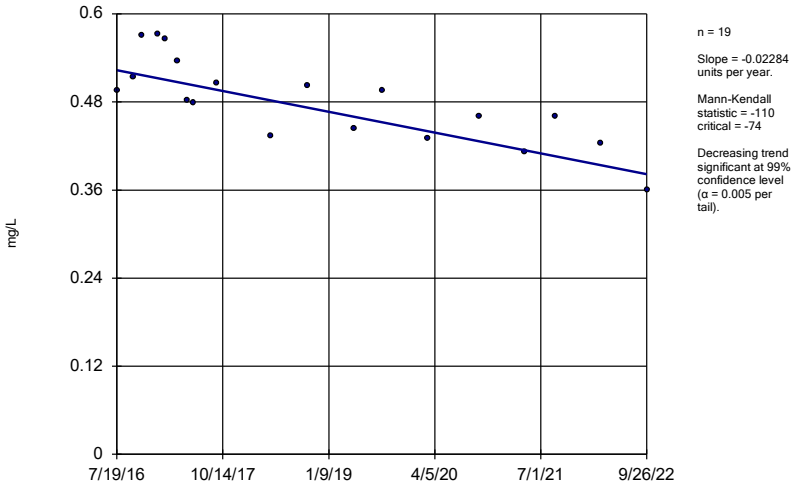
Mann-Kendall statistic = 89
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-4



n = 19

Slope = -0.02284 units per year.

Mann-Kendall statistic = -110
critical = -74

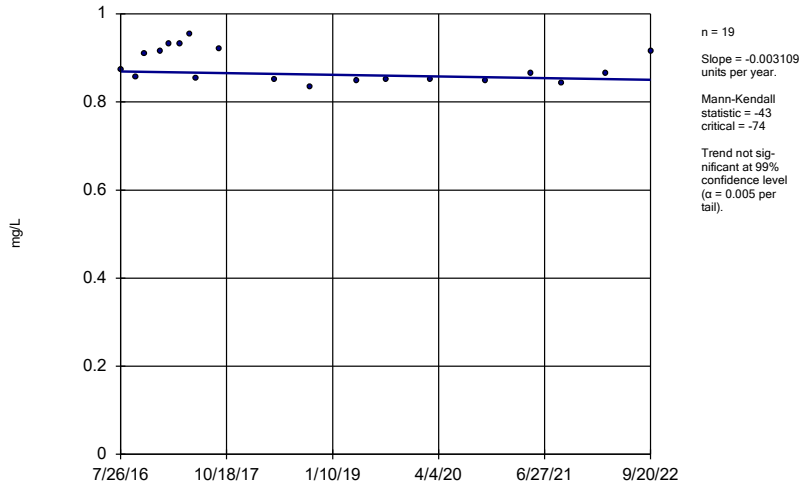
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-5



n = 19

Slope = -0.003109 units per year.

Mann-Kendall statistic = -43
critical = -74

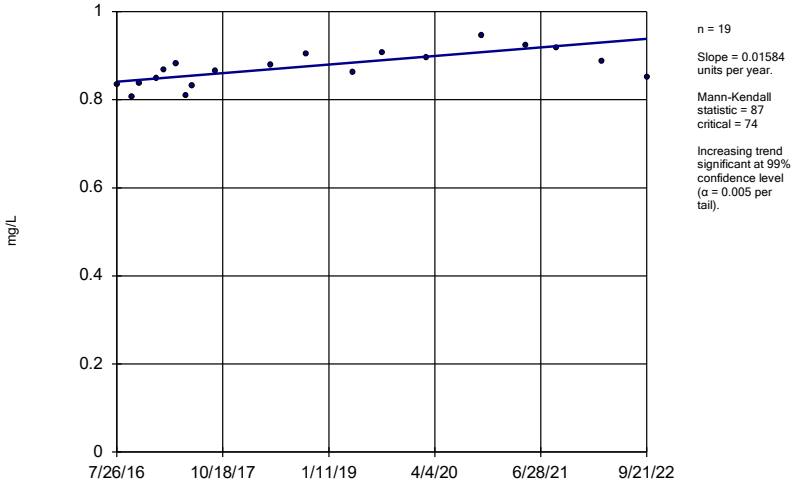
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-6



n = 19

Slope = 0.01584 units per year.

Mann-Kendall statistic = 87
critical = 74

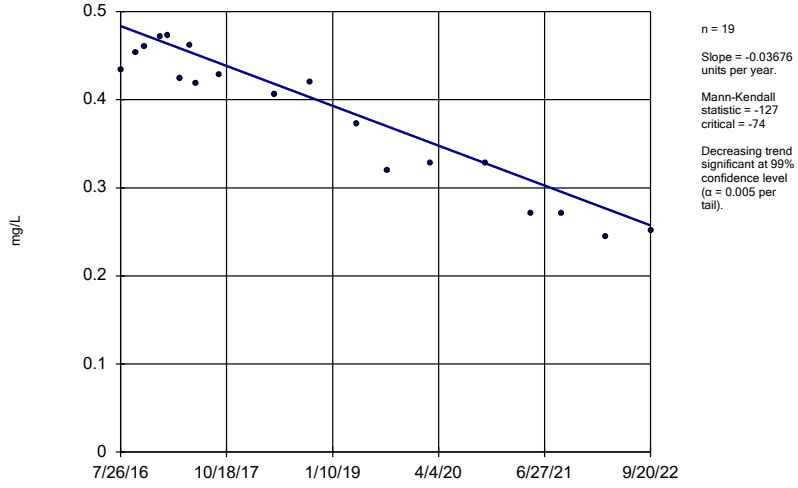
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 19

Slope = -0.03676 units per year.

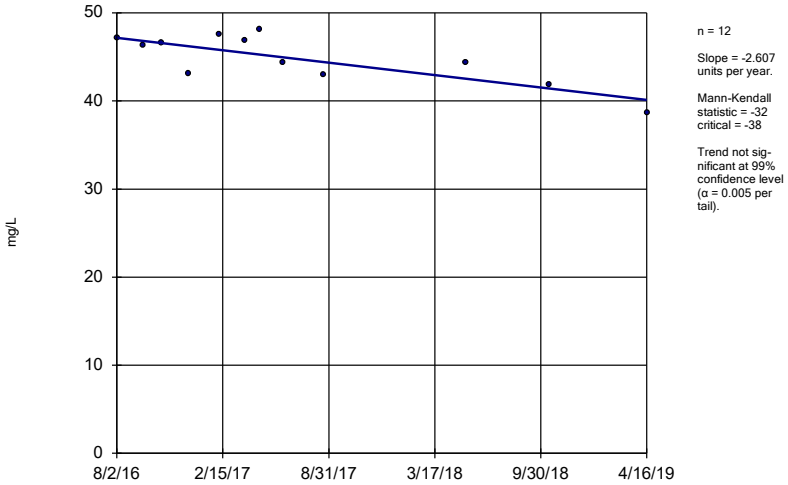
Mann-Kendall statistic = -127
critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = -2.607 units per year.

Mann-Kendall statistic = -32 critical = -38

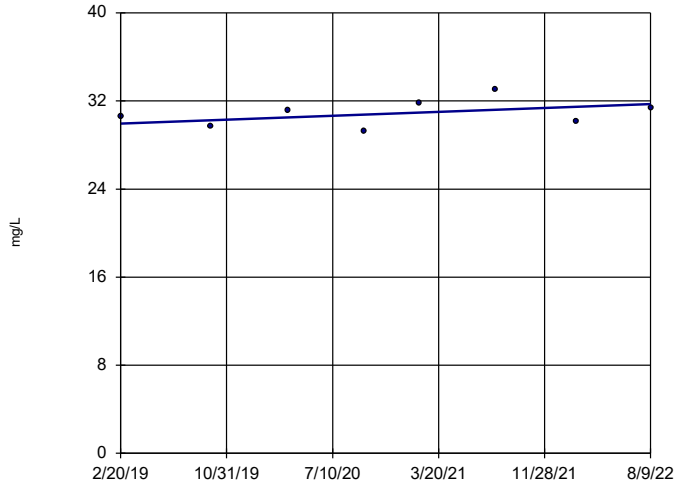
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = 0.5155 units per year.

Mann-Kendall statistic = 8 critical = 21

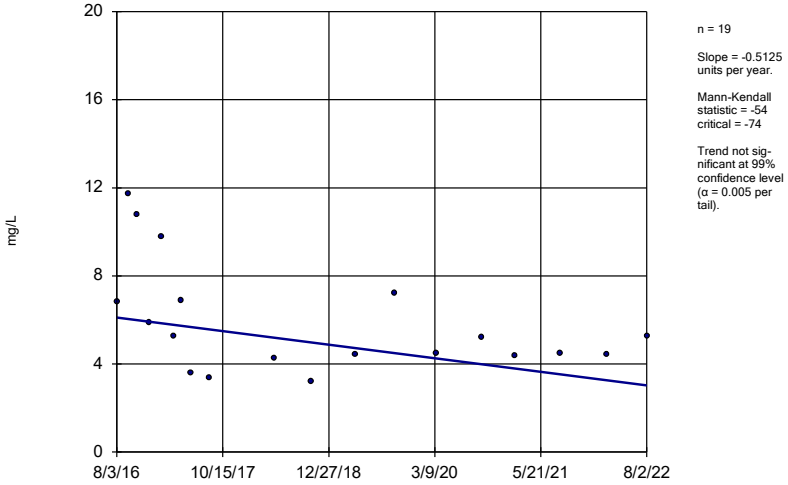
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = -0.5125 units per year.

Mann-Kendall statistic = -54 critical = -74

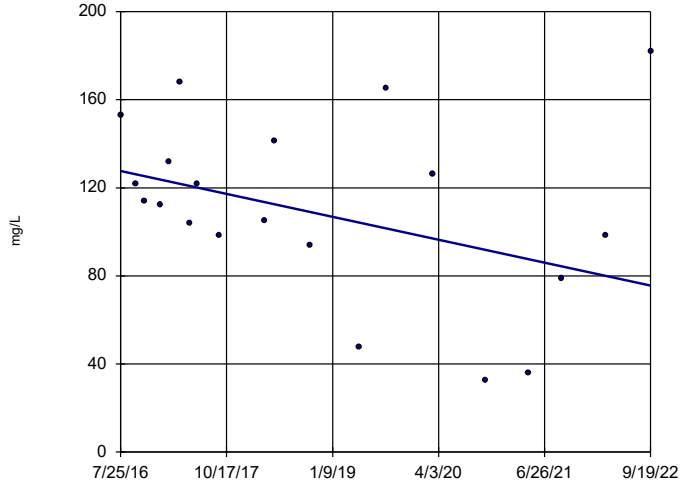
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-1



n = 20

Slope = -8.446 units per year.

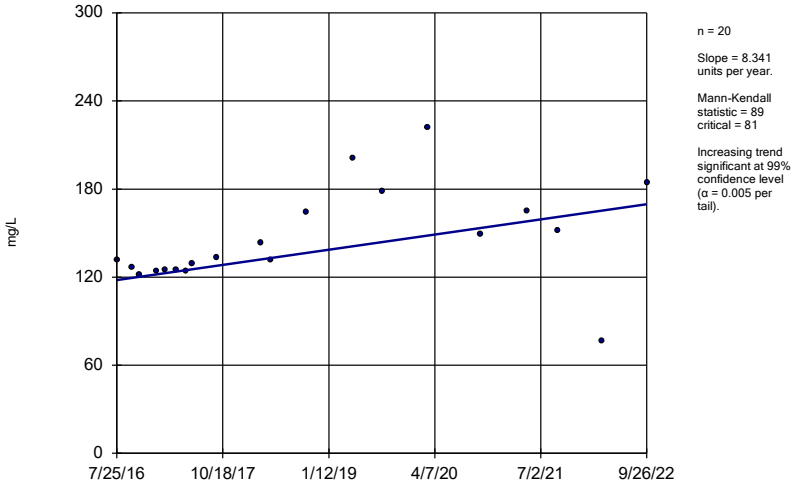
Mann-Kendall statistic = -49 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-10



n = 20

Slope = 8.341 units per year.

Mann-Kendall statistic = 89
critical = 81

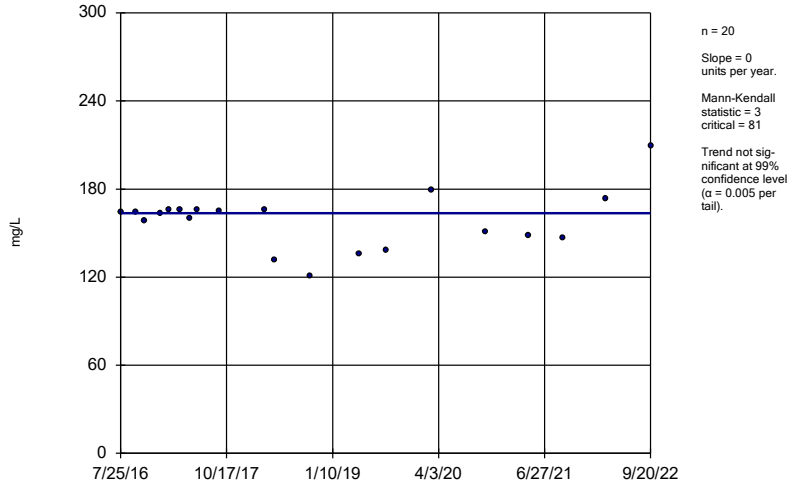
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-11



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 81

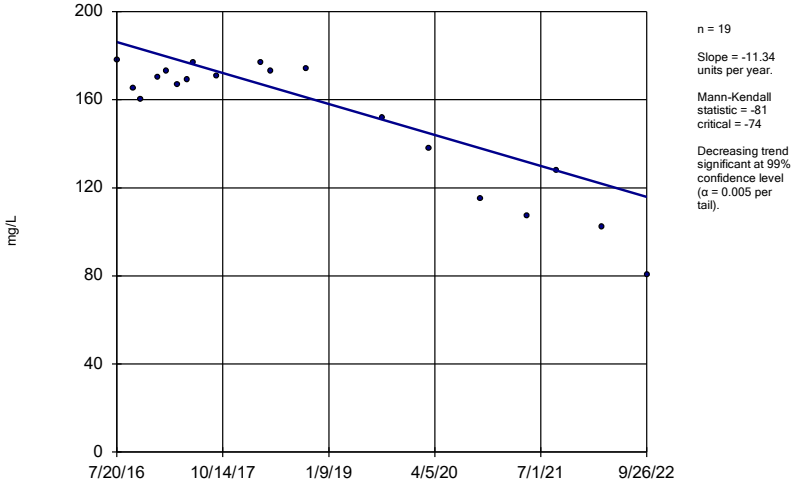
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-12



n = 19

Slope = -11.34 units per year.

Mann-Kendall statistic = -81
critical = -74

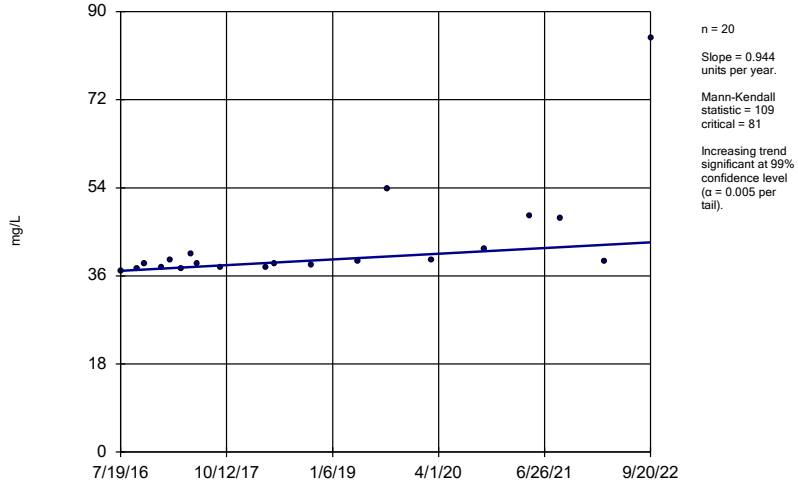
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-15



n = 20

Slope = 0.944 units per year.

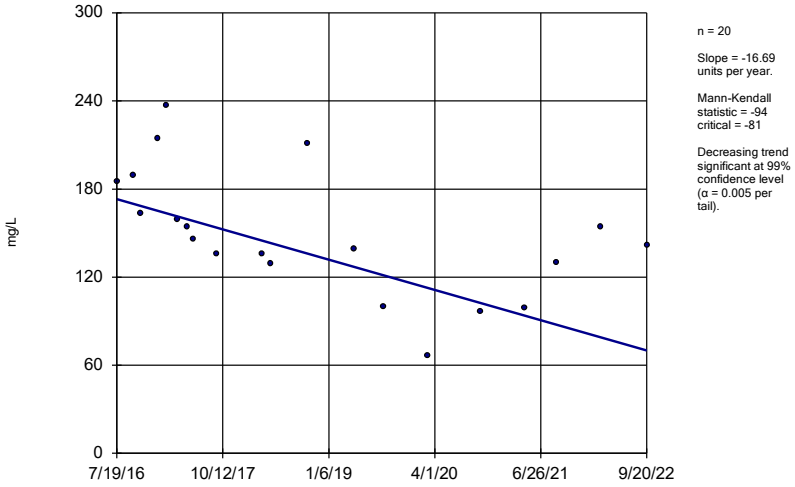
Mann-Kendall statistic = 109
critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-16



n = 20

Slope = -16.69 units per year.

Mann-Kendall statistic = -94
critical = -81

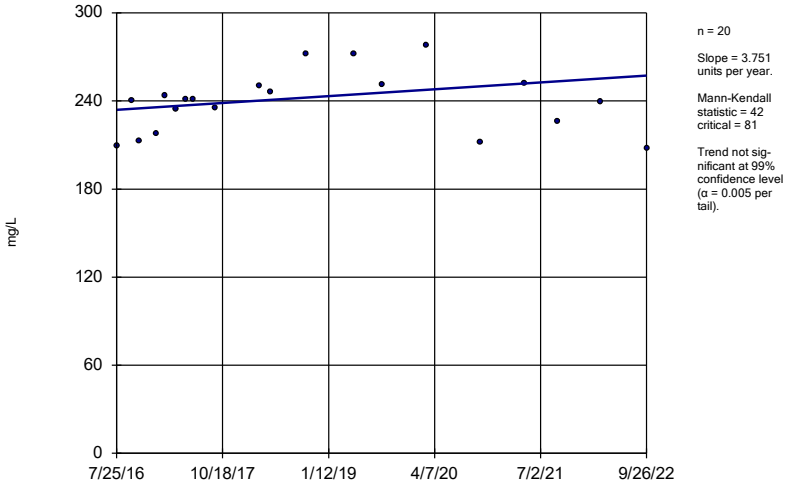
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-2



n = 20

Slope = 3.751 units per year.

Mann-Kendall statistic = 42
critical = 81

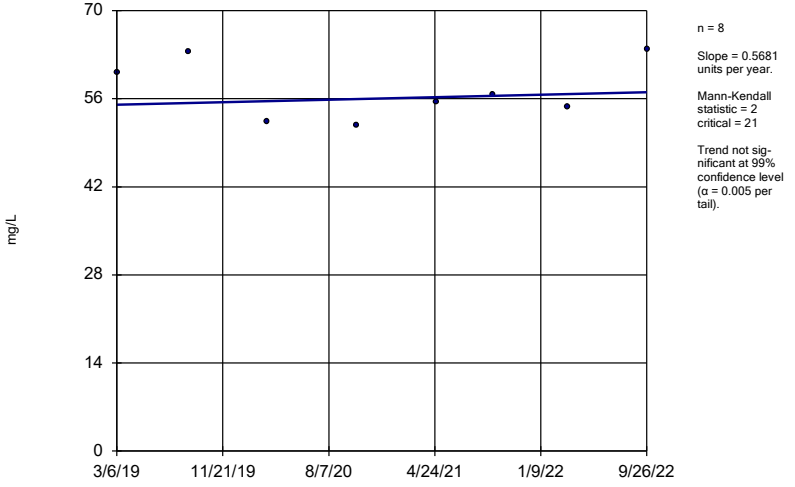
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = 0.5681 units per year.

Mann-Kendall statistic = 2
critical = 21

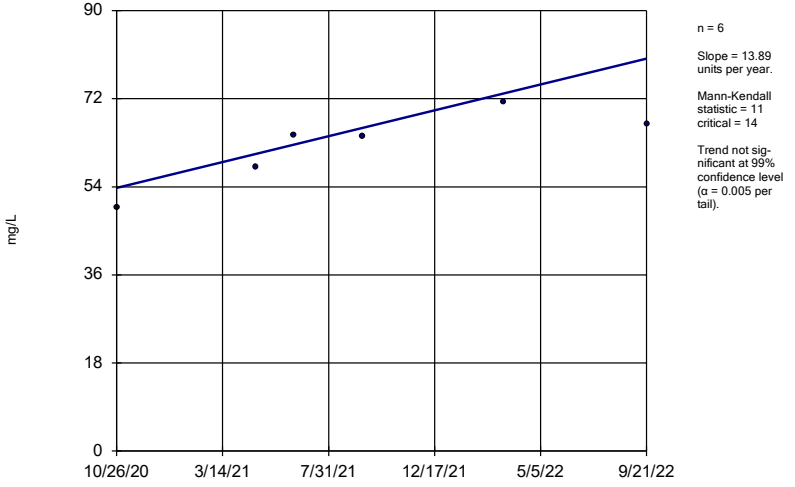
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = 13.89 units per year.

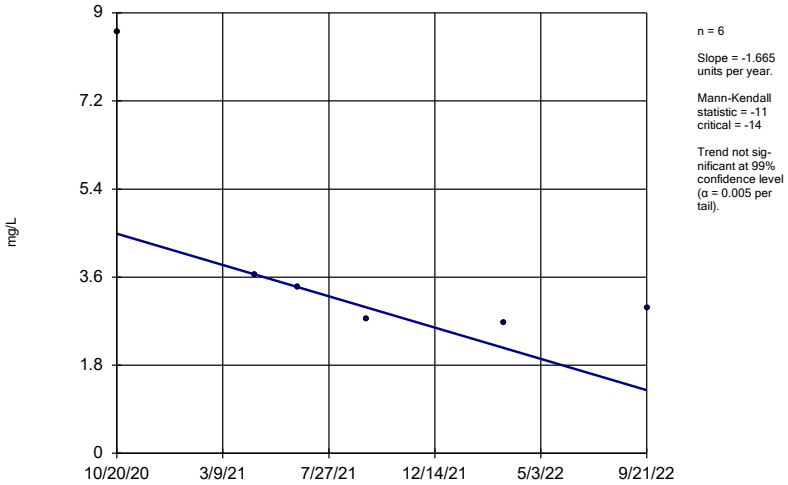
Mann-Kendall statistic = 11
critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = -1.665 units per year.

Mann-Kendall statistic = -11 critical = -14

Trend not significant at 99% confidence level (α = 0.005 per tail).

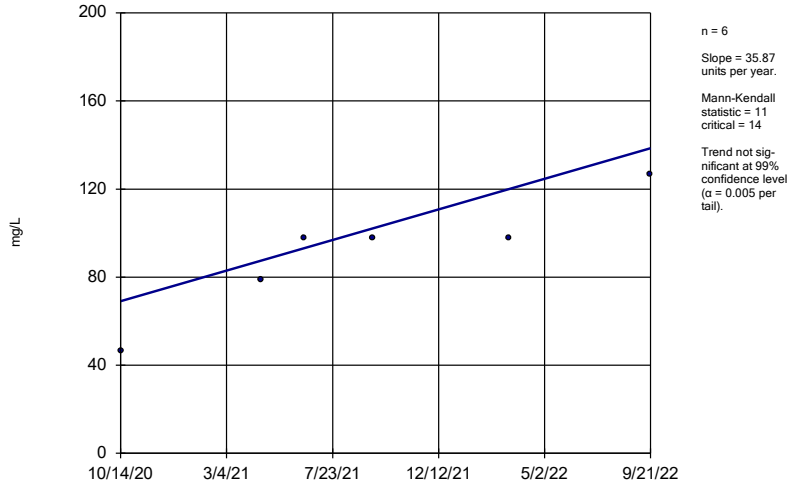
Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22S (bg)



n = 6

Slope = 35.87 units per year.

Mann-Kendall statistic = 11 critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

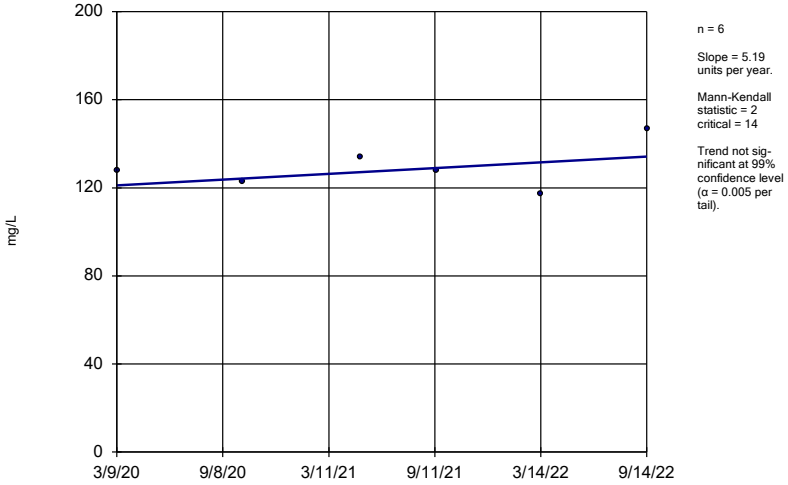
Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23 (bg)



n = 6

Slope = 5.19 units per year.

Mann-Kendall statistic = 2 critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

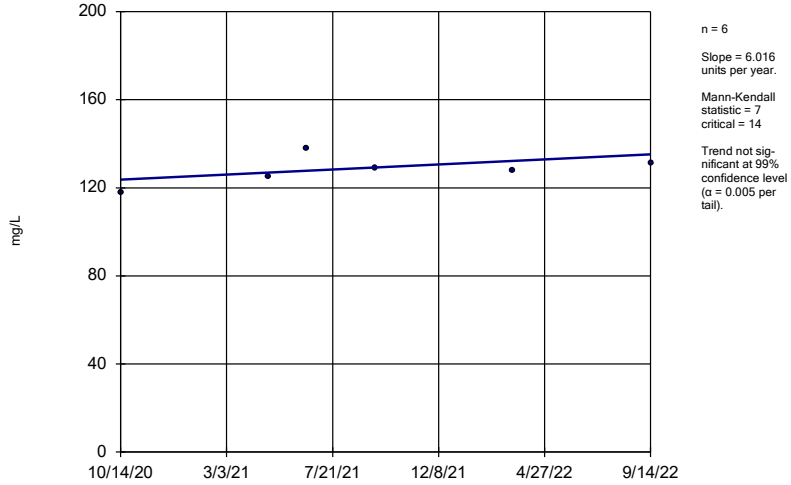
Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23A (bg)



n = 6

Slope = 6.016 units per year.

Mann-Kendall statistic = 7 critical = 14

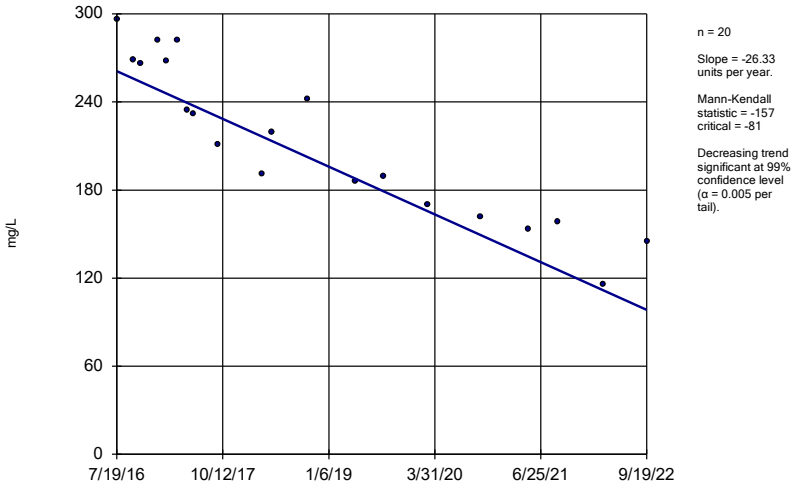
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-3D



n = 20

Slope = -26.33 units per year.

Mann-Kendall statistic = -157
critical = -81

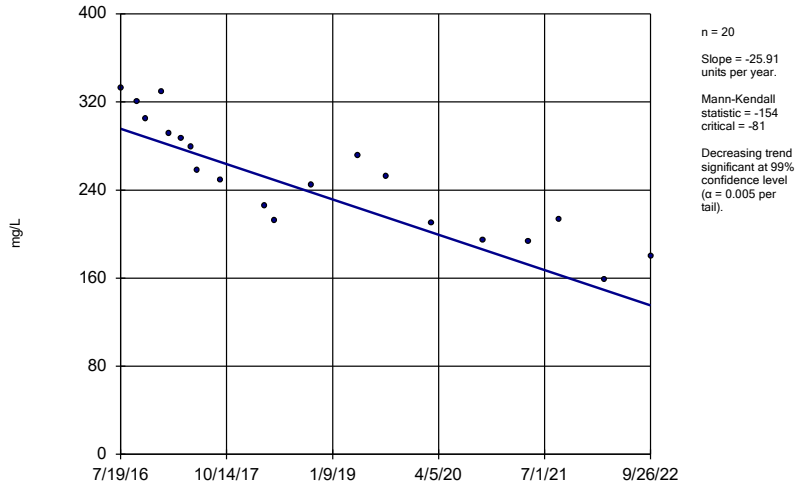
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-4



n = 20

Slope = -25.91 units per year.

Mann-Kendall statistic = -154
critical = -81

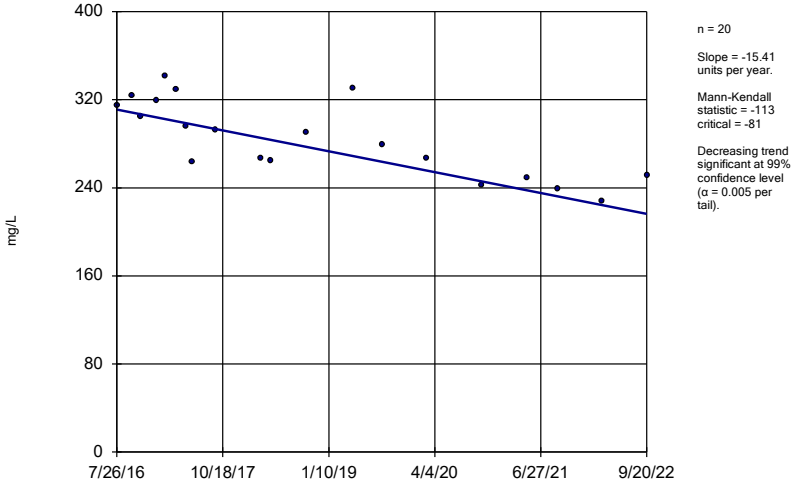
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-5



n = 20

Slope = -15.41 units per year.

Mann-Kendall statistic = -113
critical = -81

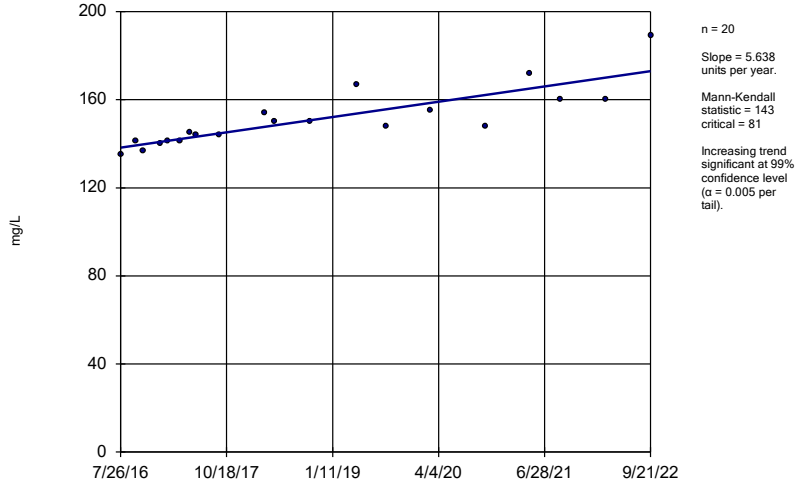
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-6



n = 20

Slope = 5.638 units per year.

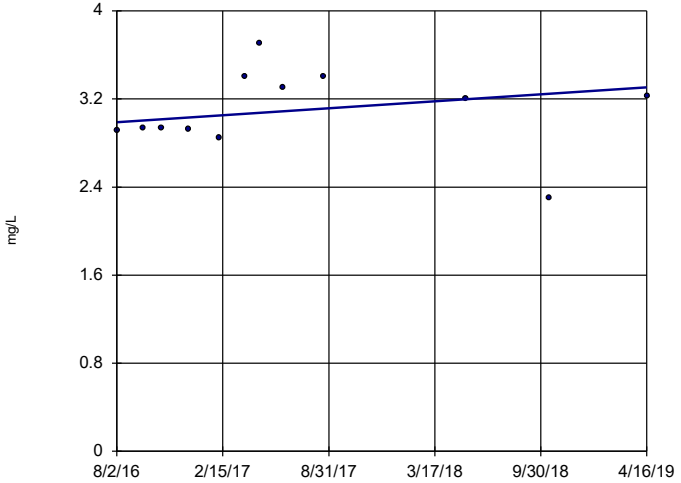
Mann-Kendall statistic = 143
critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = 0.1178 units per year.

Mann-Kendall statistic = 10 critical = 38

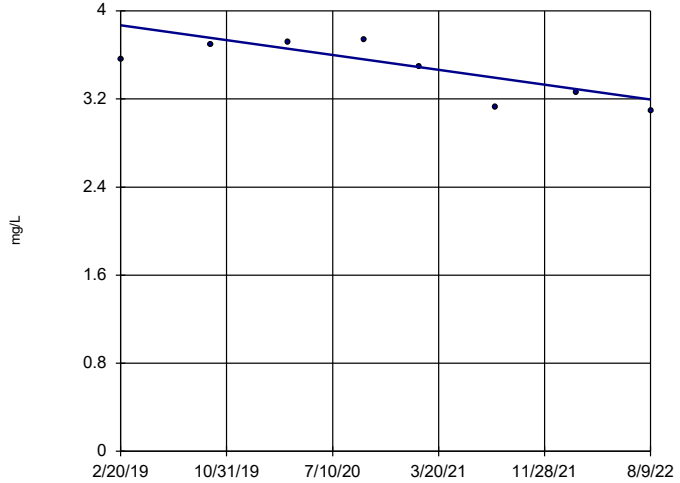
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = -0.1941 units per year.

Mann-Kendall statistic = -14 critical = -21

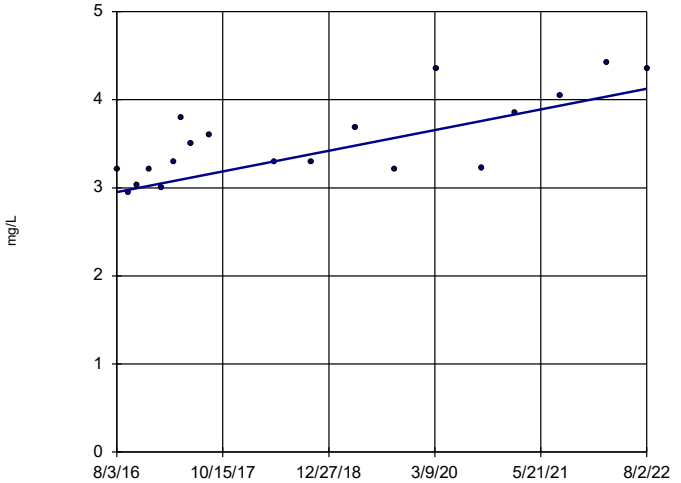
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = 0.1958 units per year.

Mann-Kendall statistic = 100 critical = 74

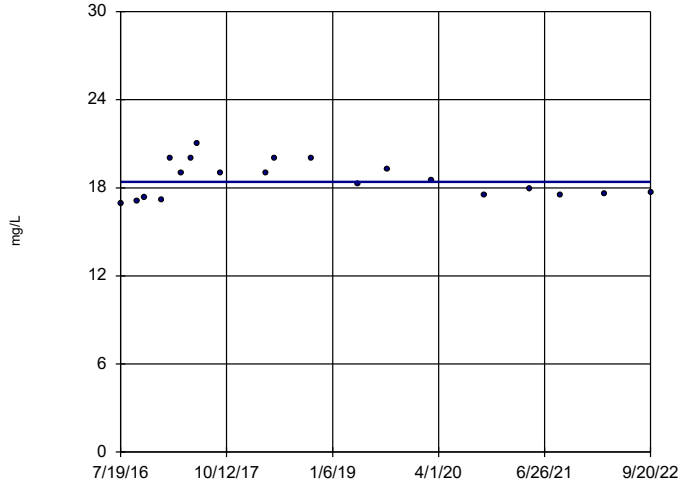
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-15



n = 20

Slope = 0 units per year.

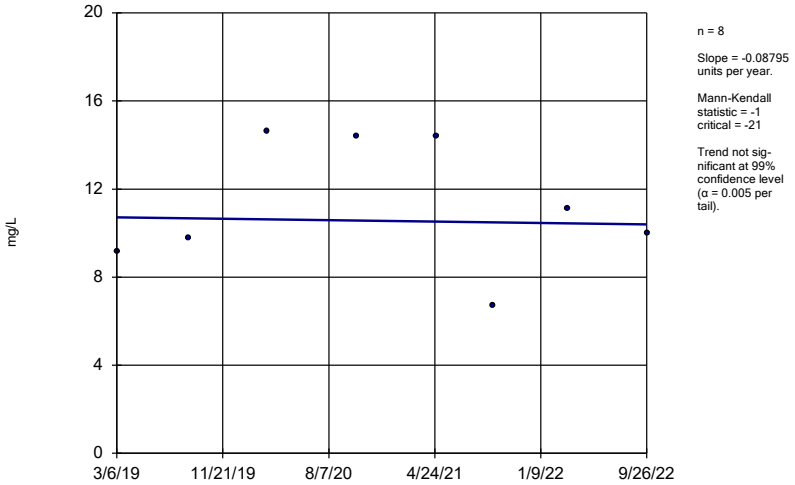
Mann-Kendall statistic = 0 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = -0.08795 units per year.

Mann-Kendall statistic = -1
critical = -21

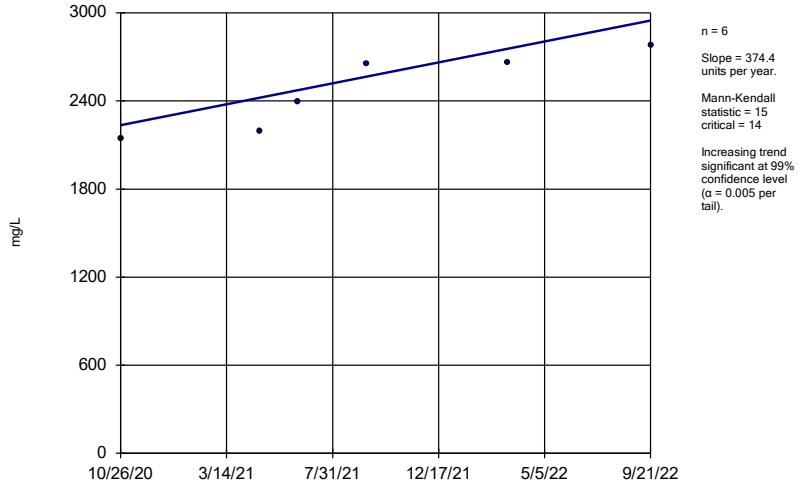
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = 374.4 units per year.

Mann-Kendall statistic = 15
critical = 14

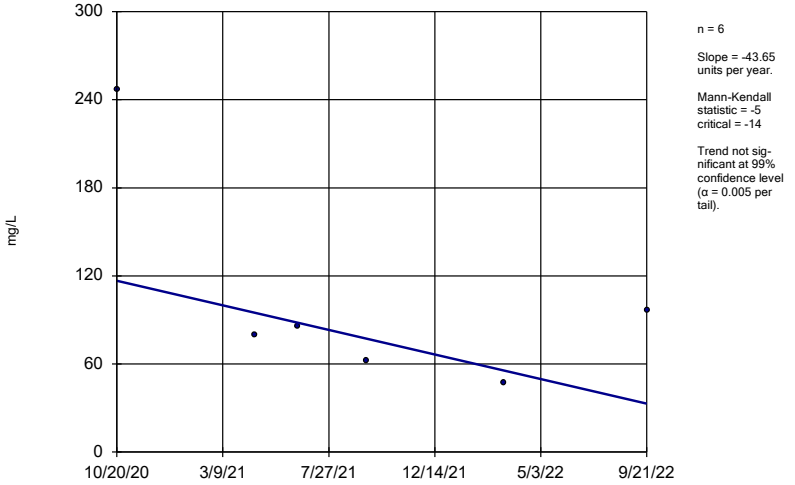
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = -43.65 units per year.

Mann-Kendall statistic = -5
critical = -14

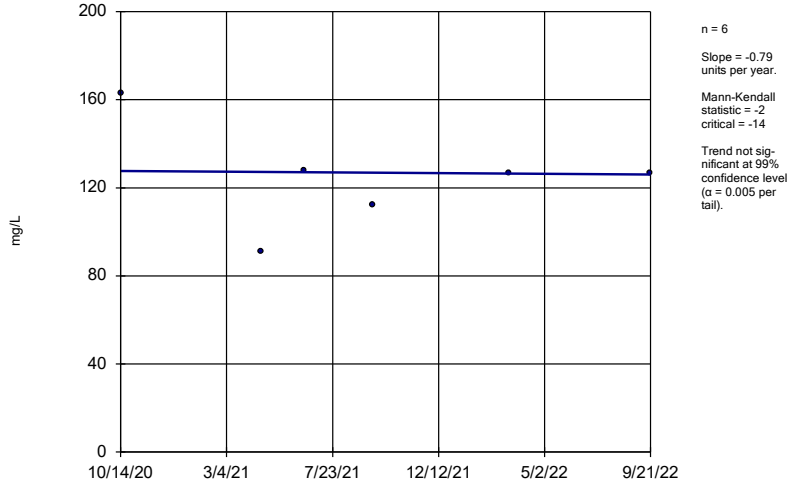
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22S (bg)



n = 6

Slope = -0.79 units per year.

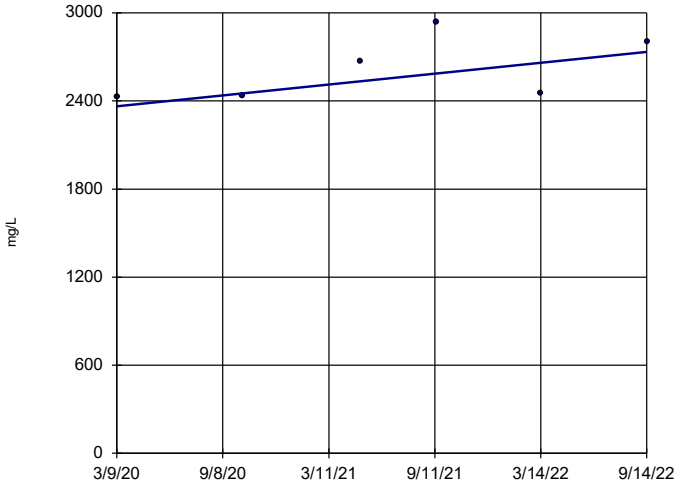
Mann-Kendall statistic = -2
critical = -14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:16 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-23 (bg)



n = 6

Slope = 147 units per year.

Mann-Kendall statistic = 9
critical = 14

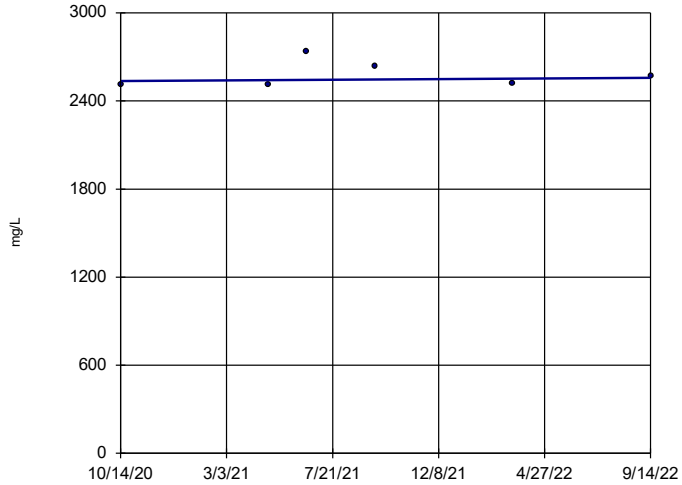
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23A (bg)



n = 6

Slope = 11.3 units per year.

Mann-Kendall statistic = 4
critical = 14

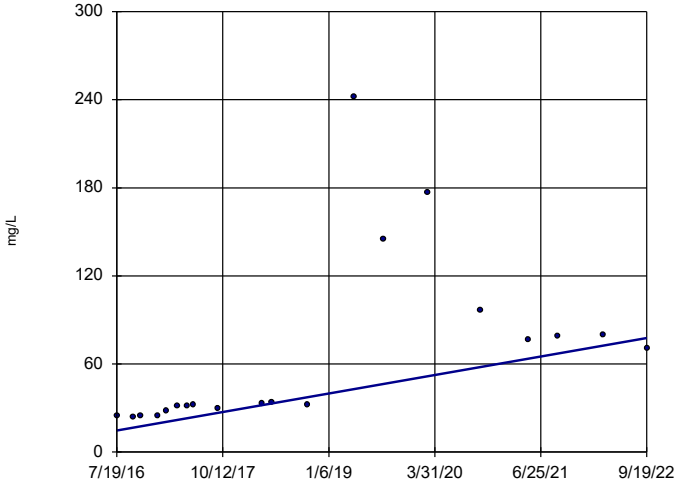
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 20

Slope = 10.22 units per year.

Mann-Kendall statistic = 122
critical = 81

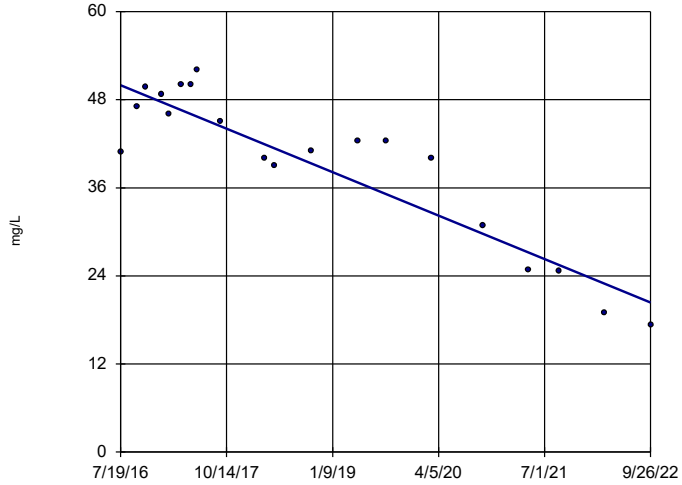
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-4



n = 20

Slope = -4.781 units per year.

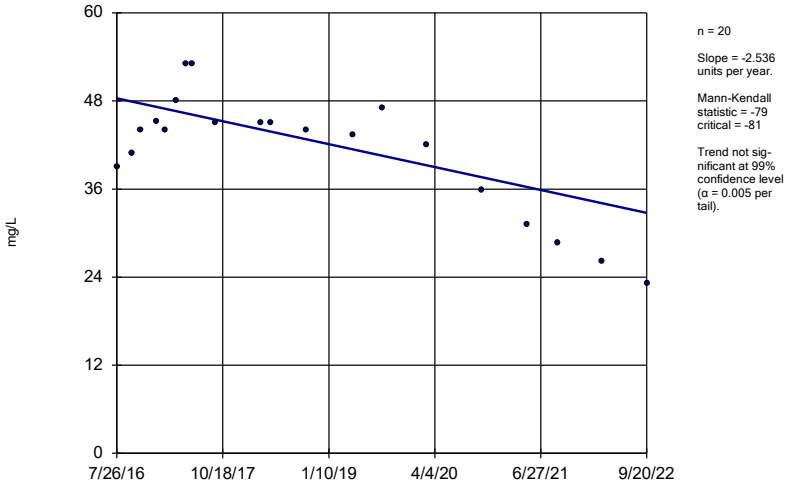
Mann-Kendall statistic = -115
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-5



n = 20

Slope = -2.536 units per year.

Mann-Kendall statistic = -79
critical = -81

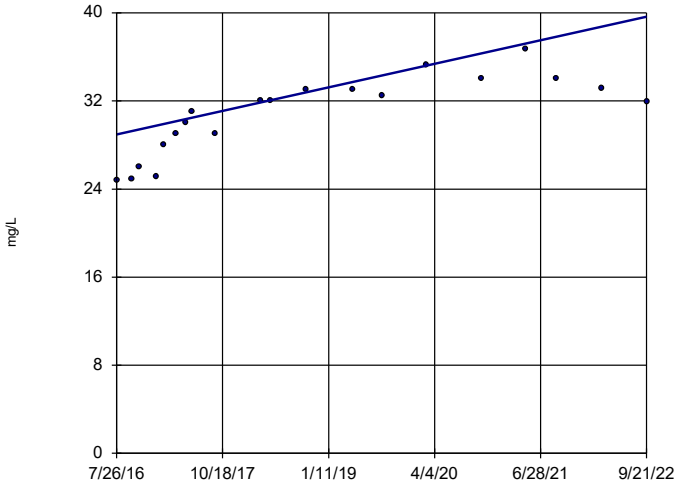
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-6



n = 20

Slope = 1.739 units per year.

Mann-Kendall statistic = 142
critical = 81

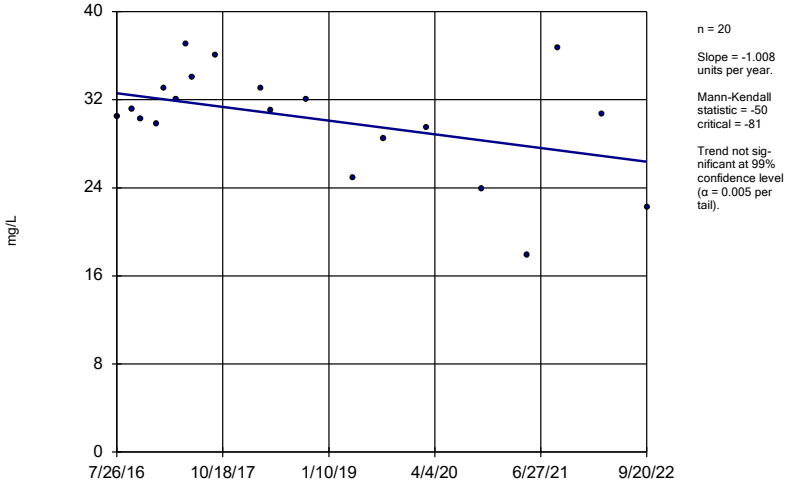
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 20

Slope = -1.008 units per year.

Mann-Kendall statistic = -50
critical = -81

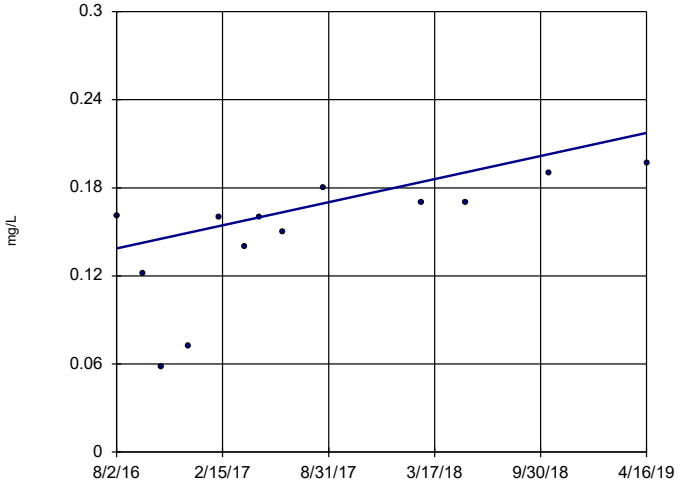
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 13

Slope = 0.02914 units per year.

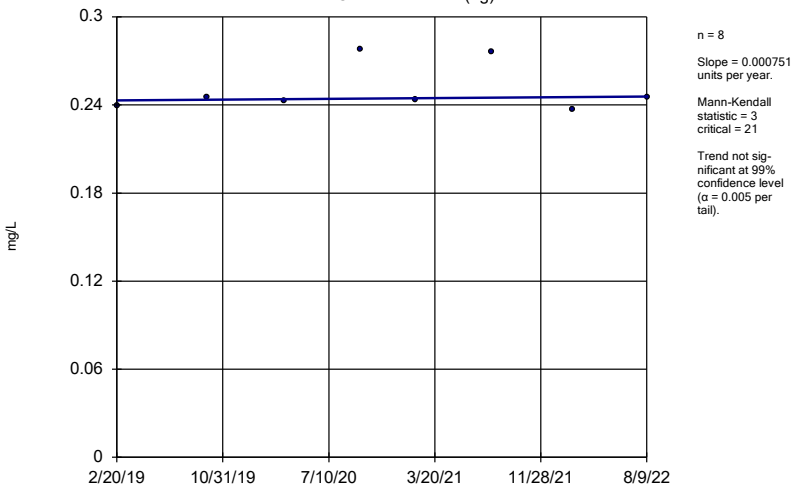
Mann-Kendall statistic = 48
critical = 43

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = 0.000751 units per year.

Mann-Kendall statistic = 3 critical = 21

Trend not significant at 99% confidence level (α = 0.005 per tail).

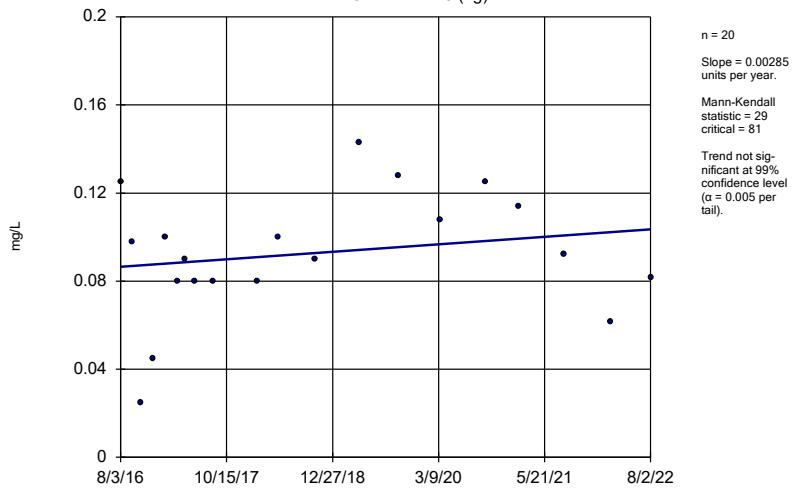
Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 20

Slope = 0.00285 units per year.

Mann-Kendall statistic = 29 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

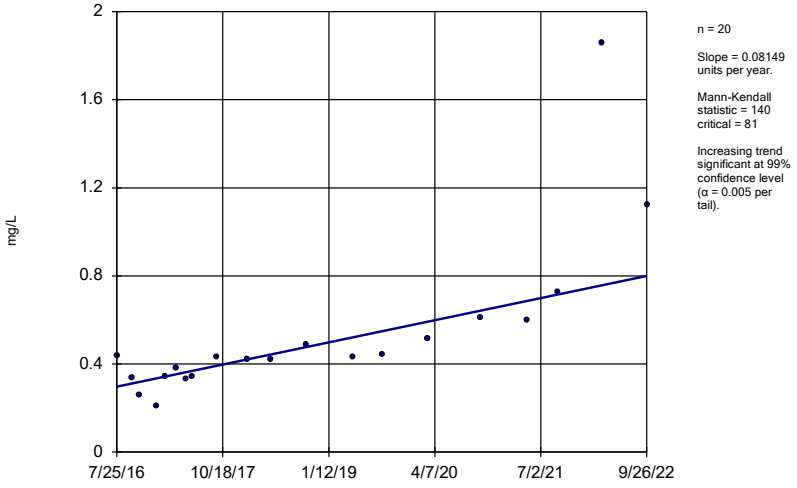
Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-10



n = 20

Slope = 0.08149 units per year.

Mann-Kendall statistic = 140 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

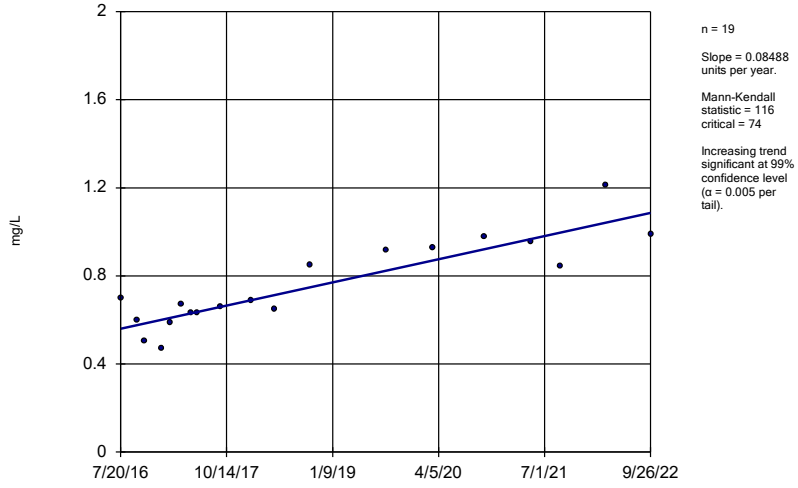
Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-12



n = 19

Slope = 0.08488 units per year.

Mann-Kendall statistic = 116 critical = 74

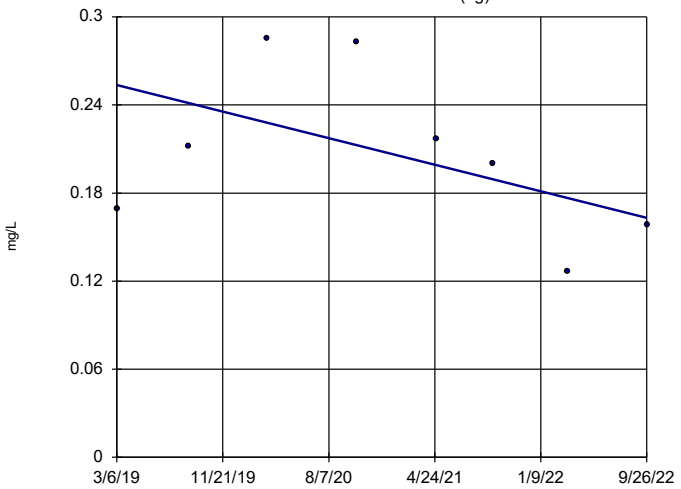
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = -0.0254 units per year.

Mann-Kendall statistic = -10
critical = -21

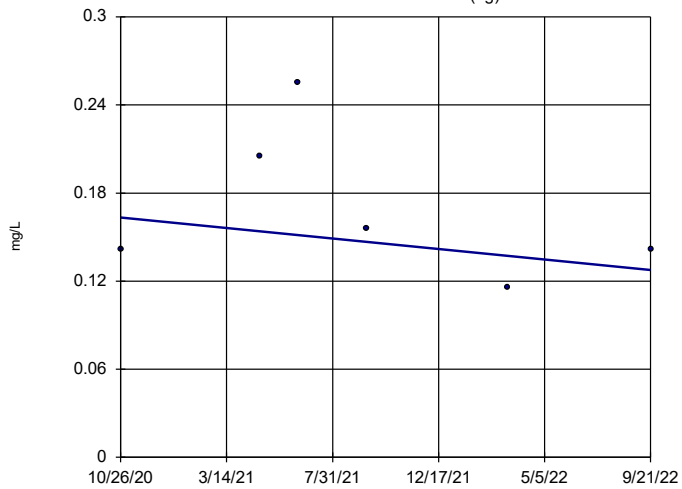
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = -0.01872 units per year.

Mann-Kendall statistic = -4
critical = -14

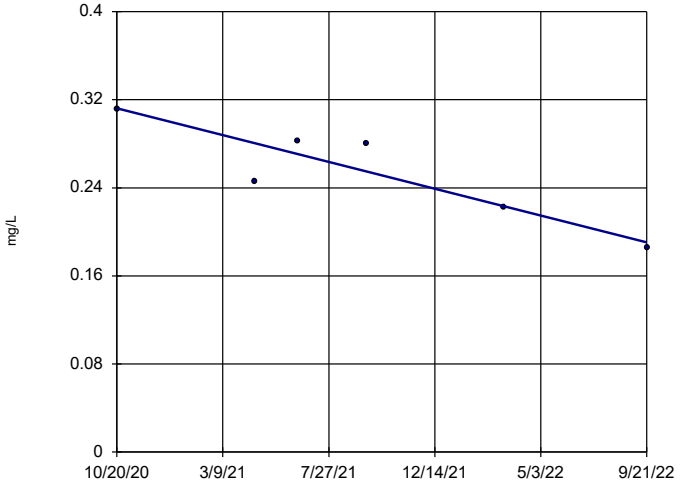
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = -0.06345 units per year.

Mann-Kendall statistic = -11
critical = -14

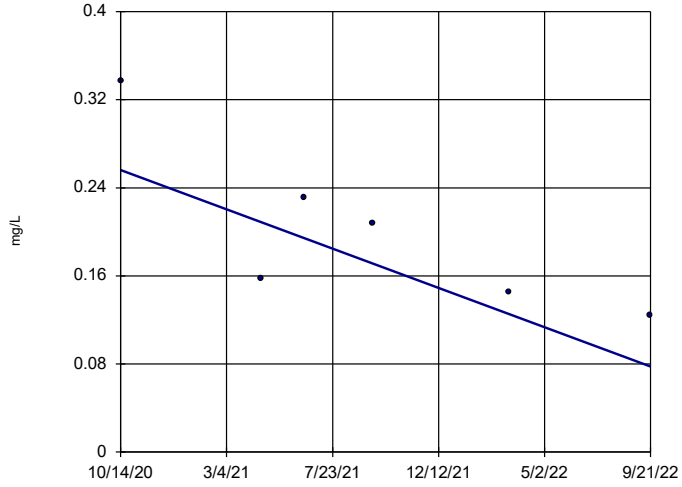
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22S (bg)



n = 6

Slope = -0.09225 units per year.

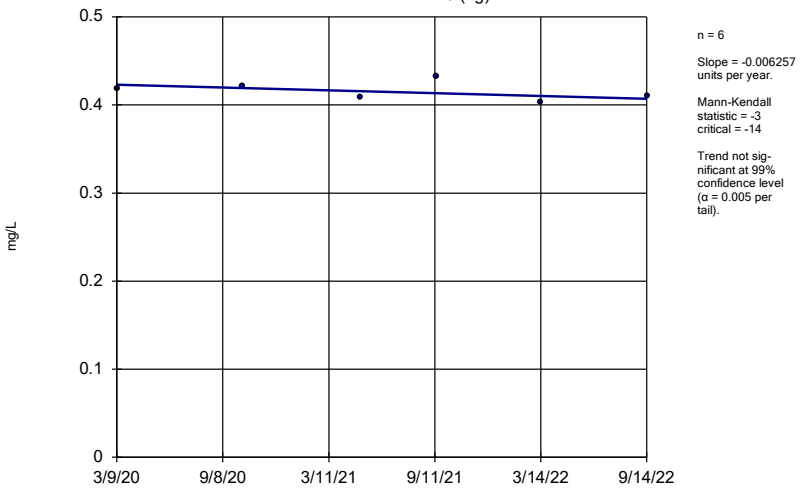
Mann-Kendall statistic = -11
critical = -14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-23 (bg)



n = 6

Slope = -0.006257 units per year.

Mann-Kendall statistic = -3
critical = -14

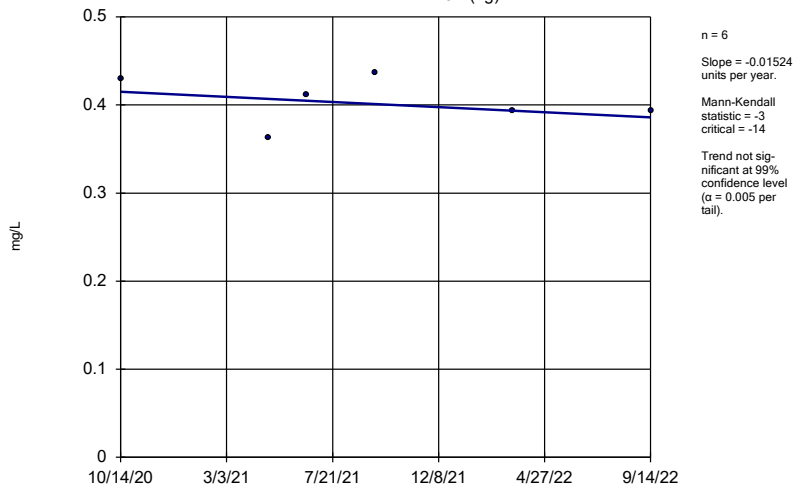
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23A (bg)



n = 6

Slope = -0.01524 units per year.

Mann-Kendall statistic = -3
critical = -14

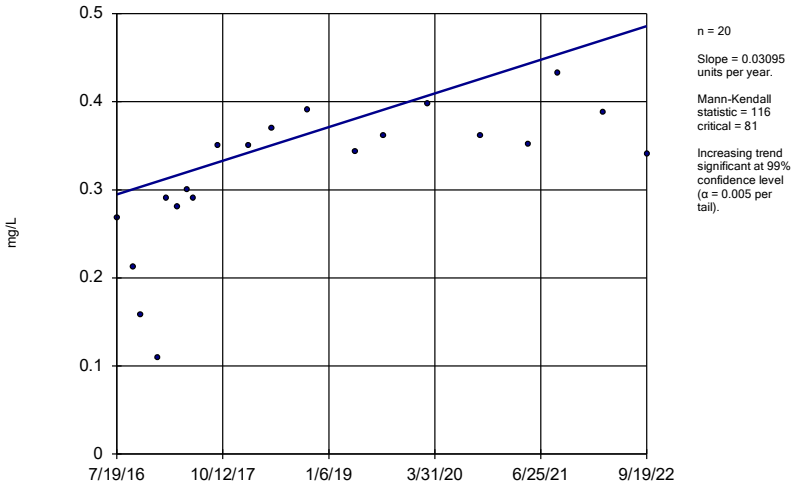
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-3D



n = 20

Slope = 0.03095 units per year.

Mann-Kendall statistic = 116
critical = 81

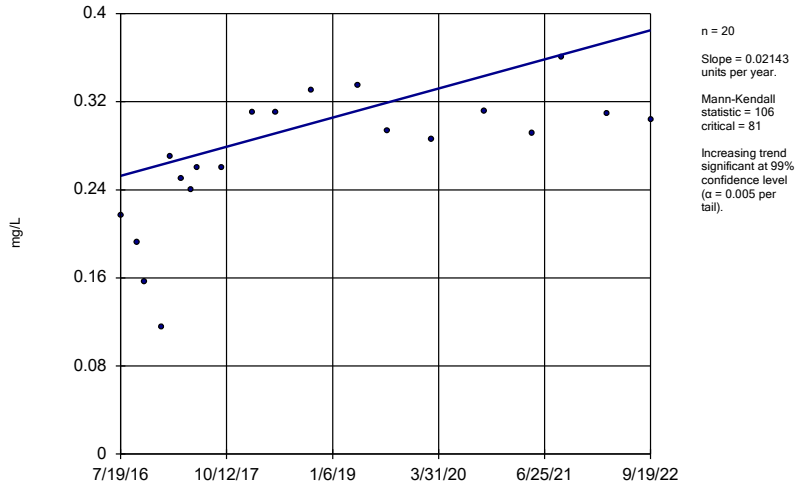
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 20

Slope = 0.02143 units per year.

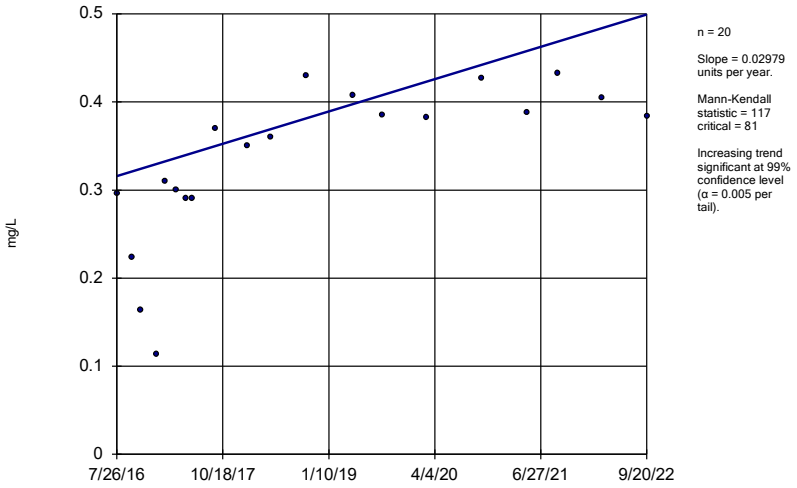
Mann-Kendall statistic = 106
critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-5



n = 20

Slope = 0.02979 units per year.

Mann-Kendall statistic = 117
critical = 81

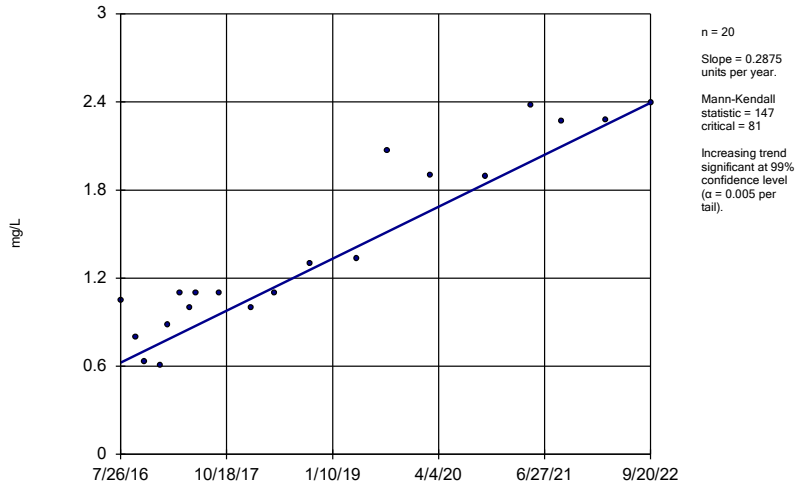
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-PZ-5



n = 20

Slope = 0.2875 units per year.

Mann-Kendall statistic = 147
critical = 81

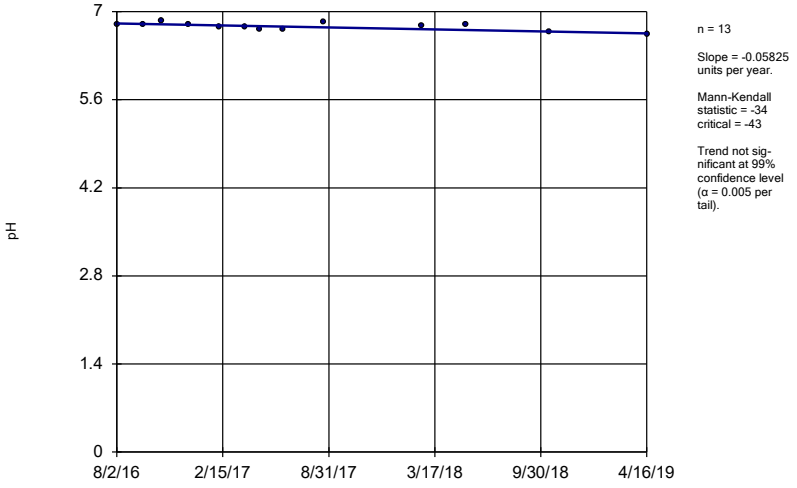
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 13

Slope = -0.05825 units per year.

Mann-Kendall statistic = -34
critical = -43

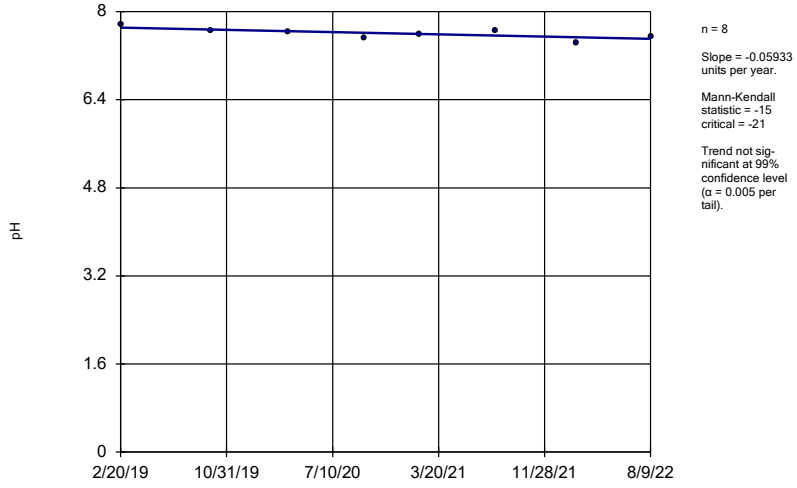
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = -0.05933 units per year.

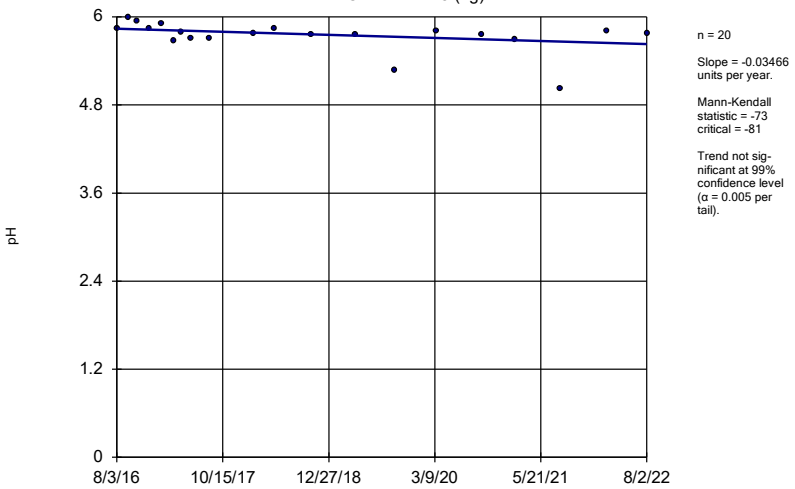
Mann-Kendall statistic = -15
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 20

Slope = -0.03466 units per year.

Mann-Kendall statistic = -73
critical = -81

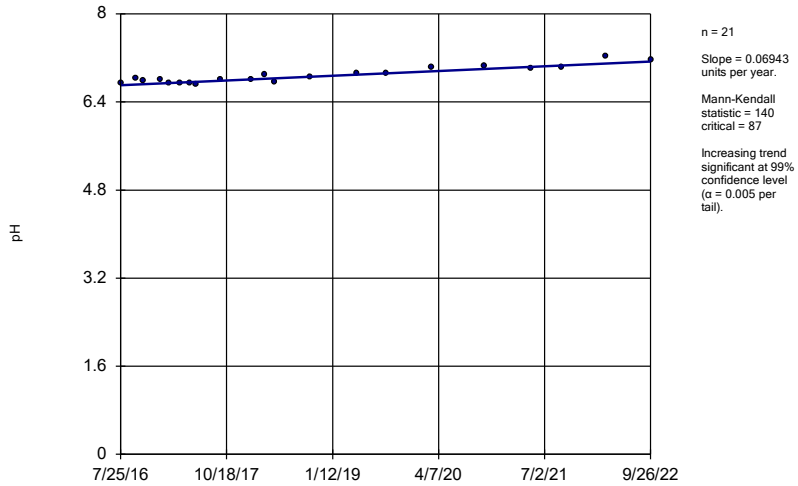
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-10



n = 21

Slope = 0.06943 units per year.

Mann-Kendall statistic = 140
critical = 87

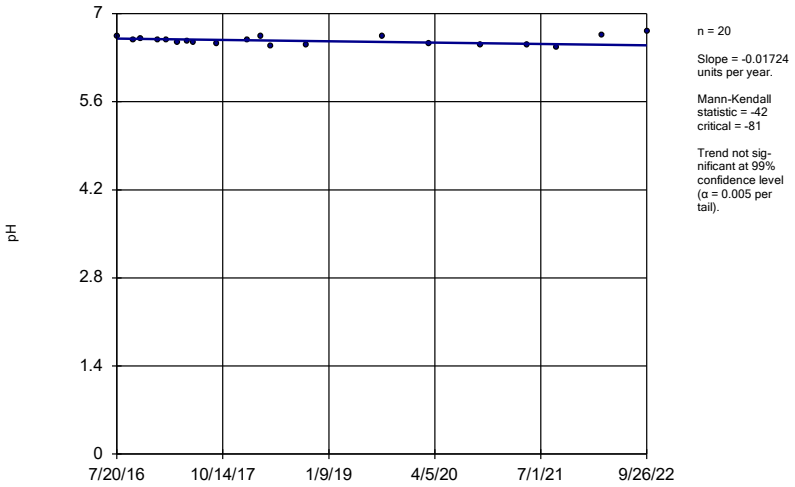
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-12



n = 20

Slope = -0.01724 units per year.

Mann-Kendall statistic = -42
critical = -81

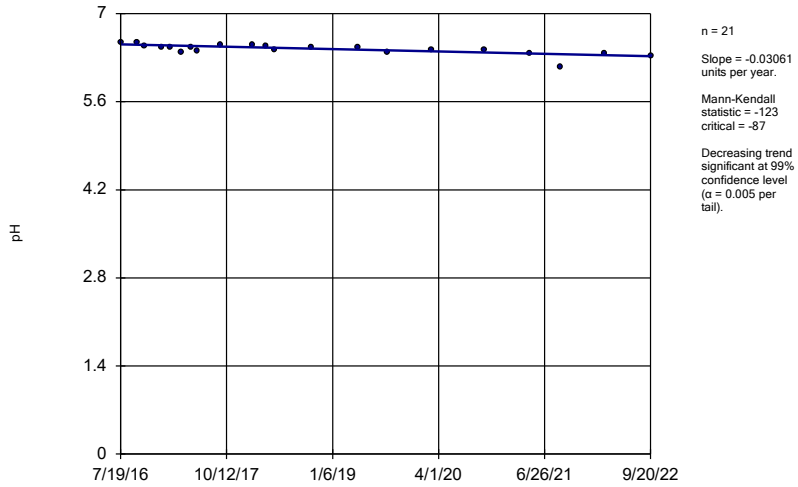
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-15



n = 21

Slope = -0.03061 units per year.

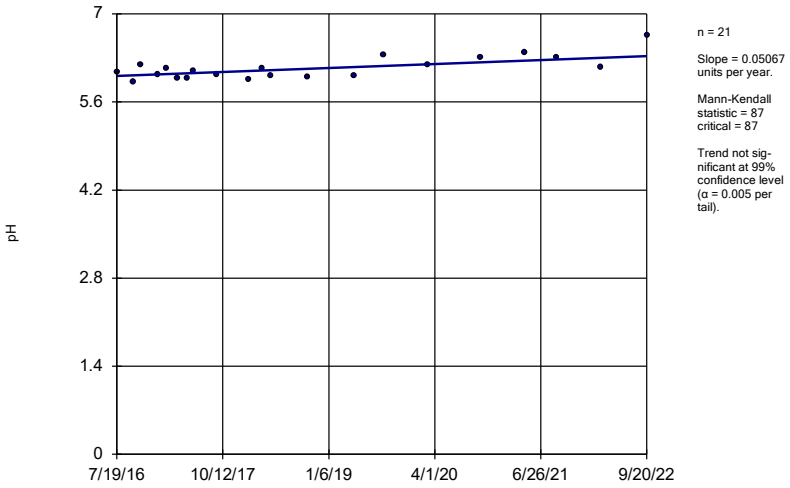
Mann-Kendall statistic = -123
critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-16



n = 21

Slope = 0.05067 units per year.

Mann-Kendall statistic = 87
critical = 87

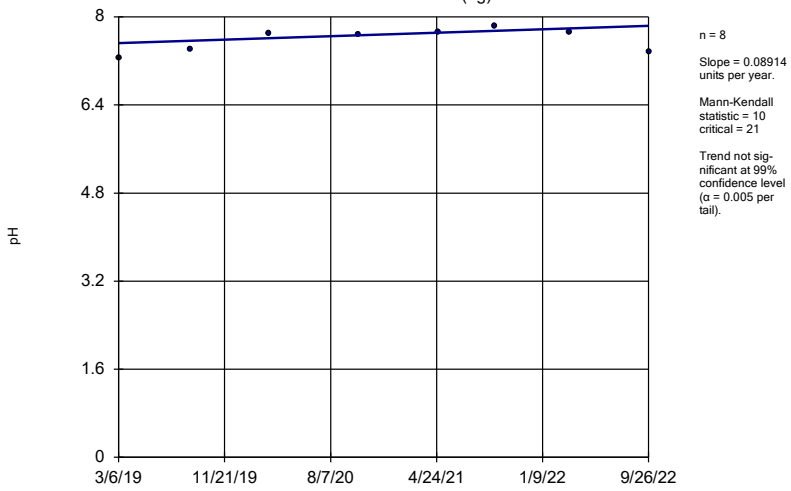
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = 0.08914 units per year.

Mann-Kendall statistic = 10
critical = 21

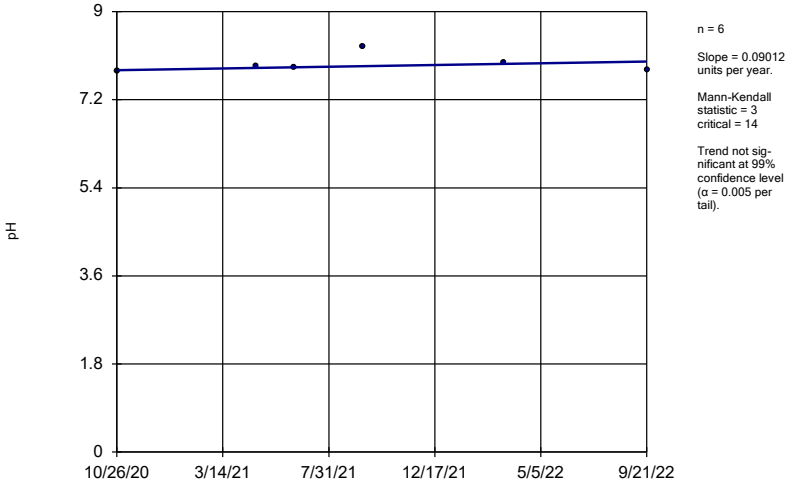
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = 0.09012 units per year.

Mann-Kendall statistic = 3
critical = 14

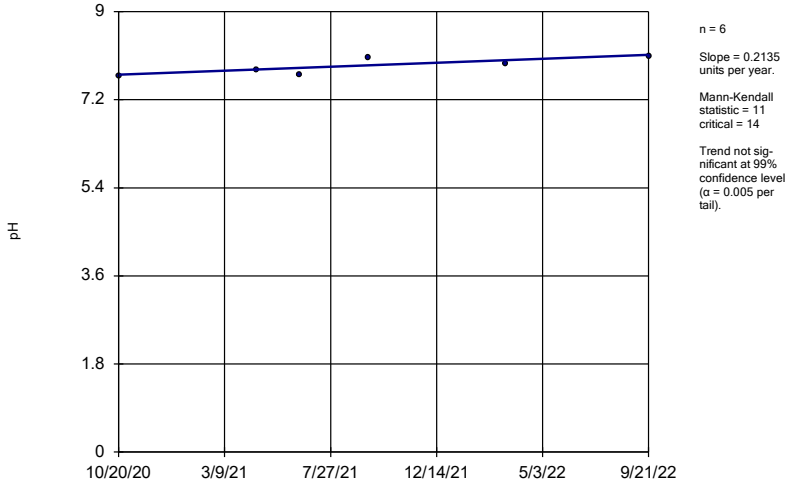
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = 0.2135 units per year.

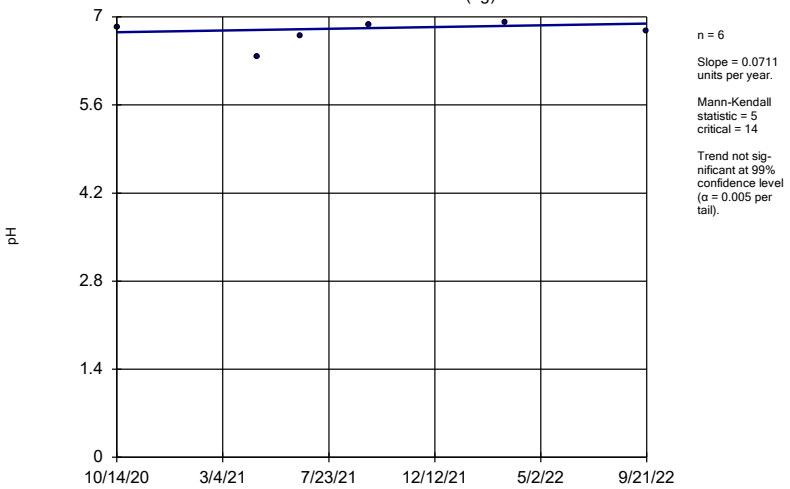
Mann-Kendall statistic = 11
critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-22S (bg)



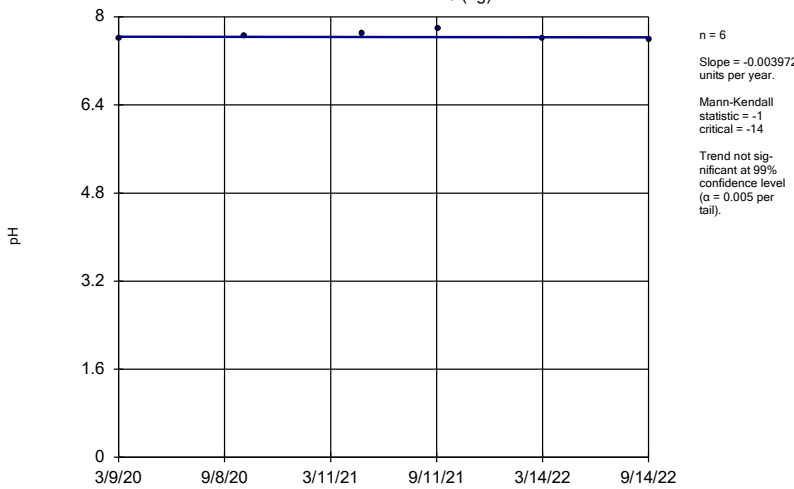
Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23 (bg)



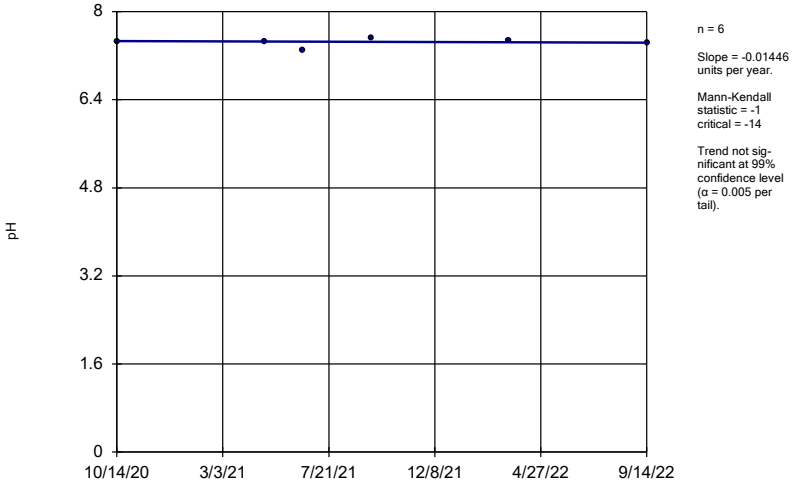
Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23A (bg)



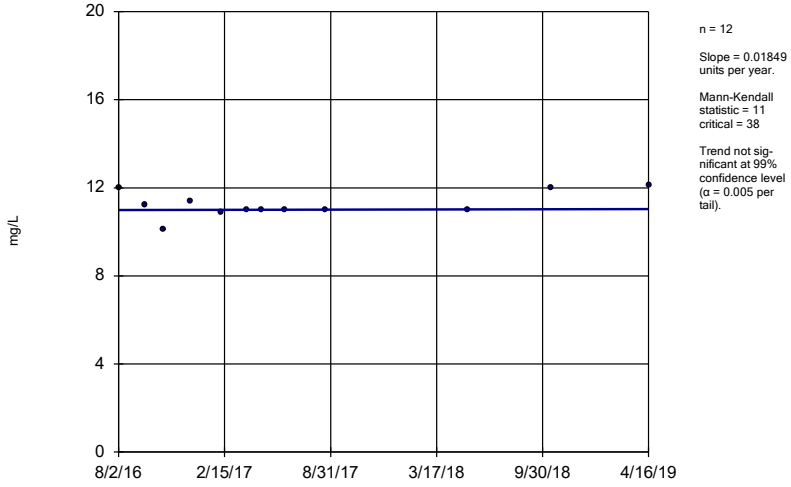
Constituent: pH, Field Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-13 (bg)

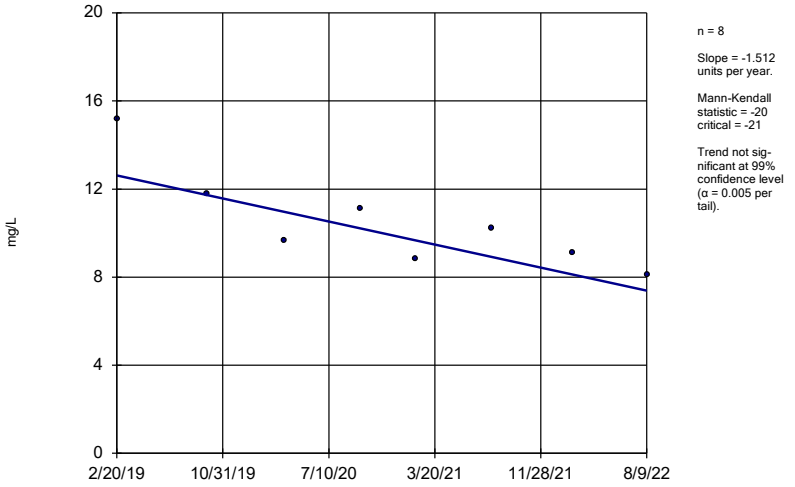


Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = -1.512 units per year.

Mann-Kendall statistic = -20 critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

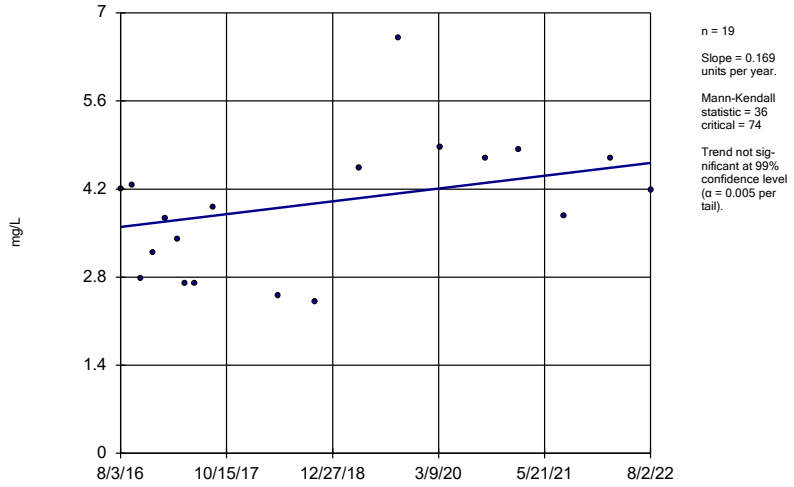
Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = 0.169 units per year.

Mann-Kendall statistic = 36 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

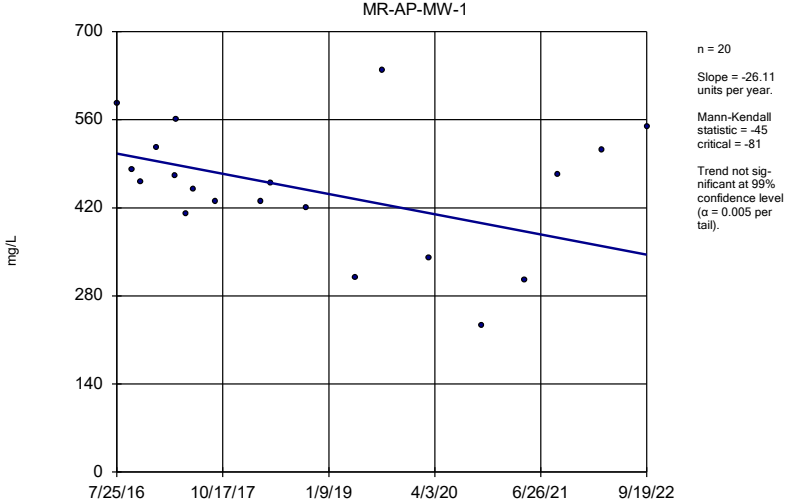
Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-1



n = 20

Slope = -26.11 units per year.

Mann-Kendall statistic = -45 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

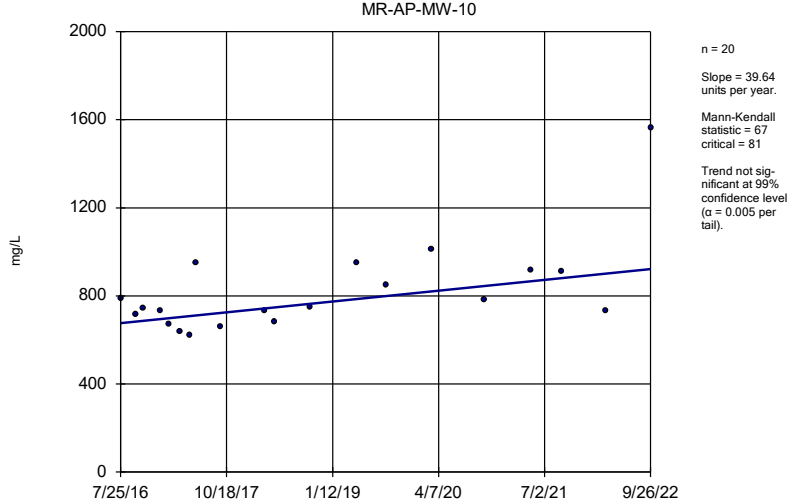
Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-10



n = 20

Slope = 39.64 units per year.

Mann-Kendall statistic = 67 critical = 81

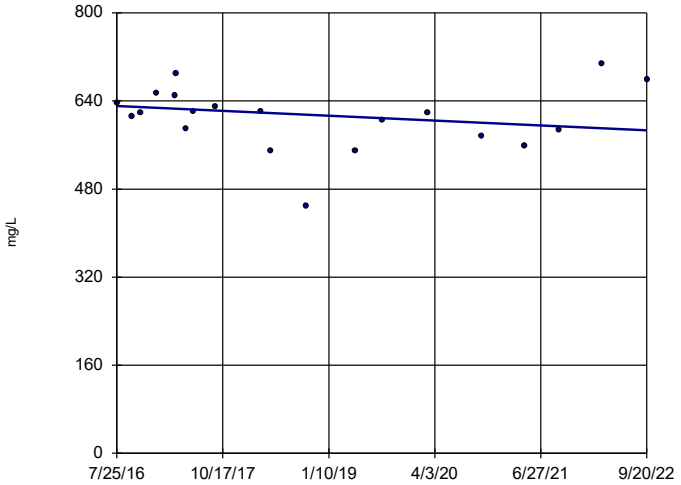
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-11



n = 20

Slope = -7.161 units per year.

Mann-Kendall statistic = -31
critical = -81

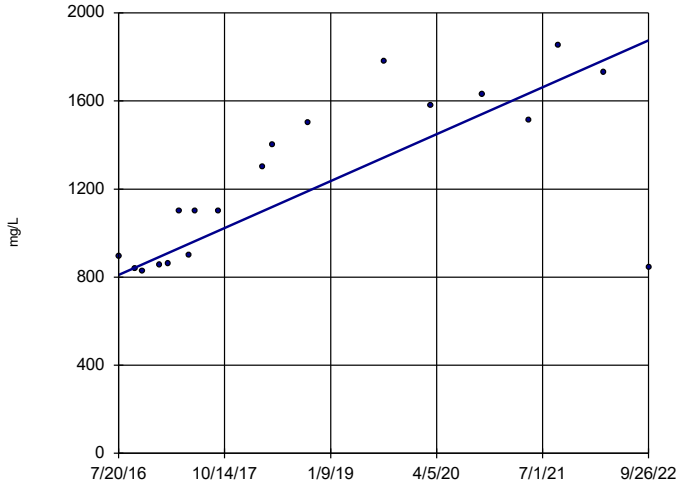
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-12



n = 19

Slope = 172.1 units per year.

Mann-Kendall statistic = 110
critical = 74

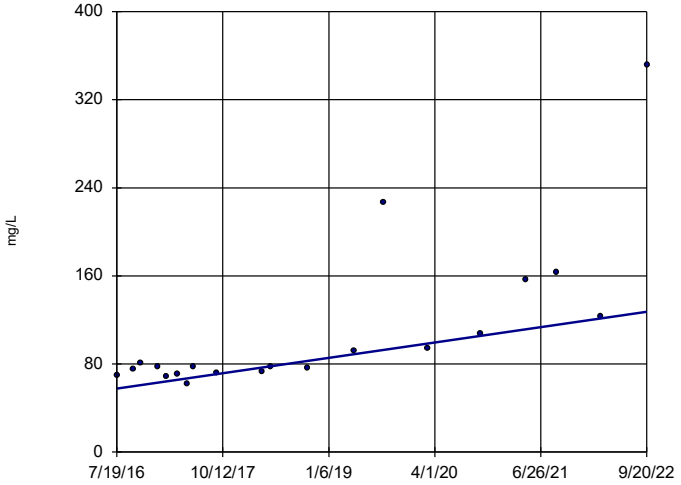
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-15



n = 20

Slope = 11.25 units per year.

Mann-Kendall statistic = 115
critical = 81

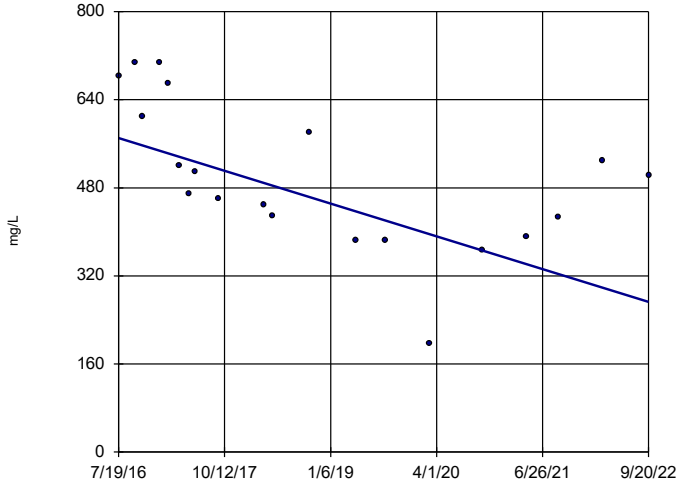
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-16



n = 20

Slope = -48.17 units per year.

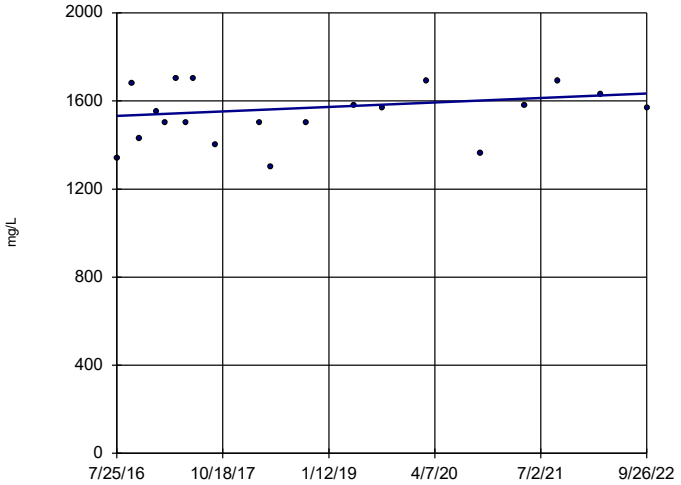
Mann-Kendall statistic = -103
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-2



n = 20

Slope = 16.46 units per year.

Mann-Kendall statistic = 34
critical = 81

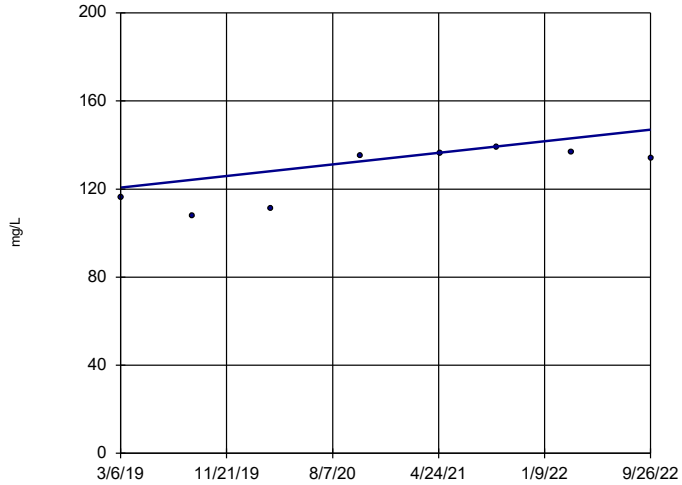
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = 7.401 units per year.

Mann-Kendall statistic = 14
critical = 21

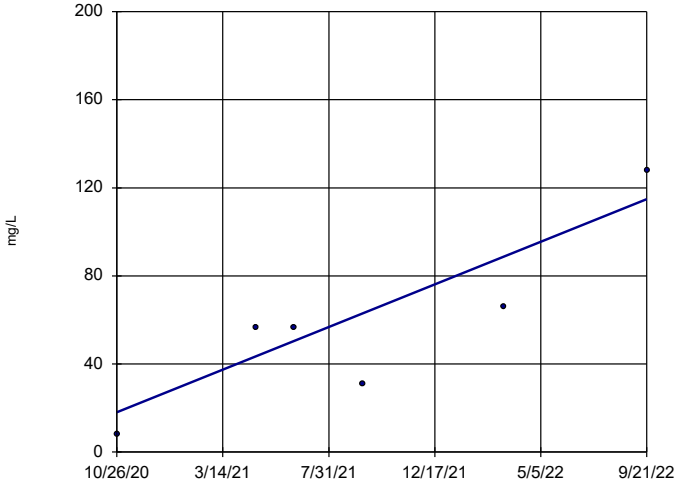
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = 50.83 units per year.

Mann-Kendall statistic = 11
critical = 14

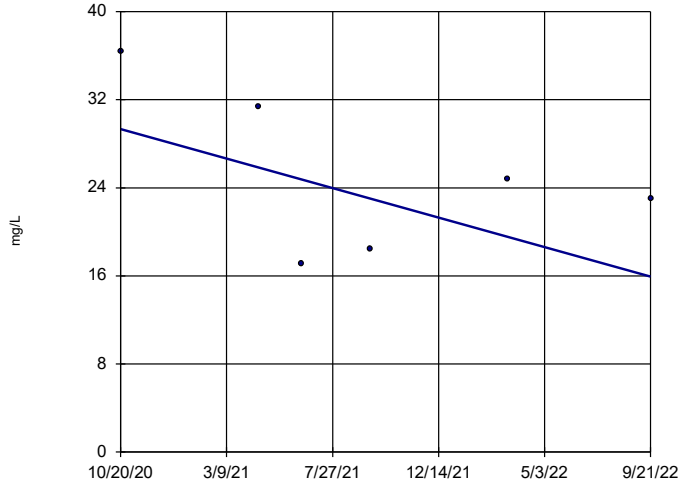
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = -6.977 units per year.

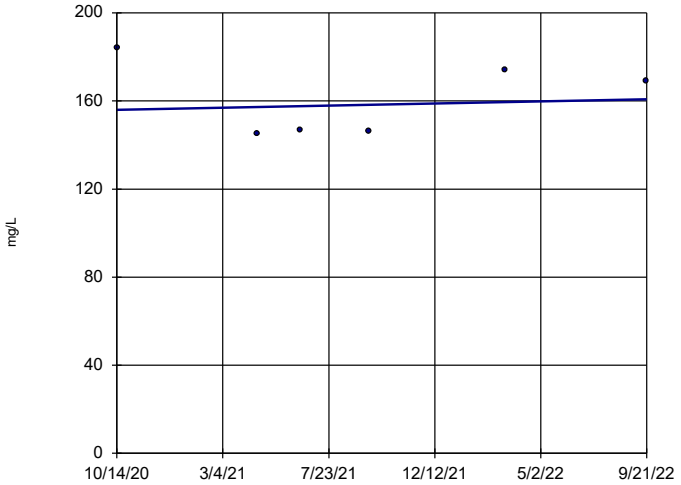
Mann-Kendall statistic = -5
critical = -14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-22S (bg)



n = 6

Slope = 2.466 units per year.

Mann-Kendall statistic = 1
critical = 14

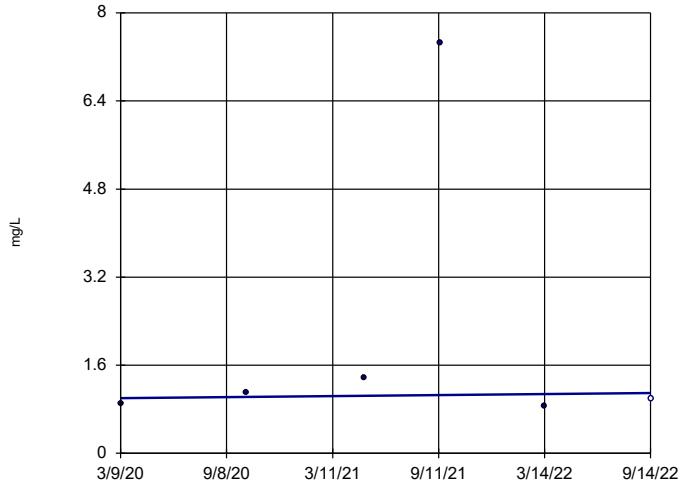
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

MR-AP-MW-23 (bg)



n = 6

Slope = 0.03654 units per year.

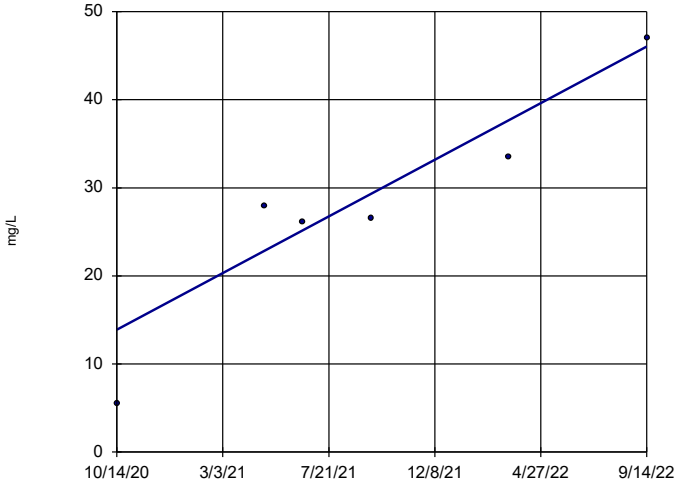
Mann-Kendall statistic = 1
critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-23A (bg)



n = 6

Slope = 16.77 units per year.

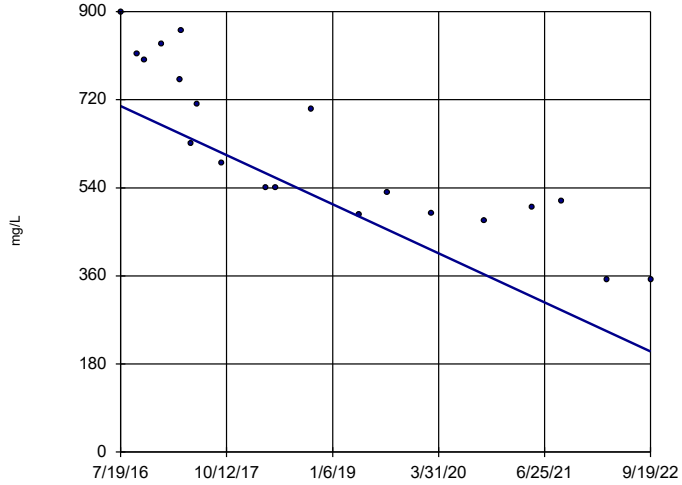
Mann-Kendall statistic = 11
critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-3D



n = 20

Slope = -81.2 units per year.

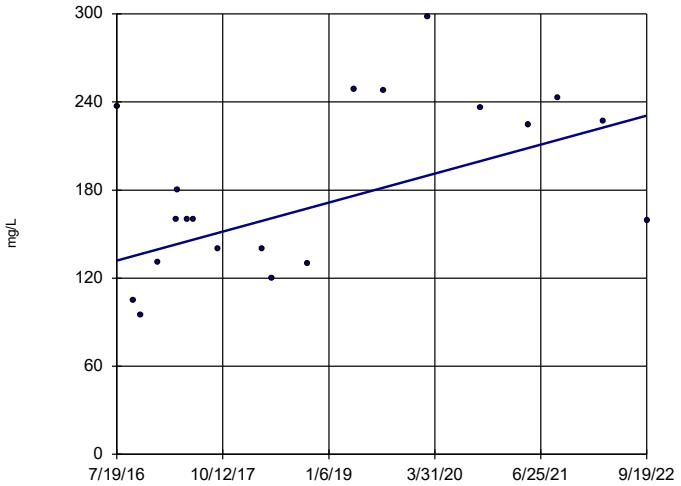
Mann-Kendall statistic = -148
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-3S



n = 20

Slope = 15.98 units per year.

Mann-Kendall statistic = 52 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

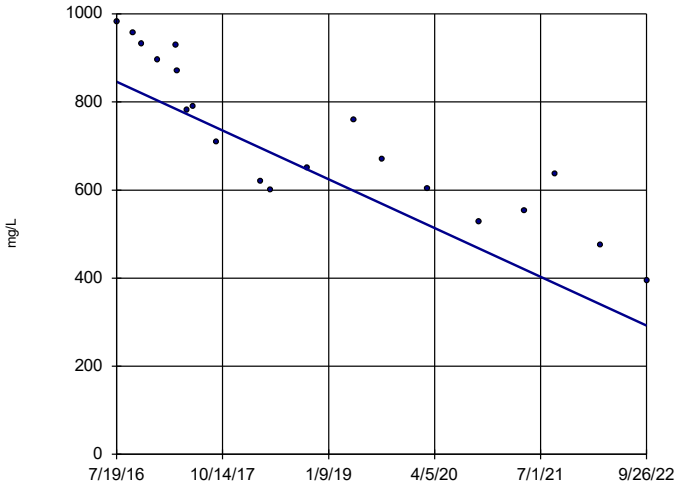
Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-4



n = 20

Slope = -89.45 units per year.

Mann-Kendall statistic = -154 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

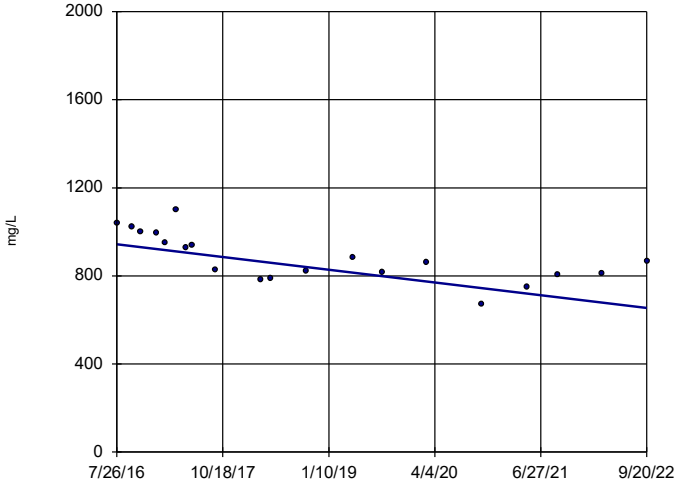
Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-5



n = 20

Slope = -46.95 units per year.

Mann-Kendall statistic = -110 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

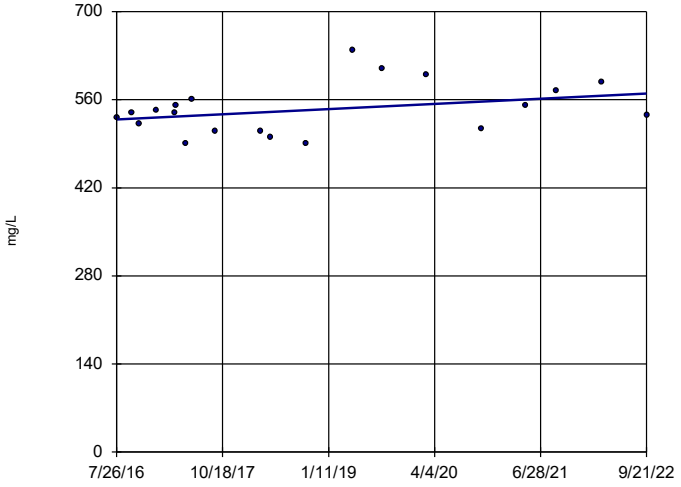
Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-6



n = 20

Slope = 6.69 units per year.

Mann-Kendall statistic = 35 critical = 81

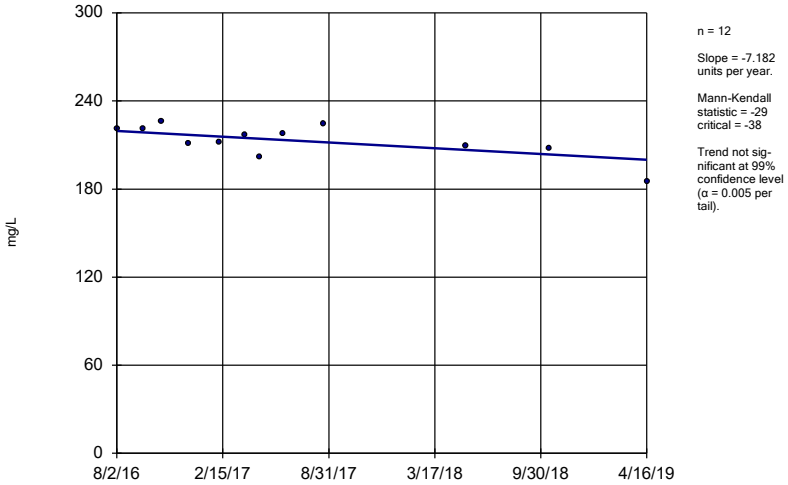
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Tests

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

GS-AP-MW-13 (bg)



n = 12

Slope = -7.182 units per year.

Mann-Kendall statistic = -29
critical = -38

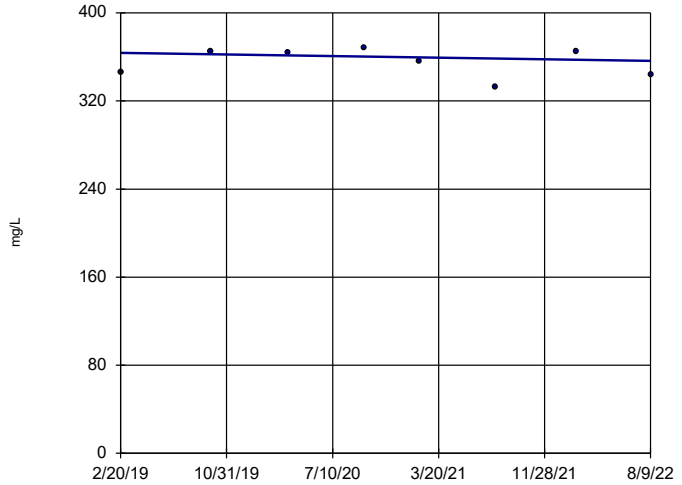
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-17V (bg)



n = 8

Slope = -2.073 units per year.

Mann-Kendall statistic = -5
critical = -21

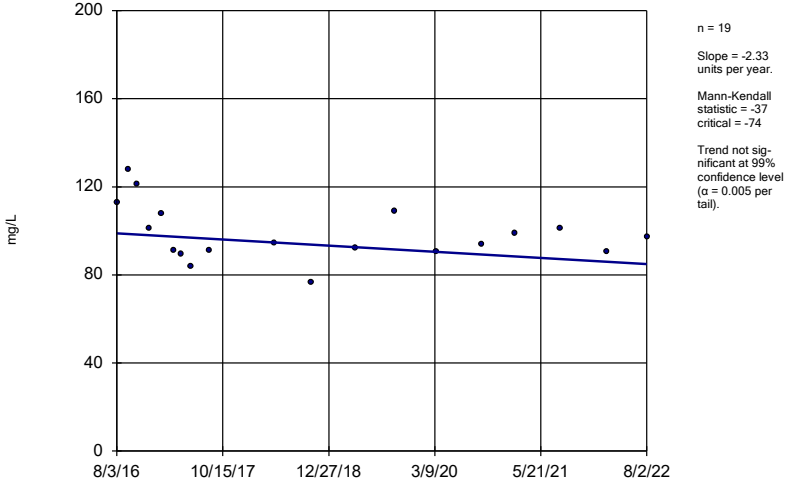
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GS-AP-MW-8 (bg)



n = 19

Slope = -2.33 units per year.

Mann-Kendall statistic = -37
critical = -74

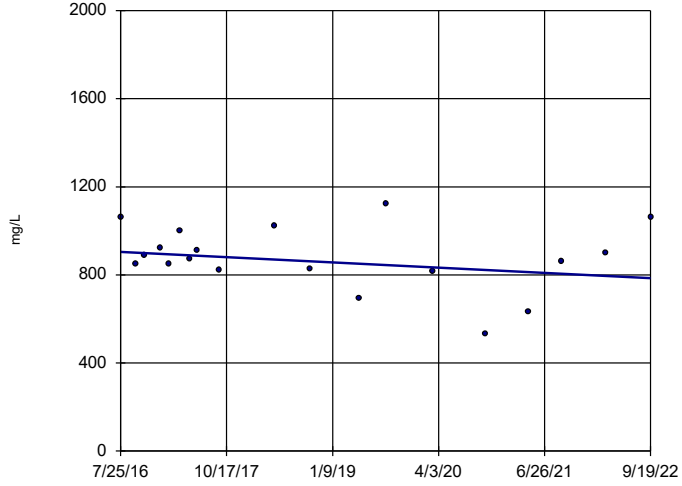
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-1



n = 19

Slope = -19.51 units per year.

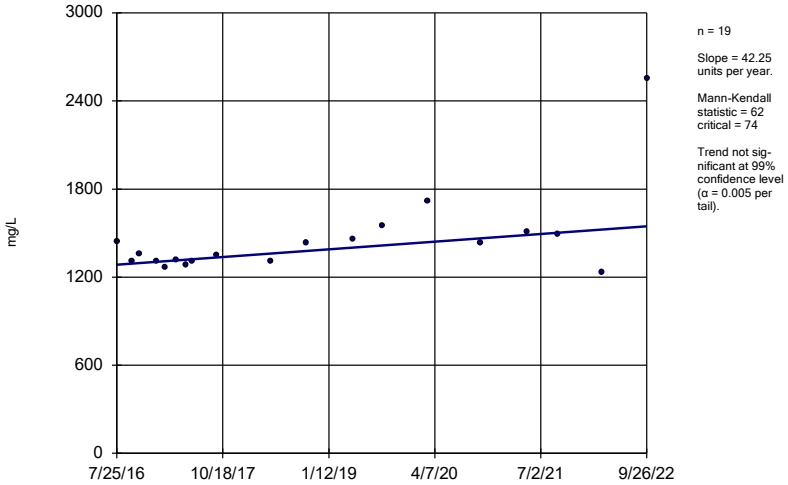
Mann-Kendall statistic = -28
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-10



n = 19

Slope = 42.25 units per year.

Mann-Kendall statistic = 62
critical = 74

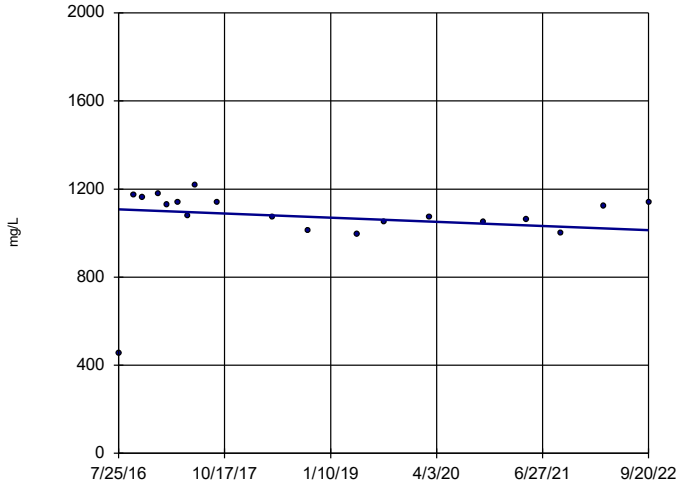
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-11



n = 19

Slope = -15.3 units per year.

Mann-Kendall statistic = -44
critical = -74

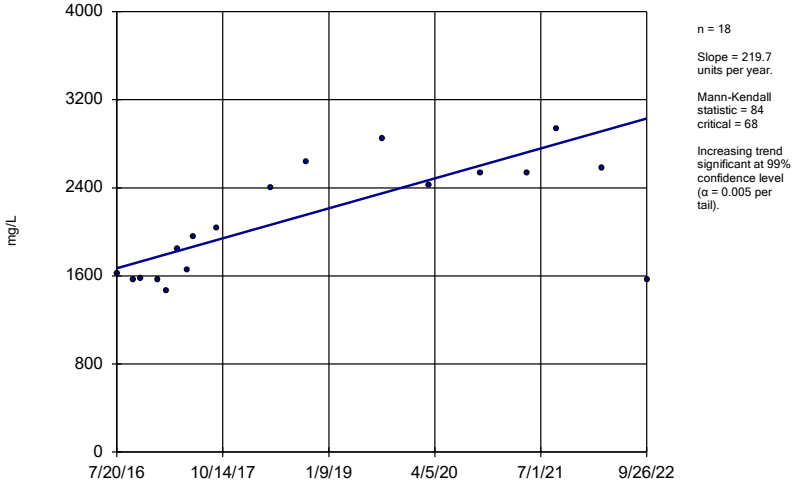
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-12



n = 18

Slope = 219.7 units per year.

Mann-Kendall statistic = 84
critical = 68

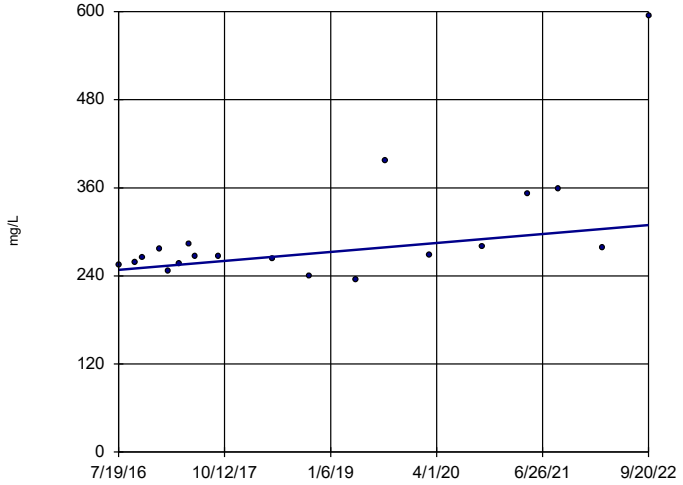
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-15



n = 19

Slope = 9.865 units per year.

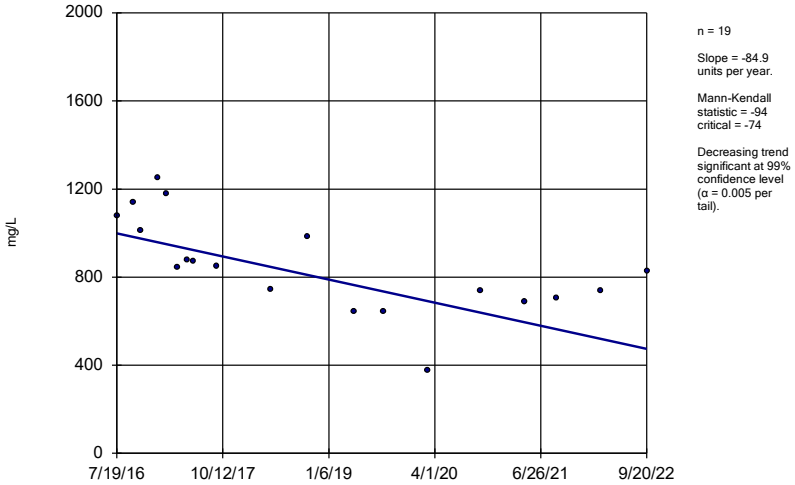
Mann-Kendall statistic = 72
critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-16



n = 19

Slope = -84.9 units per year.

Mann-Kendall statistic = -94 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

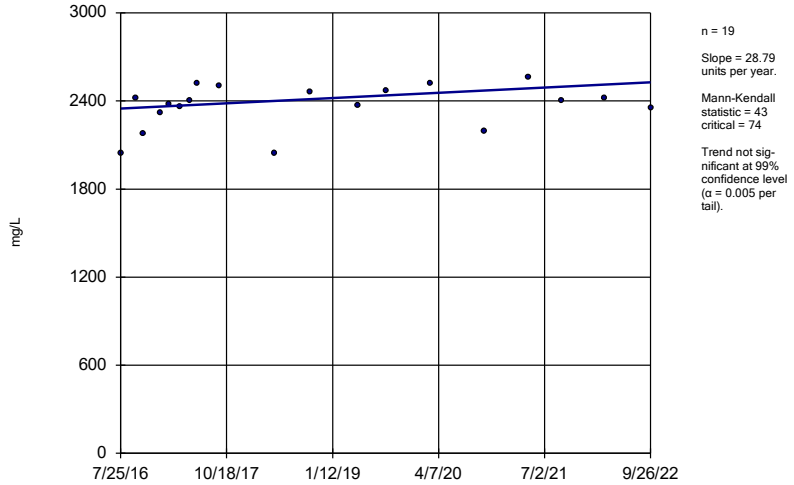
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-2



n = 19

Slope = 28.79 units per year.

Mann-Kendall statistic = 43 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

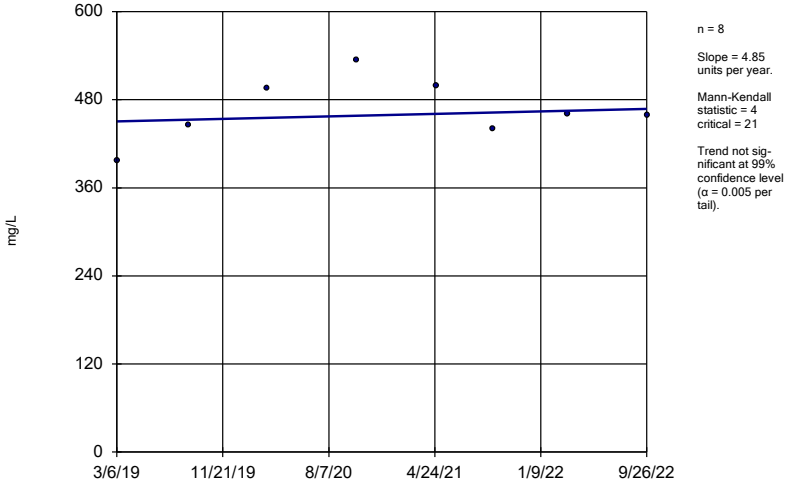
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-21 (bg)



n = 8

Slope = 4.85 units per year.

Mann-Kendall statistic = 4 critical = 21

Trend not significant at 99% confidence level (α = 0.005 per tail).

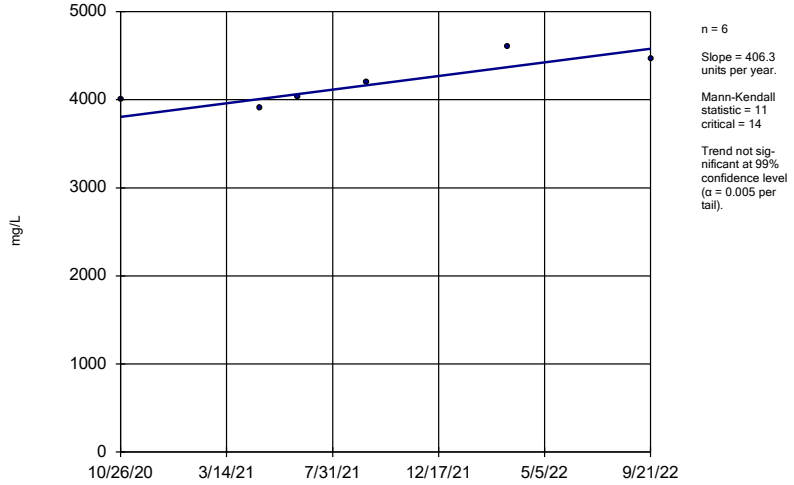
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22D (bg)



n = 6

Slope = 406.3 units per year.

Mann-Kendall statistic = 11 critical = 14

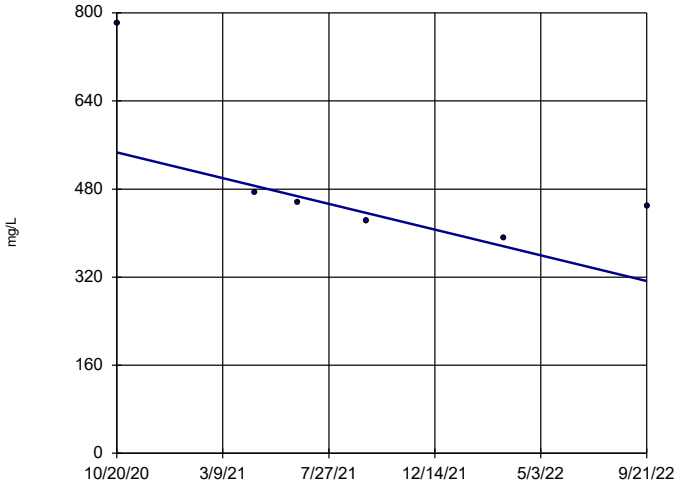
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-22I (bg)



n = 6

Slope = -121.7 units per year.

Mann-Kendall statistic = -11
critical = -14

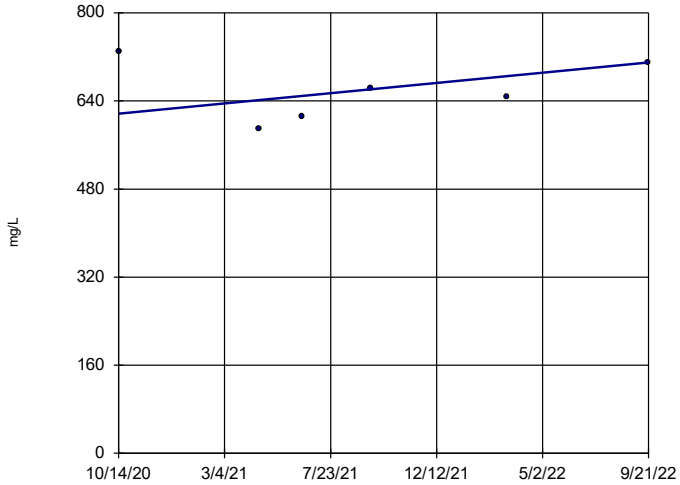
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-22S (bg)



n = 6

Slope = 48.13 units per year.

Mann-Kendall statistic = 3
critical = 14

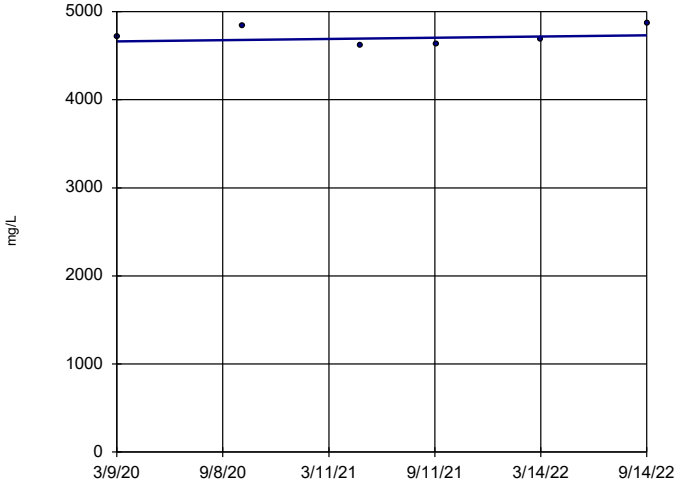
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23 (bg)



n = 6

Slope = 27.44 units per year.

Mann-Kendall statistic = 3
critical = 14

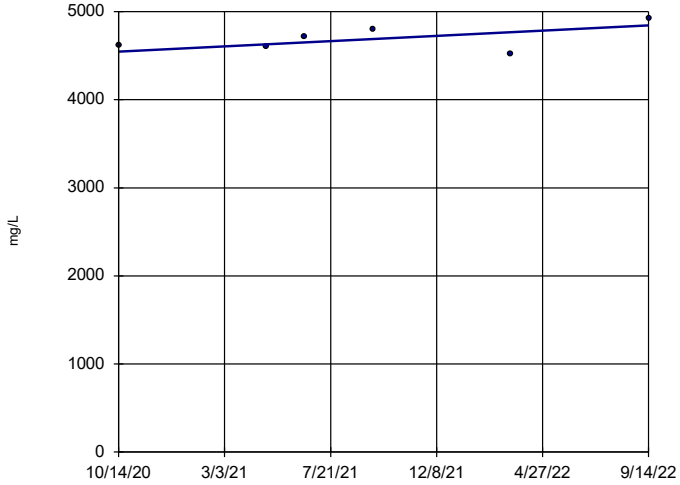
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-23A (bg)



n = 6

Slope = 156.4 units per year.

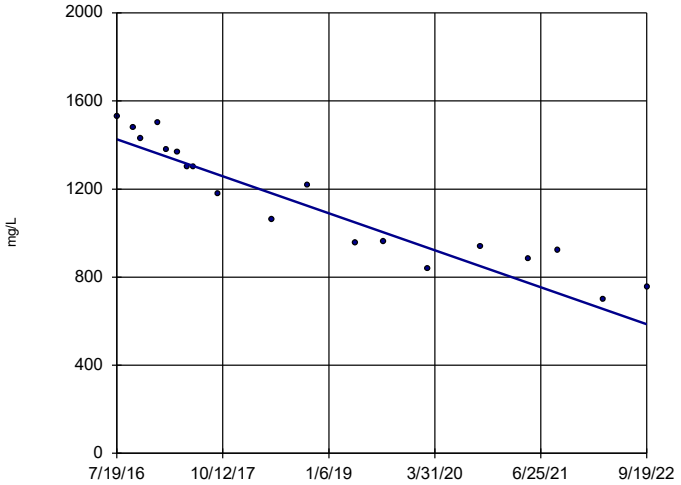
Mann-Kendall statistic = 5
critical = 14

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-3D



n = 19

Slope = -136.2 units per year.

Mann-Kendall statistic = -150 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

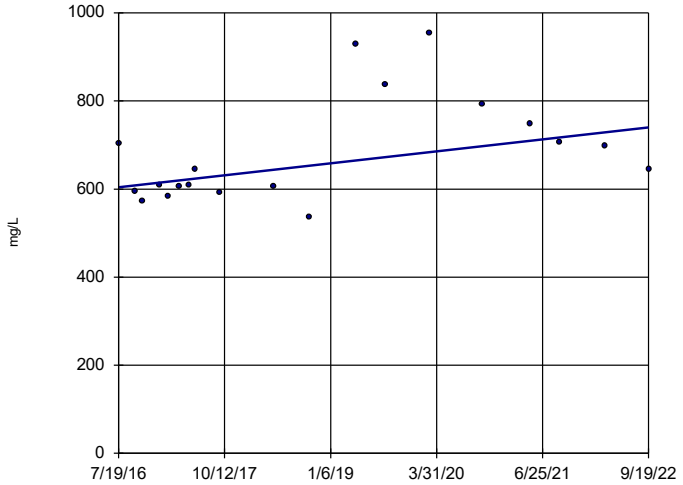
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-3S



n = 19

Slope = 22.03 units per year.

Mann-Kendall statistic = 50 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

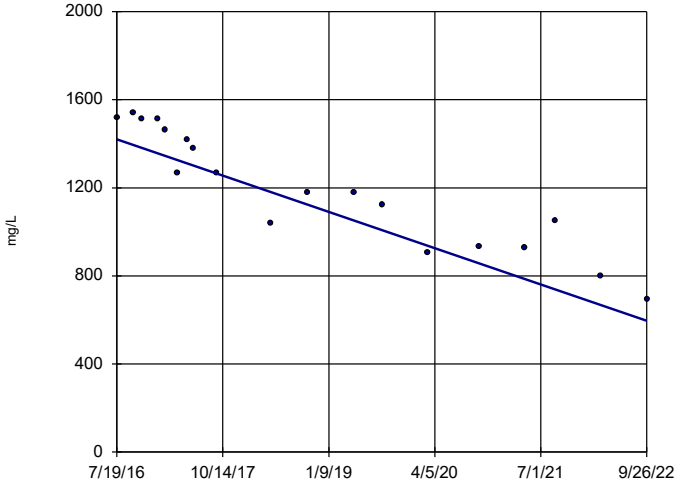
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-4



n = 19

Slope = -133.2 units per year.

Mann-Kendall statistic = -144 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

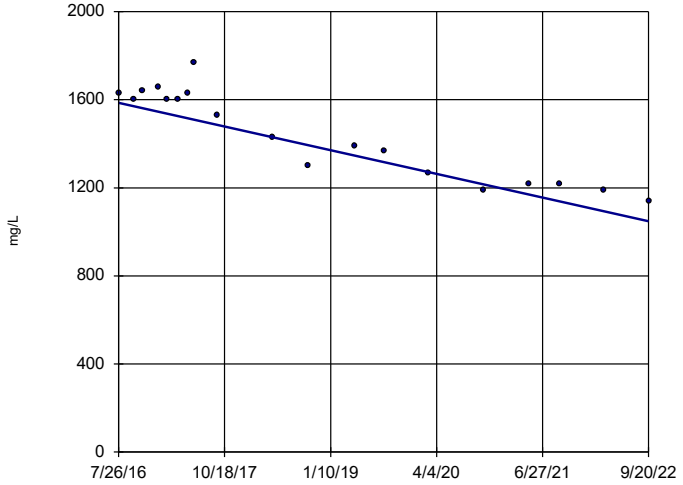
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-MW-5



n = 19

Slope = -87.51 units per year.

Mann-Kendall statistic = -127 critical = -74

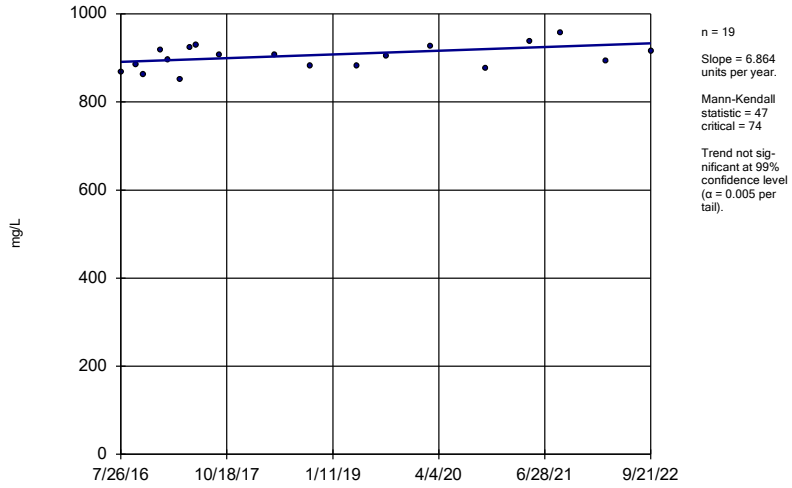
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sen's Slope Estimator

MR-AP-MW-6



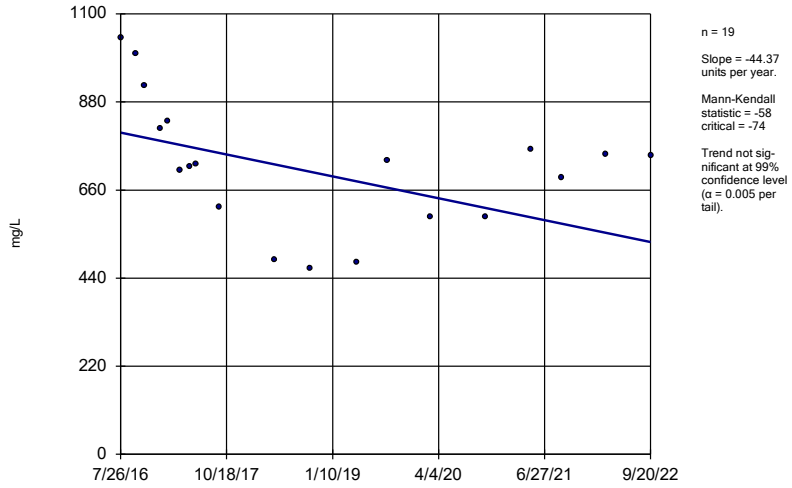
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MR-AP-PZ-5



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/15/2022 1:17 PM View: Appendix III - Trend Te

Plant Miller Client: Southern Company Data: Miller Ash Pond

FIGURE G.

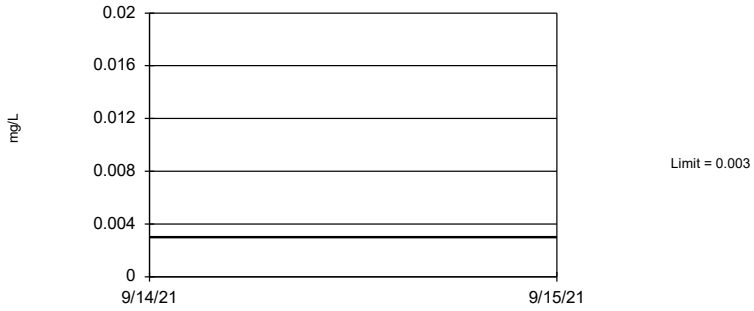
Upper Tolerance Limits - Summary Table

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 1/4/2022, 3:38 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	68.85	n/a	n/a	0.04377	NP Inter
Arsenic (mg/L)	n/a	0.00645	n/a	n/a	n/a	61	n/a	n/a	27.87	n/a	n/a	0.04377	NP Inter
Barium (mg/L)	n/a	12.4	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Beryllium (mg/L)	n/a	0.003	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Chromium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	45.9	n/a	n/a	0.04377	NP Inter
Cobalt (mg/L)	n/a	0.00362	n/a	n/a	n/a	61	n/a	n/a	78.69	n/a	n/a	0.04377	NP Inter
Combined Radium 226 + 228 (pCi/L)	n/a	7.07	n/a	n/a	n/a	61	n/a	n/a	0	n/a	n/a	0.04377	NP Inter
Fluoride, total (mg/L)	n/a	0.436	n/a	n/a	n/a	63	n/a	n/a	0	n/a	n/a	0.0395	NP Inter
Lead (mg/L)	n/a	0.00189	n/a	n/a	n/a	61	n/a	n/a	88.52	n/a	n/a	0.04377	NP Inter
Lithium (mg/L)	n/a	1.2	n/a	n/a	n/a	61	n/a	n/a	18.03	n/a	n/a	0.04377	NP Inter
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Molybdenum (mg/L)	n/a	0.0127	n/a	n/a	n/a	61	n/a	n/a	31.15	n/a	n/a	0.04377	NP Inter
Selenium (mg/L)	n/a	0.01	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	61	n/a	n/a	77.05	n/a	n/a	0.04377	NP Inter

Tolerance Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 61 background values. 68.85% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

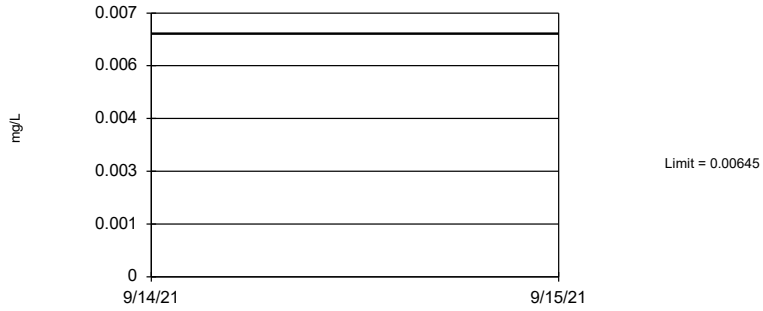
Constituent: Antimony Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 61 background values. 27.87% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Arsenic Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

NP test selected by user. Limit is highest of 61 background values. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

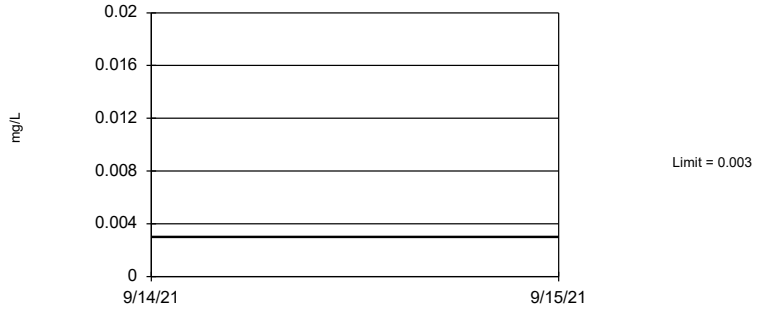
Constituent: Barium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



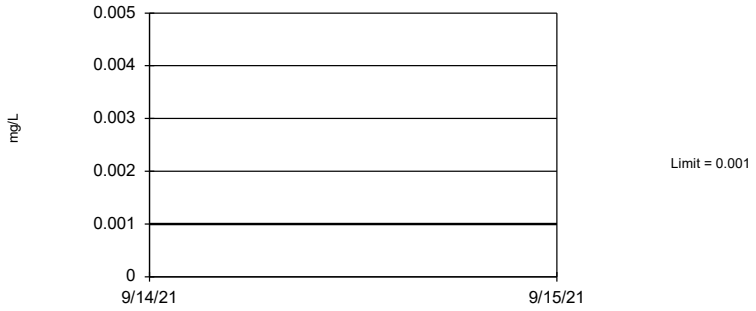
NP test selected by user. Limit is highest of 61 background values. 77.05% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Beryllium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Tolerance Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 61 background values. 77.05% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Cadmium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

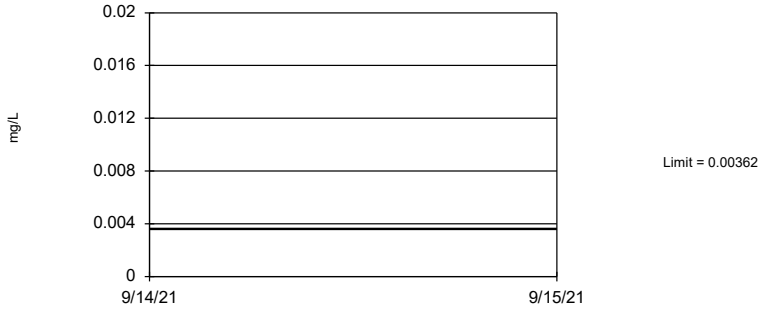
NP test selected by user. Limit is highest of 61 background values. 45.9% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Chromium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



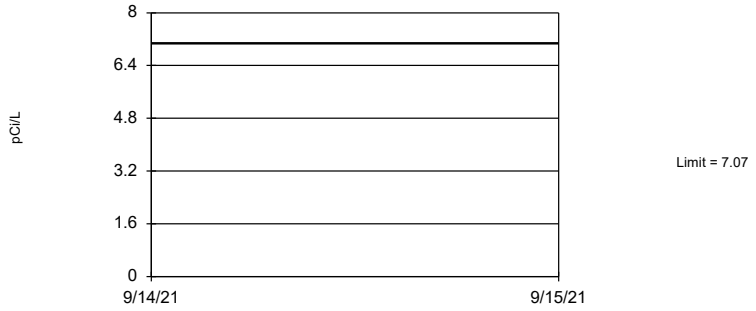
NP test selected by user. Limit is highest of 61 background values. 78.69% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Cobalt Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

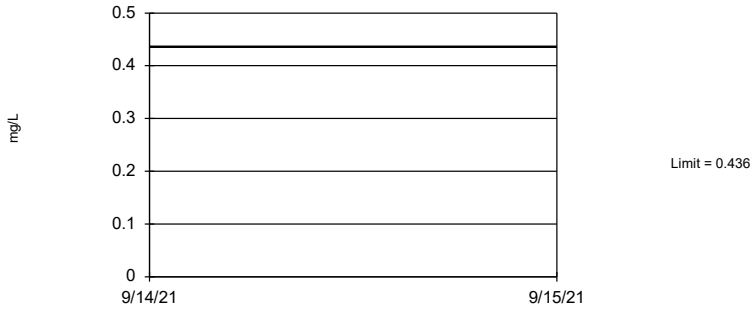


NP test selected by user. Limit is highest of 61 background values. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Combined Radium 226 + 228 Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs
Plant Miller Client: Southern Company Data: Miller Ash Pond

Tolerance Limit

Interwell Non-parametric



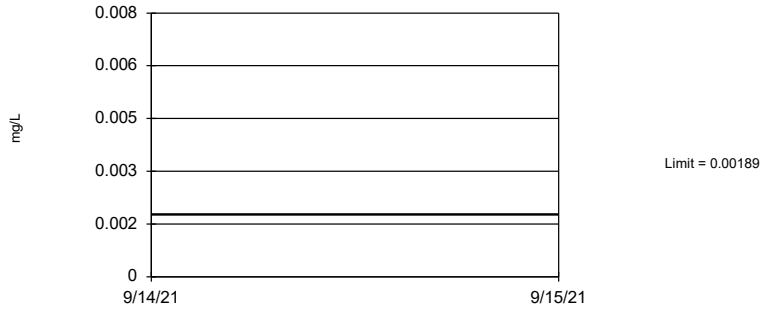
NP test selected by user. Limit is highest of 63 background values. 92.77% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.0395.

Constituent: Fluoride, total Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Tolerance Limit

Interwell Non-parametric



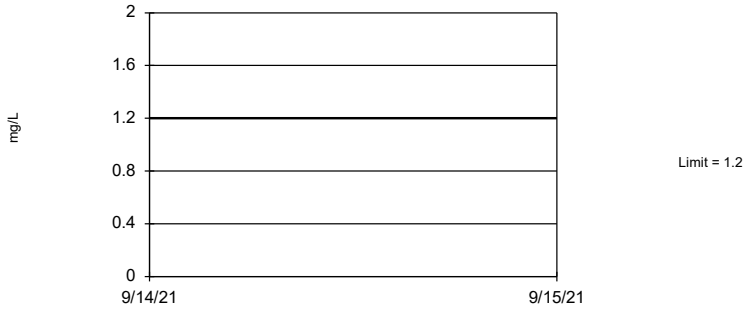
NP test selected by user. Limit is highest of 61 background values. 88.52% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Lead Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Tolerance Limit

Interwell Non-parametric



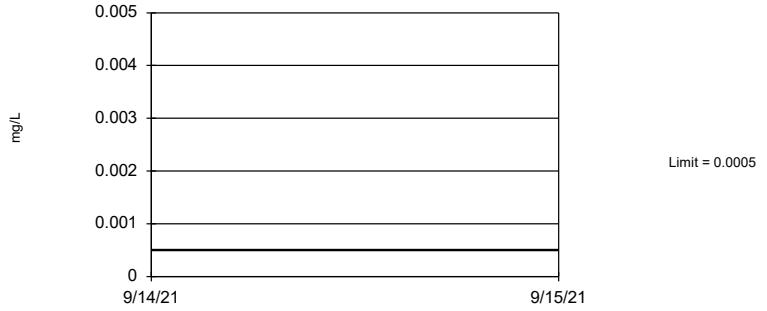
NP test selected by user. Limit is highest of 61 background values. 18.03% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Lithium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Tolerance Limit

Interwell Non-parametric



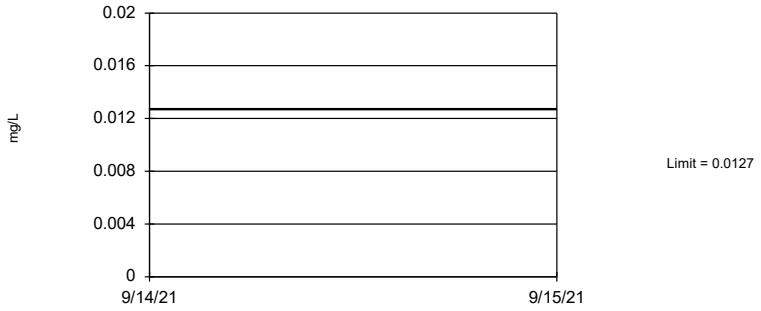
NP test selected by user. Limit is highest of 61 background values. 77.05% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Mercury Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Tolerance Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 61 background values. 31.15% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Molybdenum Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

NP test selected by user. Limit is highest of 61 background values. 77.05% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

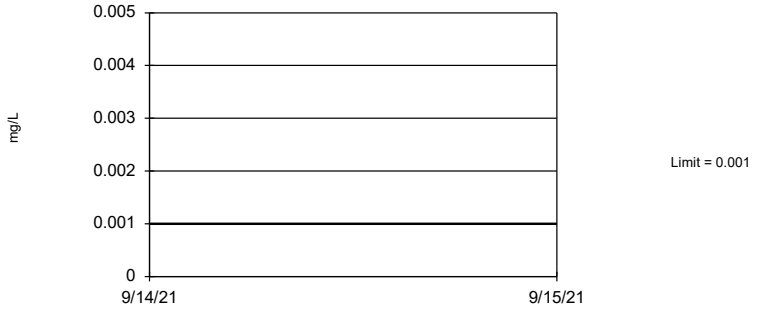
Constituent: Selenium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 61 background values. 77.05% NDs. 92.77% coverage at alpha=0.01; 95.12% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.04377.

Constituent: Thallium Analysis Run 1/4/2022 3:37 PM View: Appendix IV - UTLs

Plant Miller Client: Southern Company Data: Miller Ash Pond

FIGURE H.

MILLER AP GWPS			
Analyte	**Units**	**Background**	**GWPS**
Antimony	mg/L	0.003	0.006
Arsenic	mg/L	0.00645	0.01
Barium	mg/L	12.4	2
Beryllium	mg/L	0.003	0.004
Cadmium	mg/L	0.001	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00362	0.006
Combined Radium-226/228	pCi/L	7.07	5
Fluoride	mg/L	0.436	4
Lead	mg/L	0.00189	0.015
Lithium	mg/L	1.2	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.0127	0.1
Selenium	mg/L	0.01	0.05
Thallium	mg/L	0.001	0.002

Notes:

1. mg/L - Milligrams per liter

2. pCi/L - Picocuries per liter

3. The background limits were used as the groundwater protection standard (GWPS) when appropriate under 40 CFR §257.95(h), ADEM Rule 335-13-15-.06(h), and the ADEM Variance.

4. GWPS established during second semi-annual sampling event in 2021.

FIGURE I.

Confidence Intervals - Significant Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**MR-AP-MW-3D**	**0.015**	**0.0107**	**0.01**	**Yes**	**8**	**0.01185**	**0.001444**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Cobalt (mg/L)	**MR-AP-MW-13SR**	**0.1198**	**0.008419**	**0.006**	**Yes**	**5**	**0.06412**	**0.03324**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MR-AP-MW-2**	**0.0574**	**0.03805**	**0.006**	**Yes**	**8**	**0.04773**	**0.009126**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-1**	**0.2194**	**0.09907**	**0.04**	**Yes**	**8**	**0.1593**	**0.05678**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2324**	**0.1662**	**0.04**	**Yes**	**8**	**0.199**	**0.03254**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.3863**	**0.198**	**0.04**	**Yes**	**8**	**0.2921**	**0.08882**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.2014**	**0.1114**	**0.04**	**Yes**	**8**	**0.1564**	**0.04245**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-2**	**0.27**	**0.211**	**0.04**	**Yes**	**8**	**0.2426**	**0.02573**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1207**	**0.09887**	**0.04**	**Yes**	**8**	**0.1098**	**0.01031**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.3469**	**0.2449**	**0.04**	**Yes**	**8**	**0.2959**	**0.04812**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.07983**	**0.06255**	**0.04**	**Yes**	**8**	**0.07119**	**0.008152**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0.2171**	**0.02088**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07653**	**0.04**	**Yes**	**8**	**0.08204**	**0.005199**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1384**	**0.09879**	**0.04**	**Yes**	**5**	**0.1186**	**0.01182**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1658**	**0.1354**	**0.04**	**Yes**	**5**	**0.1506**	**0.009072**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0642**	**0.04**	**Yes**	**5**	**0.07568**	**0.00878**	**0**	**None**	**No**	**0.031**	**NP (normality)**
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1693**	**0.1307**	**0.04**	**Yes**	**8**	**0.15**	**0.01817**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.615**	**0.1401**	**0.1**	**Yes**	**8**	**0.3683**	**0.2451**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9669**	**0.4111**	**0.1**	**Yes**	**8**	**0.689**	**0.2622**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MR-AP-MW-12	0.00102	0.00056	0.006	No	8	0.0009075	0.0002084	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-16	0.00107	0.000768	0.006	No	8	0.0009947	0.00009328	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-3D	0.00118	0.00102	0.006	No	8	0.00104	0.00005657	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-MW-3S	0.00126	0.00102	0.006	No	8	0.00105	0.00008485	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	MR-AP-PZ-5	0.00102	0.0009	0.006	No	8	0.001005	0.00004243	87.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	MR-AP-MW-1	0.0058	0.0021	0.01	No	8	0.00284	0.001282	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-10	0.061	0.00142	0.01	No	8	0.01296	0.02216	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-11	0.0002	0.00008	0.01	No	8	0.0001502	0.0000553	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-12	0.006839	0.002819	0.01	No	8	0.004829	0.001896	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13DR	0.0007421	0.0001759	0.01	No	5	0.000459	0.0001889	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-13SR	0.002148	0.000256	0.01	No	5	0.001202	0.0006312	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-14R	0.0002826	0.0001484	0.01	No	5	0.0002182	0.00004294	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-15	0.00153	0.0002	0.01	No	8	0.0005306	0.0004715	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-16	0.0031	0.0002	0.01	No	8	0.0008026	0.0009822	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-2	0.00431	0.002537	0.01	No	8	0.003424	0.0008365	0	None	No	0.01	Param.
Arsenic (mg/L)	**MR-AP-MW-3D**	**0.015**	**0.0107**	**0.01**	**Yes**	**8**	**0.01185**	**0.001444**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Arsenic (mg/L)	MR-AP-MW-3S	0.002245	0.0003299	0.01	No	8	0.001287	0.0009032	12.5	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-4	0.0004	0.0002	0.01	No	8	0.0002624	0.00008804	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	MR-AP-MW-5	0.01309	0.009675	0.01	No	8	0.01139	0.001613	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-6	0.0002	0.000104	0.01	No	8	0.000178	0.00004096	75	None	No	0.004	NP (NDs)
Arsenic (mg/L)	MR-AP-MW-7DR	0.005487	0.00003351	0.01	No	5	0.001927	0.002044	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-7SR	0.002781	0.001555	0.01	No	5	0.002168	0.000366	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9DR	0.0009234	0.0002122	0.01	No	5	0.0005678	0.0002373	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MR-AP-MW-9SR	0.001609	0.0004774	0.01	No	5	0.001043	0.0003378	0	None	No	0.01	Param.
Arsenic (mg/L)	MR-AP-PZ-5	0.001192	0.0001085	0.01	No	8	0.0006024	0.0005827	12.5	None	ln(x)	0.01	Param.
Barium (mg/L)	MR-AP-MW-1	0.142	0.01953	2	No	8	0.08076	0.05777	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-10	0.01827	0.01356	2	No	8	0.01593	0.002453	0	None	x^2	0.01	Param.
Barium (mg/L)	MR-AP-MW-11	0.041	0.03157	2	No	8	0.0364	0.004926	0	None	x^5	0.01	Param.
Barium (mg/L)	MR-AP-MW-12	0.0186	0.01433	2	No	8	0.01646	0.002012	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13DR	0.1487	0.0282	2	No	5	0.08846	0.03596	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-13SR	0.04678	0.01062	2	No	5	0.0287	0.01079	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-14R	0.116	0.0998	2	No	5	0.1042	0.006828	0	None	No	0.031	NP (normality)
Barium (mg/L)	MR-AP-MW-15	0.06178	0.02697	2	No	8	0.04438	0.01642	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-16	0.0294	0.01995	2	No	8	0.02468	0.004456	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-2	0.01876	0.01556	2	No	8	0.01716	0.00151	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3D	0.03611	0.02456	2	No	8	0.03034	0.005447	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-3S	0.447	0.146	2	No	8	0.2529	0.124	0	None	No	0.004	NP (normality)
Barium (mg/L)	MR-AP-MW-4	0.01526	0.01214	2	No	8	0.0137	0.001475	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-5	0.01729	0.01538	2	No	8	0.01634	0.0008991	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-6	0.02643	0.02285	2	No	8	0.02464	0.00169	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7DR	0.03319	0.02365	2	No	5	0.02842	0.002849	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-7SR	0.04724	0.03692	2	No	5	0.04208	0.003082	0	None	No	0.01	Param.
Barium (mg/L)	MR-AP-MW-9DR	0.04366	0.02121	2	No	5	0.03542	0.008299	0	None	x^4	0.01	Param.
Barium (mg/L)	MR-AP-MW-9SR	0.0274	0.0169	2	No	5	0.0197	0.004367	0	None	No	0.031	NP (normality)
Barium (mg/L)	MR-AP-PZ-5	0.26	0.1725	2	No	8	0.2163	0.04126	0	None	No	0.01	Param.
Beryllium (mg/L)	MR-AP-MW-13SR	0.002526	0.0008714	0.004	No	5	0.001562	0.0005807	40	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MR-AP-MW-10	0.0002	0.00009	0.005	No	8	0.0001735	0.00004912	75	None	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-12	0.0002	0.0000927	0.005	No	8	0.0001716	0.00004319	62.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-13SR	0.000378	0.0001	0.005	No	5	0.0002156	0.0001006	60	None	No	0.031	NP (NDs)
Cadmium (mg/L)	MR-AP-MW-4	0.0002	0.000073	0.005	No	8	0.0001691	0.0000572	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-1	0.006249	0.0008724	0.1	No	8	0.003425	0.003167	12.5	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	MR-AP-MW-10	0.00139	0.000436	0.1	No	8	0.0009245	0.0003179	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-11	0.00102	0.00027	0.1	No	8	0.0007515	0.0003718	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-12	0.00215	0.00048	0.1	No	8	0.001071	0.0004751	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-13DR	0.0007029	0.00007313	0.1	No	5	0.0006408	0.0003825	40	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-13SR	0.0006767	0.00009031	0.1	No	5	0.0005108	0.0003341	20	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-14R	0.0004831	0.0002069	0.1	No	5	0.000615	0.0003765	40	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	MR-AP-MW-15	0.00102	0.000243	0.1	No	8	0.0007441	0.0003815	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-16	0.00102	0.00067	0.1	No	8	0.0009762	0.0001237	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-2	0.00102	0.00021	0.1	No	8	0.000855	0.0003159	75	Kaplan-Meier	No	0.004	NP (NDs)

Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	MR-AP-MW-3D	0.00102	0.00027	0.1	No	8	0.0007541	0.0003674	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-3S	0.00102	0.00034	0.1	No	8	0.0007286	0.0003254	50	None	No	0.004	NP (normality)
Chromium (mg/L)	MR-AP-MW-4	0.00102	0.000278	0.1	No	8	0.000836	0.0003407	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-5	0.00102	0.00027	0.1	No	8	0.0009262	0.0002652	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-6	0.00102	0.00023	0.1	No	8	0.0007282	0.0004027	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	MR-AP-MW-7DR	0.00102	0.000282	0.1	No	5	0.0007284	0.0003993	60	None	No	0.031	NP (NDs)
Chromium (mg/L)	MR-AP-MW-7SR	0.00102	0.000219	0.1	No	5	0.0005478	0.0004312	40	None	No	0.031	NP (normality)
Chromium (mg/L)	MR-AP-MW-9DR	0.00102	0.00024	0.1	No	5	0.000429	0.0003313	20	None	No	0.031	NP (normality)
Chromium (mg/L)	MR-AP-MW-9SR	0.00102	0.0002	0.1	No	5	0.0005508	0.0004306	40	None	No	0.031	NP (normality)
Chromium (mg/L)	MR-AP-PZ-5	0.00102	0.00021	0.1	No	8	0.0008212	0.0003681	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-1	0.000389	0.00006033	0.006	No	8	0.0003066	0.0003247	50	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-10	0.00137	0.0002	0.006	No	8	0.00046	0.0004395	50	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-11	0.0002	0.000077	0.006	No	8	0.0001846	0.00004349	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-12	0.00165	0.0002	0.006	No	8	0.000805	0.0006599	50	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-13DR	0.001097	0.0002467	0.006	No	5	0.000672	0.0002838	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	**MR-AP-MW-13SR**	**0.1198**	**0.008419**	**0.006**	**Yes**	**5**	**0.06412**	**0.03324**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MR-AP-MW-14R	0.0002	0.0000688	0.006	No	5	0.0001738	0.00005867	80	None	No	0.031	NP (NDs)
Cobalt (mg/L)	MR-AP-MW-15	0.0247	0.0002	0.006	No	8	0.003677	0.008517	37.5	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-16	0.005396	0.0007515	0.006	No	8	0.003074	0.002342	25	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	**MR-AP-MW-2**	**0.0574**	**0.03805**	**0.006**	**Yes**	**8**	**0.04773**	**0.009126**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MR-AP-MW-3D	0.005534	0.003989	0.006	No	8	0.004761	0.0007289	0	None	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-4	0.01643	0.004238	0.006	No	8	0.01033	0.005751	0	None	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-6	0.0471	0.00456	0.006	No	8	0.01531	0.01538	0	None	No	0.004	NP (normality)
Cobalt (mg/L)	MR-AP-MW-7SR	0.0009209	0.0002958	0.006	No	5	0.0006448	0.0002551	20	Kaplan-Meier	x^2	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9DR	0.0002008	0.00008803	0.006	No	5	0.0001586	0.00004265	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	MR-AP-MW-9SR	0.0003236	0.00006176	0.006	No	5	0.0002052	0.00008101	20	Kaplan-Meier	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-1	0.8192	0.3288	5	No	8	0.574	0.2314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-10	1.068	0.2609	5	No	8	0.6645	0.3808	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-11	0.4814	0.1525	5	No	8	0.3169	0.1551	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-12	1.06	0.2864	5	No	8	0.6596	0.4045	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13DR	1.019	0.1705	5	No	5	0.5946	0.2531	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-13SR	1.456	0.4948	5	No	5	1.048	0.326	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-14R	1.064	-0.3279	5	No	5	0.368	0.4153	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-15	0.5264	0.1499	5	No	8	0.3382	0.1776	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-16	0.447	0.1133	5	No	8	0.2802	0.1574	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-2	0.7389	0.2911	5	No	8	0.515	0.2113	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3D	0.8089	-0.03867	5	No	8	0.3851	0.3998	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-3S	0.9324	0.008309	5	No	8	0.4704	0.4359	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-4	0.5184	0.1711	5	No	8	0.3448	0.1639	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-5	0.993	0.2303	5	No	8	0.6116	0.3598	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-6	0.3563	0.1455	5	No	8	0.2509	0.09942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7DR	1.476	-0.2493	5	No	5	0.6132	0.5147	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-7SR	0.893	0.293	5	No	5	0.593	0.179	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9DR	1.397	0.06187	5	No	5	0.7296	0.3985	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-MW-9SR	0.4982	0.09745	5	No	5	0.2978	0.1196	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MR-AP-PZ-5	0.6989	0.104	5	No	8	0.3869	0.335	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-1	0.1793	0.1457	4	No	8	0.1625	0.01581	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-10	1.182	0.4096	4	No	8	0.7886	0.4853	0	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-11	0.1353	0.1032	4	No	8	0.1193	0.01514	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-12	1.078	0.842	4	No	8	0.9591	0.1149	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13DR	0.1949	0.1243	4	No	5	0.1596	0.02108	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-13SR	0.6003	0.3389	4	No	5	0.4696	0.07801	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-14R	0.216	0.1508	4	No	5	0.1834	0.01948	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-15	0.1314	0.08531	4	No	8	0.1084	0.02175	12.5	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-16	0.2306	0.1344	4	No	8	0.1815	0.05187	0	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-2	0.3294	0.1509	4	No	8	0.2401	0.08418	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3D	0.4057	0.3383	4	No	8	0.372	0.03177	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-3S	0.3381	0.2847	4	No	8	0.3114	0.02519	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-4	0.2632	0.1853	4	No	8	0.2243	0.03679	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-5	0.4227	0.3801	4	No	8	0.4014	0.02009	0	None	No	0.01	Param.

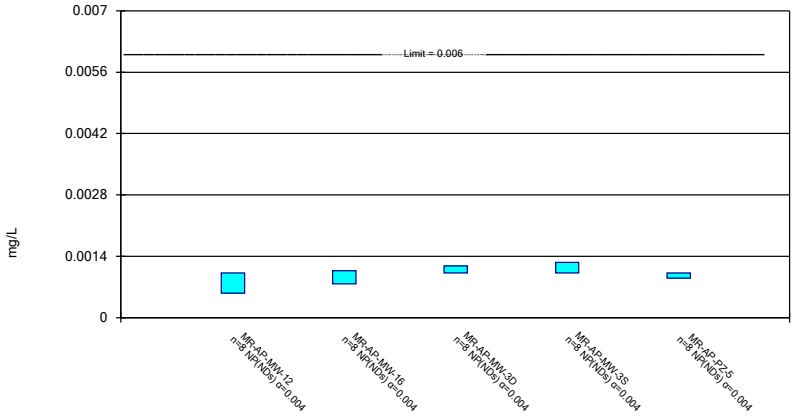
Confidence Intervals - All Results

Plant Miller Client: Southern Company Data: Miller Ash Pond Printed 11/15/2022, 1:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	MR-AP-MW-6	0.1688	0.08631	4	No	8	0.1276	0.03892	12.5	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7DR	0.1553	0.1055	4	No	5	0.1066	0.04288	40	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-7SR	0.2673	0.1763	4	No	5	0.2218	0.02718	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9DR	0.2119	0.09335	4	No	5	0.1526	0.03536	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-MW-9SR	0.1713	0.07006	4	No	5	0.1207	0.03022	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MR-AP-PZ-5	2.442	1.686	4	No	8	2.064	0.3568	0	None	No	0.01	Param.
Lead (mg/L)	MR-AP-MW-13DR	0.0002	0.000121	0.015	No	5	0.0001842	0.00003533	80	None	No	0.031	NP (NDs)
Lead (mg/L)	MR-AP-MW-13SR	0.0004	0.00011	0.015	No	5	0.000222	0.0001069	60	None	No	0.031	NP (NDs)
Lead (mg/L)	MR-AP-MW-3D	0.0002	0.000084	0.015	No	8	0.0001855	0.00004101	87.5	None	No	0.004	NP (NDs)
Lithium (mg/L)	**MR-AP-MW-1**	**0.2194**	**0.09907**	**0.04**	**Yes**	**8**	**0.1593**	**0.05678**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-10**	**0.2324**	**0.1662**	**0.04**	**Yes**	**8**	**0.199**	**0.03254**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-11**	**0.3863**	**0.198**	**0.04**	**Yes**	**8**	**0.2921**	**0.08882**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-12**	**0.2014**	**0.1114**	**0.04**	**Yes**	**8**	**0.1564**	**0.04245**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	MR-AP-MW-13DR	0.03855	0.03089	0.04	No	5	0.03472	0.002288	0	None	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-13SR	0.04701	0.01558	0.04	No	5	0.0293	0.01046	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	MR-AP-MW-14R	0.02168	0.01952	0.04	No	5	0.0206	0.0006442	0	None	No	0.01	Param.
Lithium (mg/L)	MR-AP-MW-15	0.0214	0.01835	0.04	No	8	0.01986	0.001476	12.5	None	ln(x)	0.01	Param.
Lithium (mg/L)	MR-AP-MW-16	0.1491	0.03687	0.04	No	8	0.09299	0.05294	0	None	No	0.01	Param.
Lithium (mg/L)	**MR-AP-MW-2**	**0.27**	**0.211**	**0.04**	**Yes**	**8**	**0.2426**	**0.02573**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-3D**	**0.1207**	**0.09887**	**0.04**	**Yes**	**8**	**0.1098**	**0.01031**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-3S**	**0.3469**	**0.2449**	**0.04**	**Yes**	**8**	**0.2959**	**0.04812**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-4**	**0.07983**	**0.06255**	**0.04**	**Yes**	**8**	**0.07119**	**0.008152**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-5**	**0.237**	**0.189**	**0.04**	**Yes**	**8**	**0.2171**	**0.02088**	**0**	**None**	**No**	**0.004**	**NP (normality)**
Lithium (mg/L)	**MR-AP-MW-6**	**0.08755**	**0.07653**	**0.04**	**Yes**	**8**	**0.08204**	**0.005199**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7DR**	**0.1384**	**0.09879**	**0.04**	**Yes**	**5**	**0.1186**	**0.01182**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-7SR**	**0.1658**	**0.1354**	**0.04**	**Yes**	**5**	**0.1506**	**0.009072**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**MR-AP-MW-9DR**	**0.0827**	**0.0642**	**0.04**	**Yes**	**5**	**0.07568**	**0.00878**	**0**	**None**	**No**	**0.031**	**NP (normality)**
Lithium (mg/L)	MR-AP-MW-9SR	0.04741	0.03851	0.04	No	5	0.04296	0.002658	0	None	No	0.01	Param.
Lithium (mg/L)	**MR-AP-PZ-5**	**0.1693**	**0.1307**	**0.04**	**Yes**	**8**	**0.15**	**0.01817**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	MR-AP-MW-15	0.0005	0.000316	0.002	No	8	0.000477	0.00006505	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-3S	0.0005	0.000318	0.002	No	8	0.0004773	0.00006435	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-MW-5	0.0005	0.000319	0.002	No	8	0.0004774	0.00006399	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	MR-AP-PZ-5	0.0005	0.000311	0.002	No	8	0.0004764	0.00006682	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	MR-AP-MW-1	0.01147	0.005066	0.1	No	8	0.008199	0.003233	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	**MR-AP-MW-10**	**0.615**	**0.1401**	**0.1**	**Yes**	**8**	**0.3683**	**0.2451**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-11	0.00148	0.0002	0.1	No	8	0.0005201	0.0004551	50	None	No	0.004	NP (normality)
Molybdenum (mg/L)	**MR-AP-MW-12**	**0.9669**	**0.4111**	**0.1**	**Yes**	**8**	**0.689**	**0.2622**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MR-AP-MW-13DR	0.005993	0.001279	0.1	No	5	0.003636	0.001406	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-13SR	0.00311	0.00011	0.1	No	5	0.000764	0.001313	0	None	No	0.031	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-14R	0.0001683	0.00007642	0.1	No	5	0.0001534	0.00004871	40	Kaplan-Meier	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-15	0.000518	0.00008	0.1	No	8	0.0002135	0.0001321	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Molybdenum (mg/L)	MR-AP-MW-16	0.08411	0.01824	0.1	No	8	0.05118	0.03107	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-2	0.003024	0.0002609	0.1	No	8	0.001601	0.001477	37.5	Kaplan-Meier	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-3D	0.0266	0.024	0.1	No	8	0.02571	0.001043	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-3S	0.06294	0.04596	0.1	No	8	0.05445	0.008009	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-4	0.0002	0.00007	0.1	No	8	0.0001518	0.00005686	50	None	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-5	0.0901	0.0709	0.1	No	8	0.07694	0.007509	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	MR-AP-MW-6	0.003598	0.0007066	0.1	No	8	0.002152	0.001364	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7DR	0.007171	0.002857	0.1	No	5	0.005014	0.001287	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-7SR	0.03623	0.03145	0.1	No	5	0.03384	0.001426	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9DR	0.001055	0.0001373	0.1	No	5	0.0004748	0.0004147	20	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	MR-AP-MW-9SR	0.002338	-0.0004692	0.1	No	5	0.0009344	0.0008376	0	None	No	0.01	Param.
Molybdenum (mg/L)	MR-AP-PZ-5	0.000438	0.000184	0.1	No	8	0.0002552	0.00009062	50	None	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-13SR	0.00102	0.000598	0.05	No	5	0.0009356	0.0001887	80	None	No	0.031	NP (NDs)
Selenium (mg/L)	MR-AP-MW-16	0.00629	0.000975	0.05	No	8	0.002282	0.001873	37.5	None	No	0.004	NP (normality)
Selenium (mg/L)	MR-AP-MW-4	0.00112	0.00077	0.05	No	8	0.001001	0.00009978	75	None	No	0.004	NP (NDs)
Thallium (mg/L)	MR-AP-MW-13SR	0.0001707	0.00004882	0.002	No	5	0.0001278	0.00005433	20	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	MR-AP-MW-16	0.0002	0.00007	0.002	No	8	0.0001677	0.00005976	75	Kaplan-Meier	No	0.004	NP (NDs)
Thallium (mg/L)	MR-AP-MW-4	0.0002	0.00007	0.002	No	8	0.0001837	0.00004596	87.5	Kaplan-Meier	No	0.004	NP (NDs)

Non-Parametric Confidence Interval

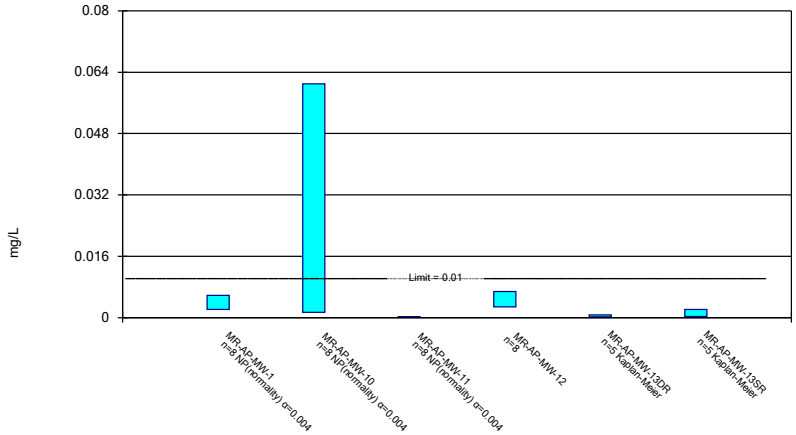
Compliance Limit is not exceeded.



Constituent: Antimony Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

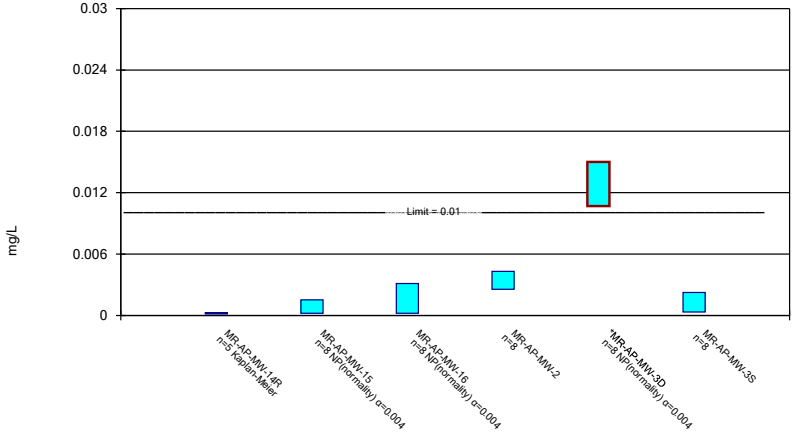
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

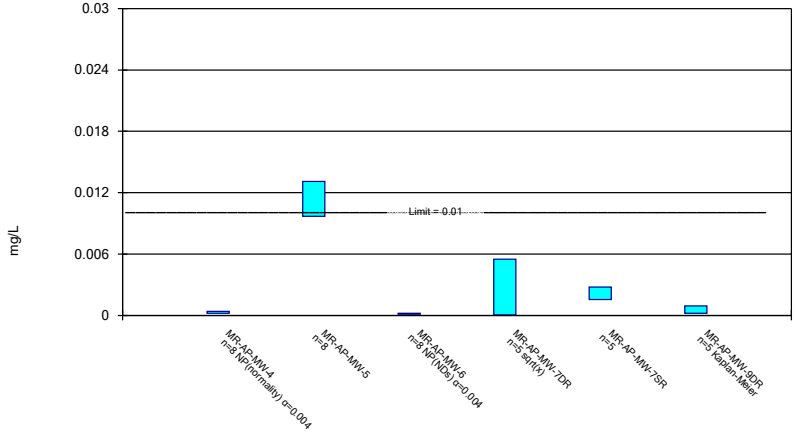
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

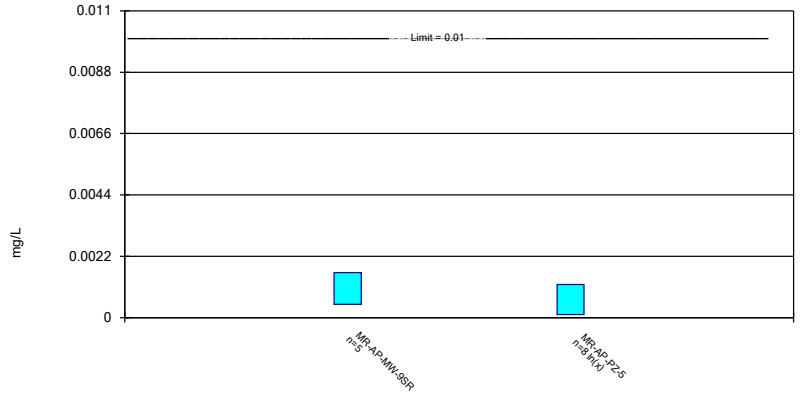
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

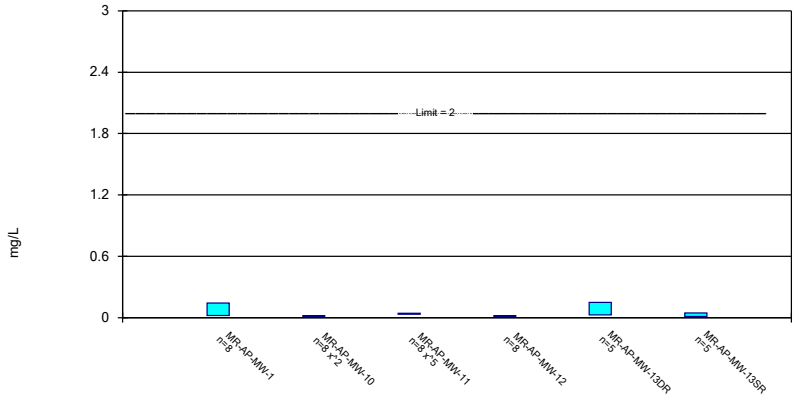
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

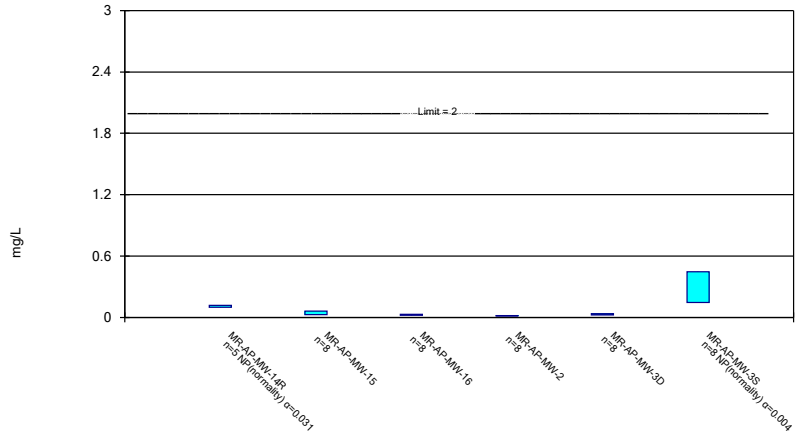
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

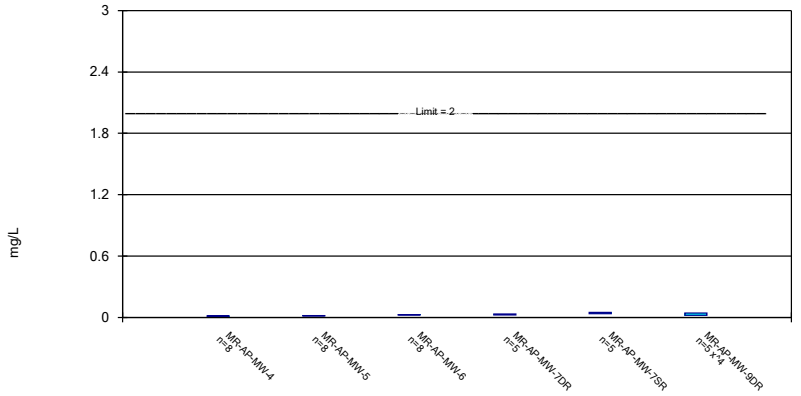
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

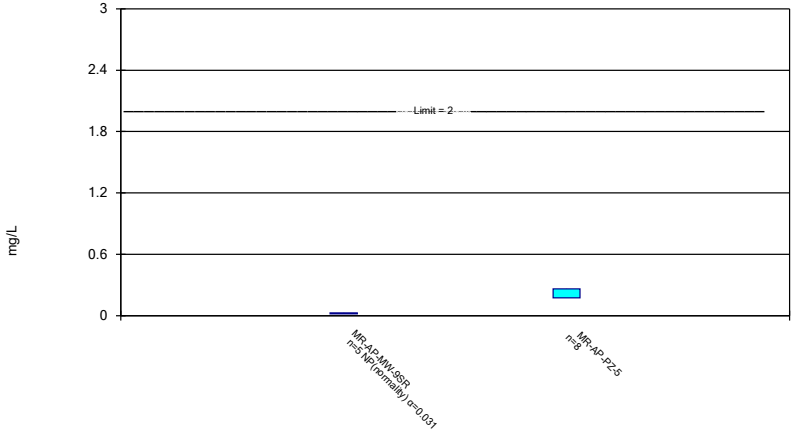
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

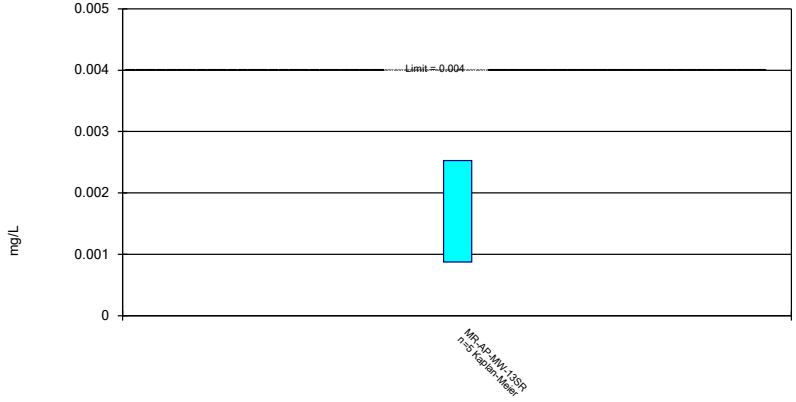
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

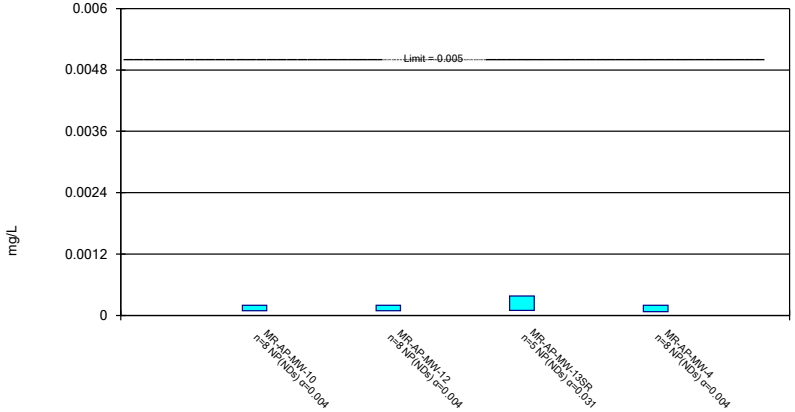
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Non-Parametric Confidence Interval

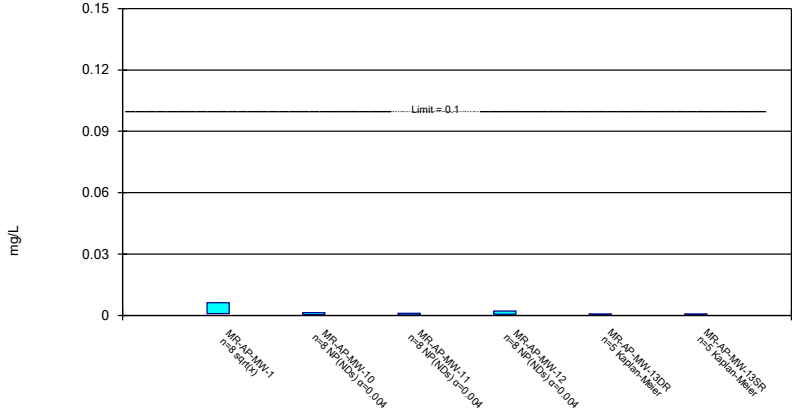
Compliance Limit is not exceeded.



Constituent: Cadmium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

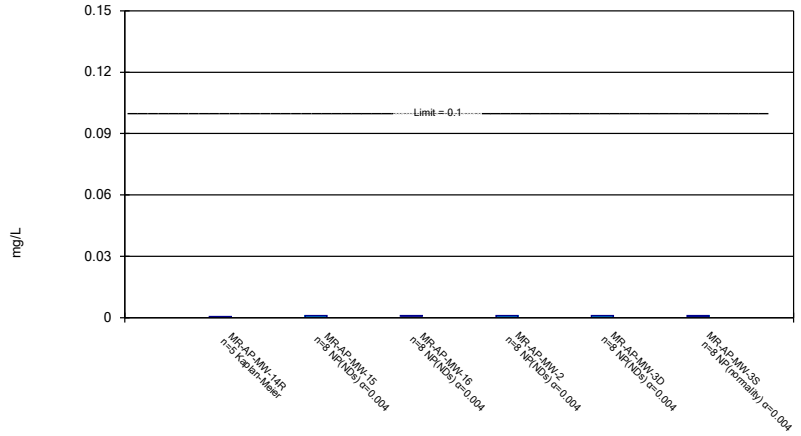
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

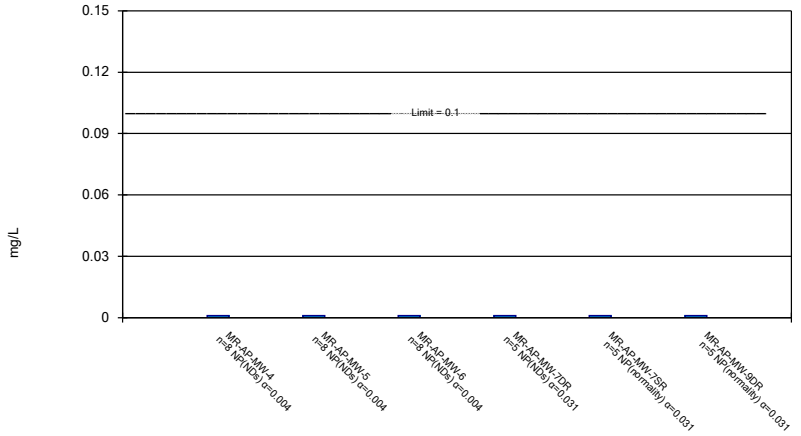


Constituent: Chromium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

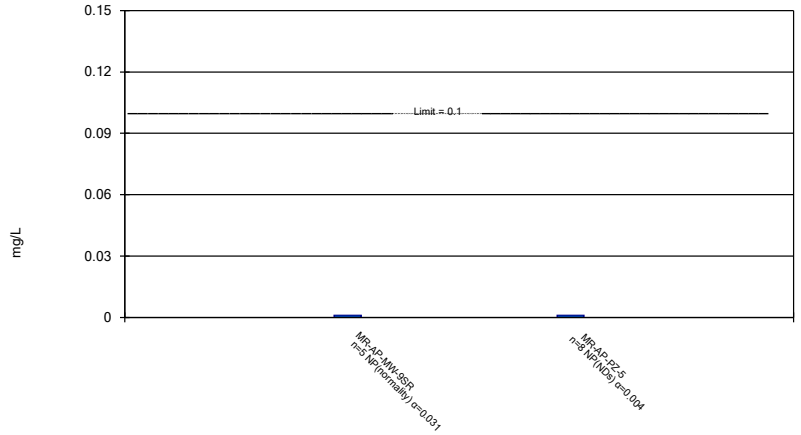


Constituent: Chromium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

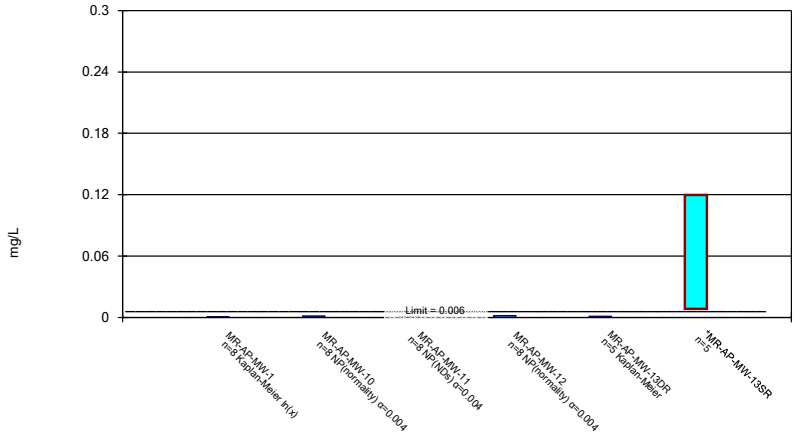


Constituent: Chromium Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

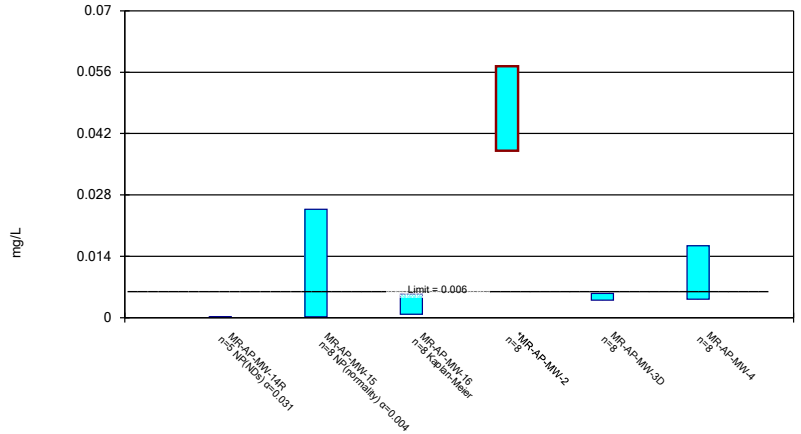
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



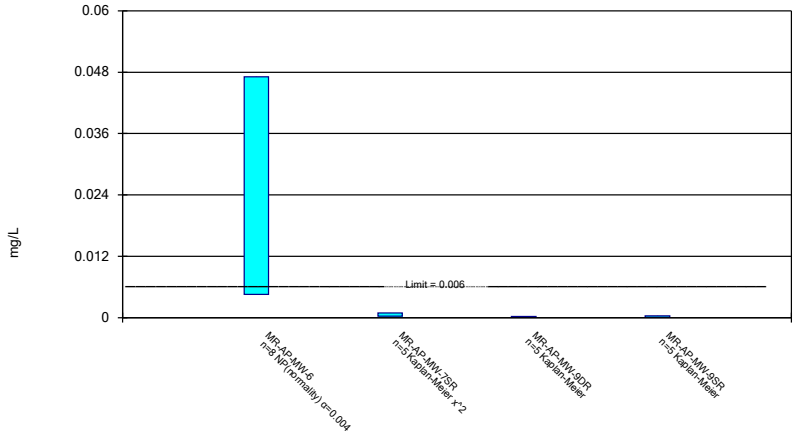
Constituent: Cobalt Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



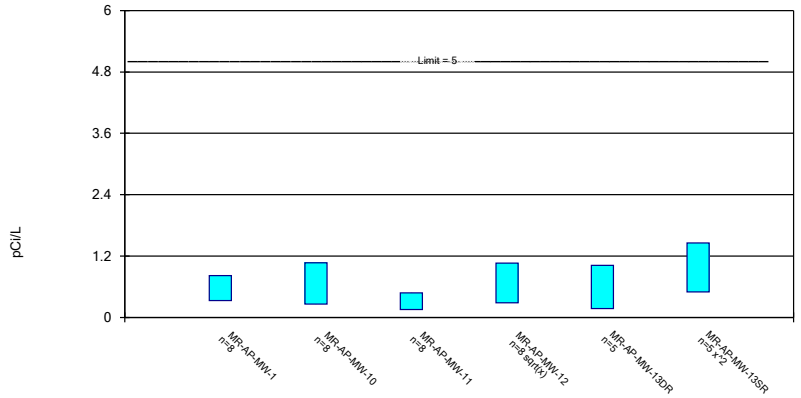
Constituent: Cobalt Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



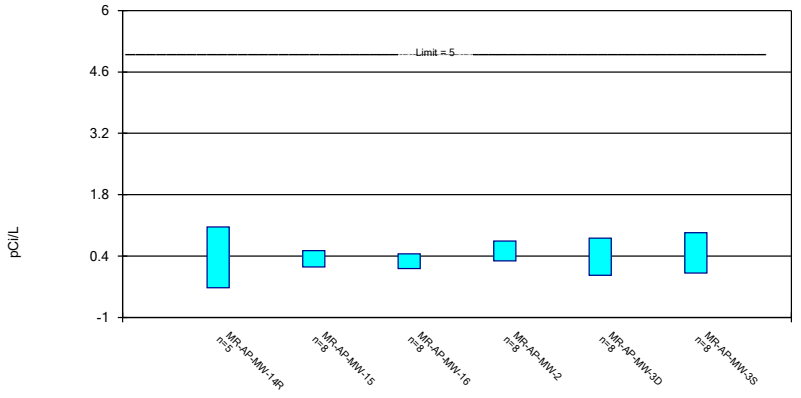
Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confide

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

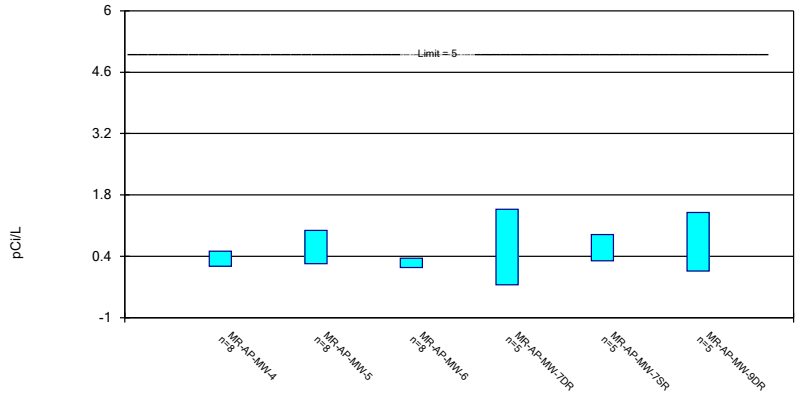


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confide

Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

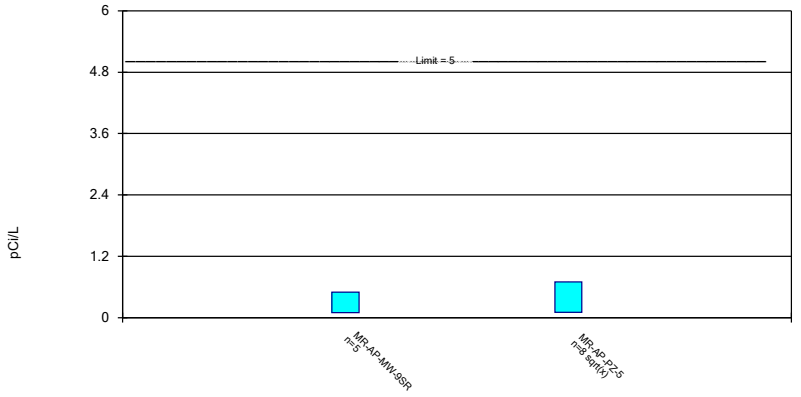


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confide
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

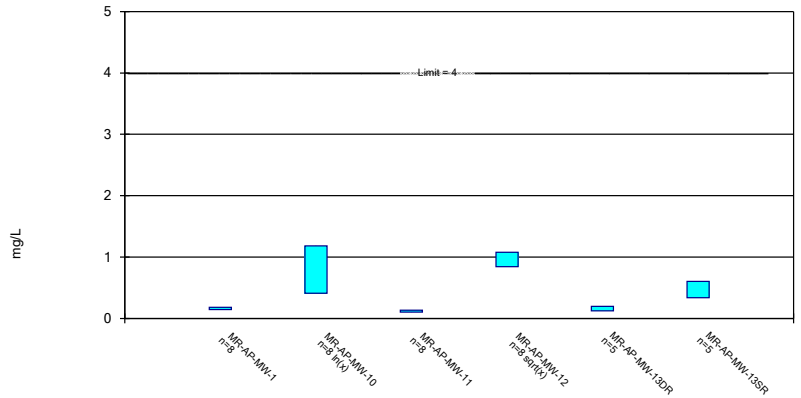


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confide
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

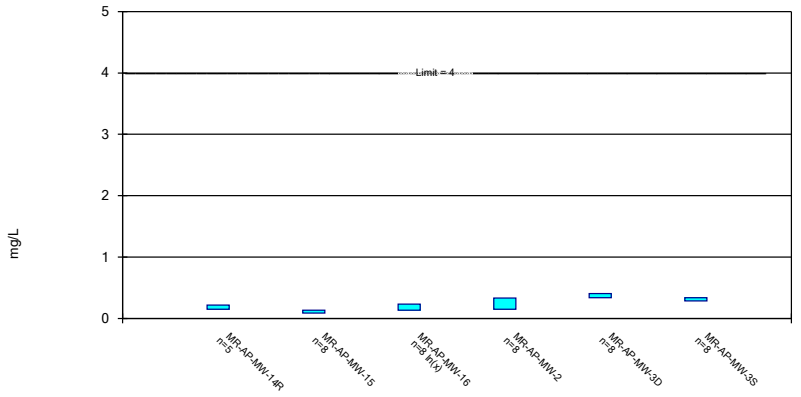


Constituent: Fluoride, total Analysis Run 11/15/2022 1:23 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

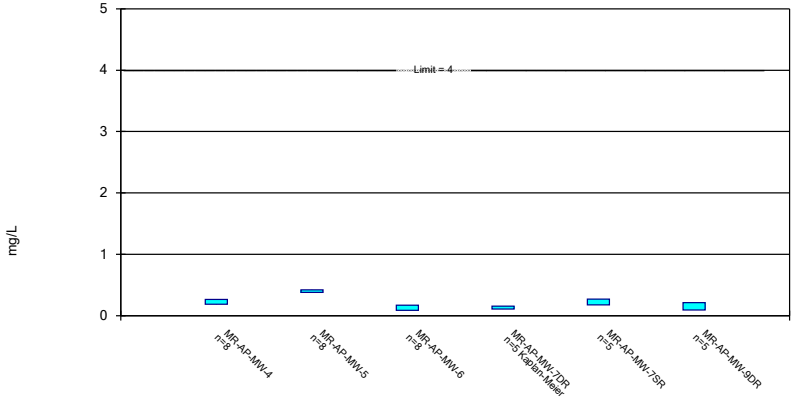
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

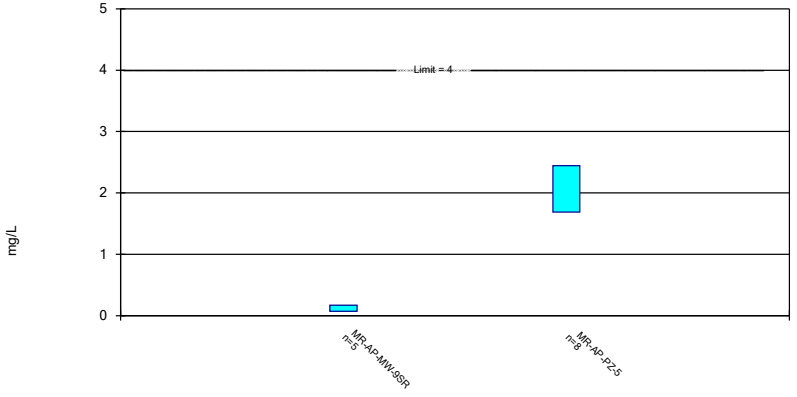


Constituent: Fluoride, total Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

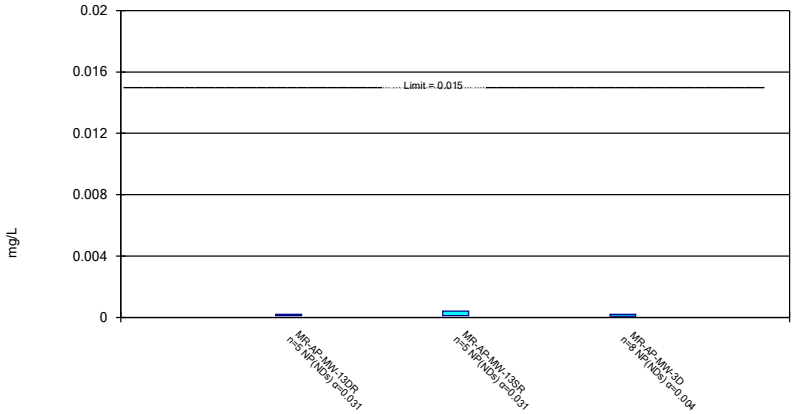


Constituent: Fluoride, total Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

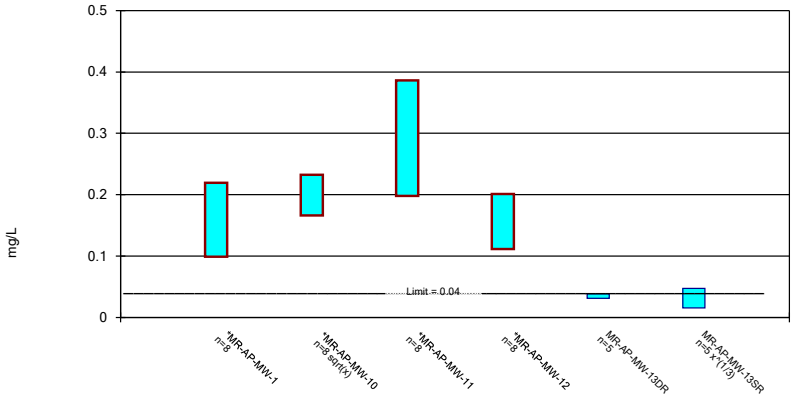


Constituent: Lead Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

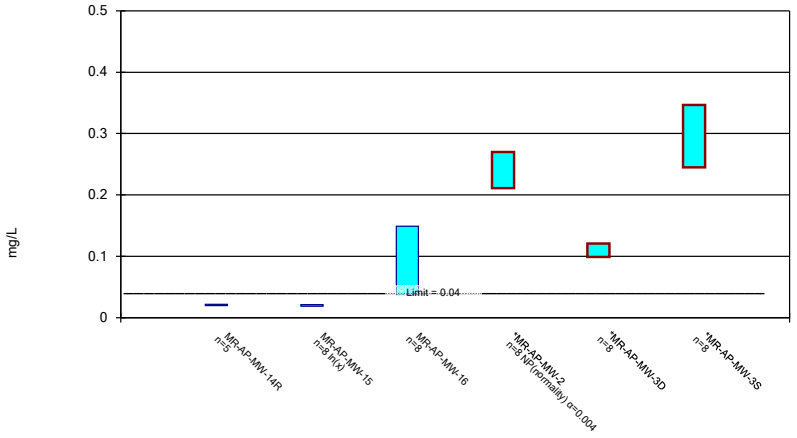
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

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.

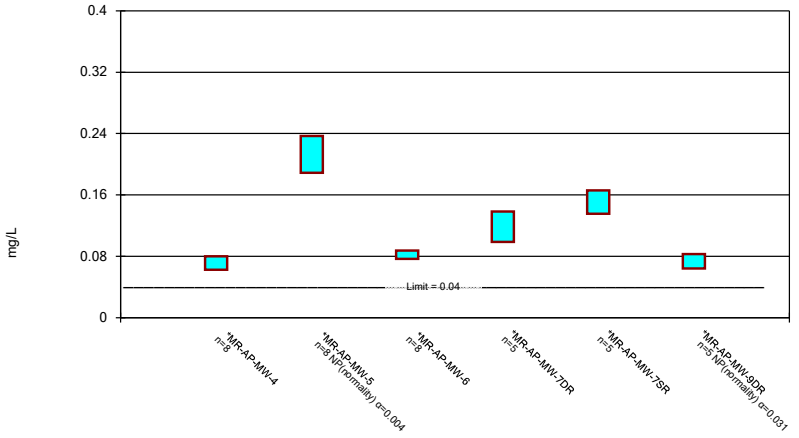


Constituent: Lithium Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

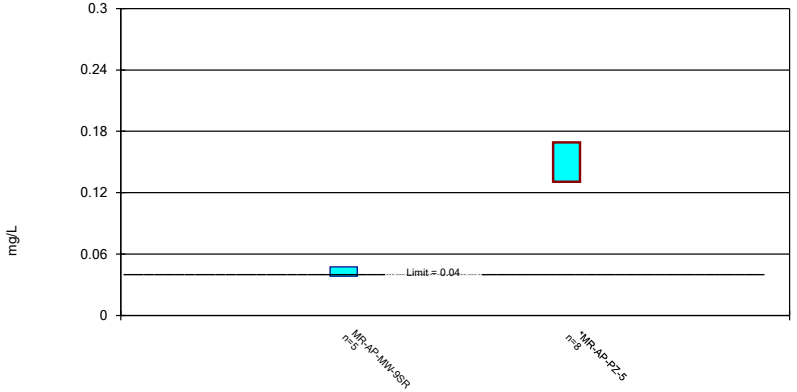


Constituent: Lithium Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

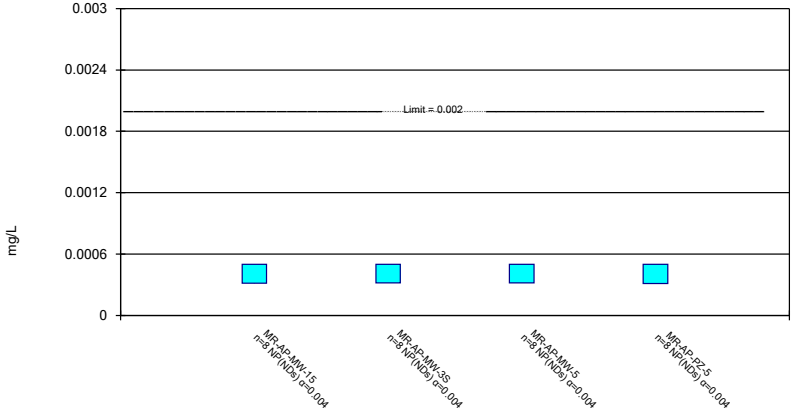


Constituent: Lithium Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

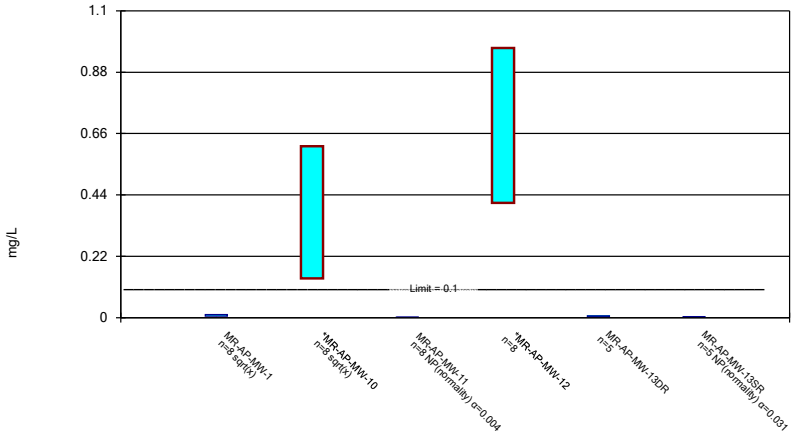
Compliance Limit is not exceeded.



Constituent: Mercury Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

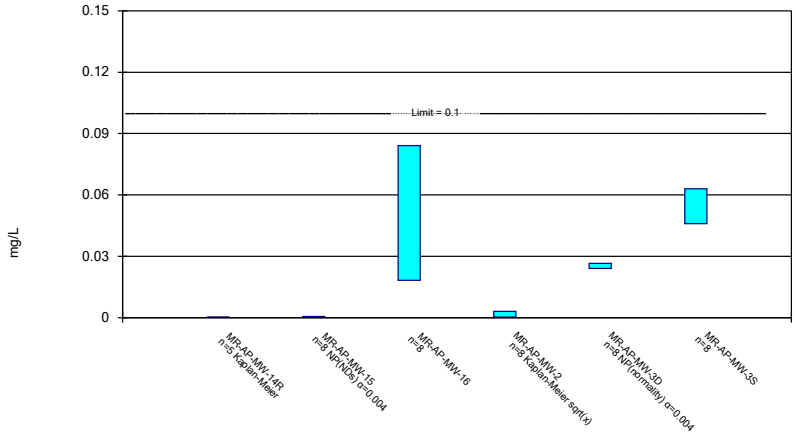
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

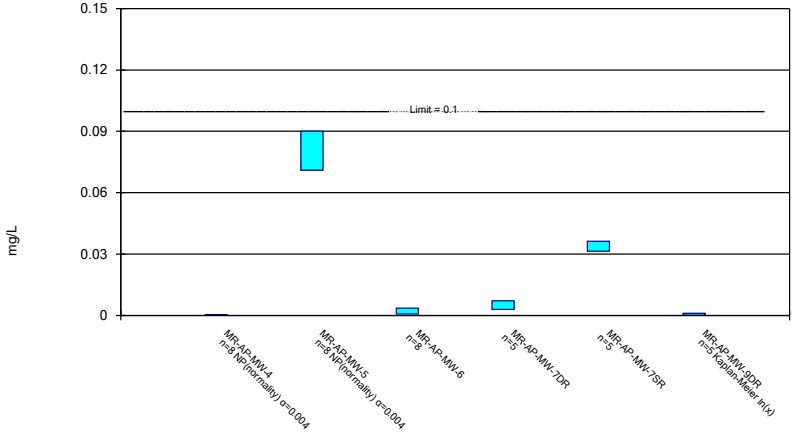
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

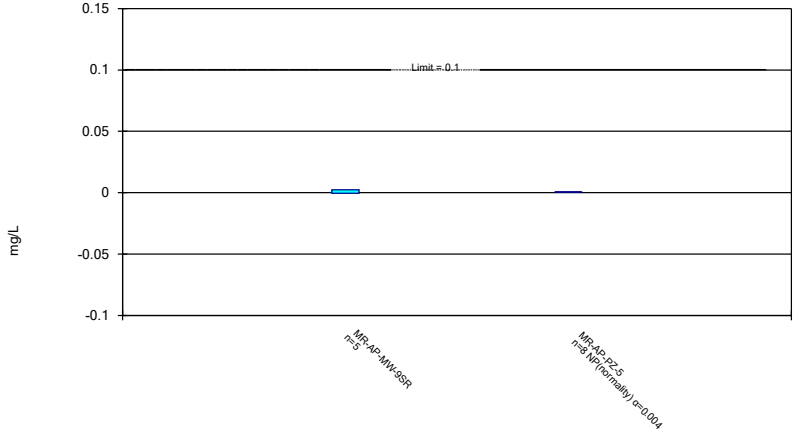
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

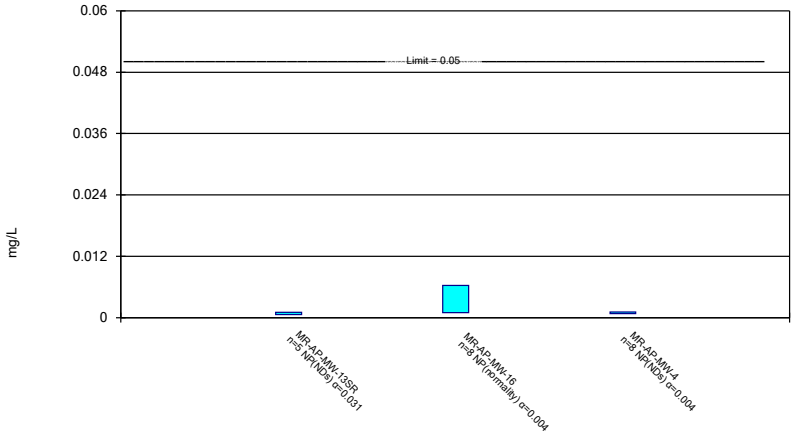
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals
Plant Miller Client: Southern Company Data: Miller Ash Pond

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



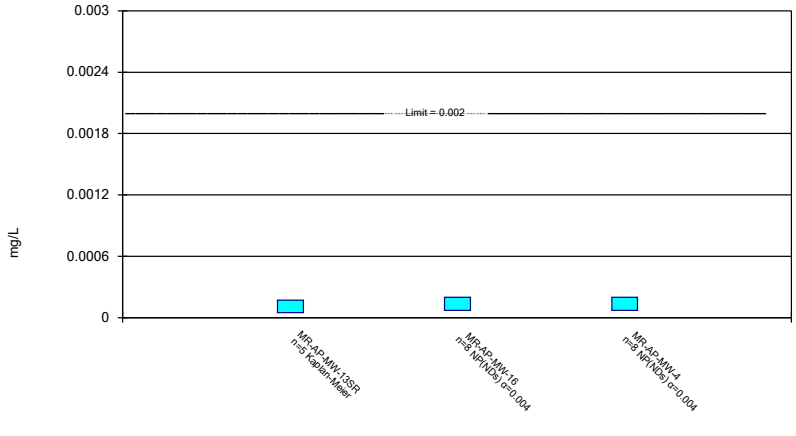
Constituent: Selenium Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/15/2022 1:24 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-12	MR-AP-MW-16	MR-AP-MW-3D	MR-AP-MW-3S	MR-AP-PZ-5
10/8/2018	<0.00102				
4/22/2019				0.00126 (J)	
4/23/2019					0.0009 (J)
4/24/2019		0.00107 (J)			
4/29/2019			0.00118 (J)		
8/27/2019			<0.00102	<0.00102	
8/28/2019	<0.00102	<0.00102			
8/29/2019					<0.00102
3/2/2020					<0.00102
3/3/2020		<0.00102	<0.00102	<0.00102	
3/10/2020	<0.00102				
10/13/2020		<0.00102	<0.00102	<0.00102	
10/19/2020	<0.00102				
10/21/2020					<0.00102
4/21/2021		0.000768 (J)			
5/3/2021					<0.00102
5/5/2021	<0.00102		<0.00102	<0.00102	
9/1/2021		<0.00102			
9/7/2021	0.00056 (J)		<0.00102	<0.00102	
9/8/2021					<0.00102
3/8/2022		<0.00102			
3/14/2022					<0.00102
3/16/2022			<0.00102	<0.00102	
3/17/2022	0.00058 (J)				
9/19/2022			<0.00102	<0.00102	
9/20/2022		<0.00102			<0.00102
9/26/2022	<0.00102				
Mean	0.0009075	0.0009947	0.00104	0.00105	0.001005
Std. Dev.	0.0002084	9.328E-05	5.657E-05	8.485E-05	4.243E-05
Upper Lim.	0.00102	0.00107	0.00118	0.00126	0.00102
Lower Lim.	0.00056	0.000768	0.00102	0.00102	0.0009

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				0.0024 (J)		
4/24/2019		0.00193 (J)				
5/1/2019	0.00229 (J)		<0.0002			
8/27/2019	0.00211 (J)					
8/28/2019			<0.0002	0.00297 (J)		
8/29/2019		0.00177 (J)				
3/3/2020			<0.0002			
3/9/2020	0.0058	0.0018 (J)				
3/10/2020				0.00353 (J)		
10/19/2020	0.00351 (J)	0.00186 (J)		0.00463 (J)		
10/20/2020			<0.0002		<0.0002	<0.0002
4/20/2021	0.00225					
4/21/2021			8.14E-05 (J)		0.000396	0.00109
5/3/2021		0.00142				
5/5/2021				0.00514		
9/7/2021				0.00507	0.00041	0.0013
9/8/2021	0.00219					
9/14/2021			8E-05 (J)			
9/15/2021		0.0016				
3/9/2022					0.00066	0.00155
3/15/2022	0.0021					
3/16/2022			0.00012 (J)			
3/17/2022		0.061		0.0078		
9/19/2022	0.00247				0.000629	0.00187
9/20/2022			0.00012 (J)			
9/26/2022		0.0323		0.00709		
Mean	0.00284	0.01296	0.0001502	0.004829	0.000459	0.001202
Std. Dev.	0.001282	0.02216	5.53E-05	0.001896	0.0001889	0.0006312
Upper Lim.	0.0058	0.061	0.0002	0.006839	0.0007421	0.002148
Lower Lim.	0.0021	0.00142	8E-05	0.002819	0.0001759	0.000256

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						0.00275 (J)
4/24/2019		<0.0002	<0.0002			
4/29/2019					0.0108	
5/1/2019				0.0039 (J)		
8/27/2019				0.00194 (J)	0.0111	0.00222 (J)
8/28/2019		<0.0002	<0.0002			
3/3/2020			<0.0002	0.00238 (J)	0.0118	0.00199 (J)
3/4/2020		<0.0002				
10/13/2020		<0.0002	<0.0002		0.015	<0.0002
10/20/2020	<0.0002					
10/21/2020				0.00346 (J)		
4/21/2021	0.000288		0.000891			
4/26/2021		0.000665		0.00346		
5/5/2021					0.0116	0.000735
9/1/2021		0.00083	0.0009			
9/7/2021					0.011	0.00088
9/13/2021	0.00023					
9/14/2021				0.0043		
3/8/2022			0.00073			
3/9/2022	0.00019 (J)	0.00042				
3/16/2022				0.00394	0.0107	0.00074
9/19/2022					0.0128	0.000783
9/20/2022		0.00153	0.0031			
9/26/2022	0.000183 (J)			0.00401		
Mean	0.0002182	0.0005306	0.0008026	0.003424	0.01185	0.001287
Std. Dev.	4.294E-05	0.0004715	0.0009822	0.0008365	0.001444	0.0009032
Upper Lim.	0.0002826	0.00153	0.0031	0.00431	0.015	0.002245
Lower Lim.	0.0001484	0.0002	0.0002	0.002537	0.0107	0.0003299

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		0.0122	<0.0002			
4/29/2019	<0.0002					
8/27/2019	<0.0002					
8/28/2019		0.0107	<0.0002			
3/2/2020		0.0122				
3/3/2020			<0.0002			
3/4/2020	<0.0002					
10/14/2020	<0.0002					
10/15/2020						<0.0002
10/20/2020			<0.0002	0.00547	0.00251 (J)	
10/21/2020		0.0145				
4/26/2021	0.000368					
4/27/2021				0.00188	0.00254	0.000587
4/28/2021			0.000104 (J)			
5/3/2021		0.0111				
9/1/2021	0.0004		<0.0002	0.00098	0.0022	0.00056
9/8/2021		0.0112				
3/8/2022				0.00061	0.00177	0.00086
3/14/2022		0.00987				
3/15/2022	0.0002 (J)					
3/16/2022			0.00012 (J)			
9/20/2022		0.00931		0.000694	0.00182	
9/21/2022			<0.0002			0.000632
9/26/2022	0.000331					
Mean	0.0002624	0.01139	0.000178	0.001927	0.002168	0.0005678
Std. Dev.	8.804E-05	0.001613	4.096E-05	0.002044	0.000366	0.0002373
Upper Lim.	0.0004	0.01309	0.0002	0.005487	0.002781	0.0009234
Lower Lim.	0.0002	0.009675	0.000104	3.351E-05	0.001555	0.0002122

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		<0.0002
8/29/2019		0.00123 (J)
3/2/2020		0.0013 (J)
10/15/2020	0.0016 (J)	
10/21/2020		0.00137 (J)
4/27/2021	0.00112	
5/3/2021		0.000109 (J)
9/1/2021	0.0009	
9/8/2021		0.00021
3/8/2022	0.00079	
3/14/2022		9E-05 (J)
9/20/2022		0.00031
9/21/2022	0.000807	
Mean	0.001043	0.0006024
Std. Dev.	0.0003378	0.0005827
Upper Lim.	0.001609	0.001192
Lower Lim.	0.0004774	0.0001085

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				0.0167		
4/24/2019		0.0154				
5/1/2019	0.0672		0.04			
8/27/2019	0.0555					
8/28/2019			0.0387	0.0177		
8/29/2019		0.0185				
3/3/2020			0.029			
3/9/2020	0.0285	0.0175				
3/10/2020				0.015		
10/19/2020	0.0295	0.0168		0.0157		
10/20/2020			0.0414		0.144	0.0466
4/20/2021	0.0454					
4/21/2021			0.0401		0.104	0.0286
5/3/2021		0.0147				
5/5/2021				0.0136		
9/7/2021				0.0191	0.0749	0.0277
9/8/2021	0.101					
9/14/2021			0.0392			
9/15/2021		0.017				
3/9/2022					0.0618	0.0216
3/15/2022	0.12					
3/16/2022			0.031			
3/17/2022		0.0106		0.0149		
9/19/2022	0.199				0.0576	0.019
9/20/2022			0.0318			
9/26/2022		0.0169		0.019		
Mean	0.08076	0.01593	0.0364	0.01646	0.08846	0.0287
Std. Dev.	0.05777	0.002453	0.004926	0.002012	0.03596	0.01079
Upper Lim.	0.142	0.01827	0.041	0.0186	0.1487	0.04678
Lower Lim.	0.01953	0.01356	0.03157	0.01433	0.0282	0.01062

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						0.447
4/24/2019		0.0765	0.0252			
4/29/2019					0.0404	
5/1/2019				0.0164		
8/27/2019				0.0177	0.0334	0.395
8/28/2019		0.0424	0.0208			
3/3/2020			0.03	0.0172	0.0304	0.347
3/4/2020		0.0544				
10/13/2020		0.0522	0.0322		0.0293	0.22
10/20/2020	0.116					
10/21/2020				0.0185		
4/21/2021	0.0998		0.02			
4/26/2021		0.0308		0.0167		
5/5/2021					0.0247	0.149
9/1/2021		0.0298	0.0243			
9/7/2021					0.0259	0.17
9/13/2021	0.104					
9/14/2021				0.0197		
3/8/2022			0.0206			
3/9/2022	0.101	0.0275				
3/16/2022				0.0147	0.0247	0.149
9/19/2022					0.0339	0.146
9/20/2022		0.0414	0.0243			
9/26/2022	0.1			0.0164		
Mean	0.1042	0.04438	0.02468	0.01716	0.03034	0.2529
Std. Dev.	0.006828	0.01642	0.004456	0.00151	0.005447	0.124
Upper Lim.	0.116	0.06178	0.0294	0.01876	0.03611	0.447
Lower Lim.	0.0998	0.02697	0.01995	0.01556	0.02456	0.146

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		0.0163	0.0256			
4/29/2019	0.0146					
8/27/2019	0.014					
8/28/2019		0.0158	0.0269			
3/2/2020		0.0155				
3/3/2020			0.0257			
3/4/2020	0.0137					
10/14/2020	0.0127					
10/15/2020						0.0408
10/20/2020			0.0252	0.0331	0.0466	
10/21/2020		0.0173				
4/26/2021	0.0115					
4/27/2021				0.0262	0.0421	0.0368
4/28/2021			0.0241			
5/3/2021		0.015				
9/1/2021	0.0129		0.0251	0.028	0.043	0.0394
9/8/2021		0.0175				
3/8/2022				0.0261	0.0403	0.0393
3/14/2022		0.0162				
3/15/2022	0.0137					
3/16/2022			0.0228			
9/20/2022		0.0171		0.0287	0.0384	
9/21/2022			0.0217			0.0208
9/26/2022	0.0165					
Mean	0.0137	0.01634	0.02464	0.02842	0.04208	0.03542
Std. Dev.	0.001475	0.0008991	0.00169	0.002849	0.003082	0.008299
Upper Lim.	0.01526	0.01729	0.02643	0.03319	0.04724	0.04366
Lower Lim.	0.01214	0.01538	0.02285	0.02365	0.03692	0.02121

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		0.176
8/29/2019		0.25
3/2/2020		0.165
10/15/2020	0.0274	
10/21/2020		0.166
4/27/2021	0.0184	
5/3/2021		0.248
9/1/2021	0.0172	
9/8/2021		0.236
3/8/2022	0.0169	
3/14/2022		0.267
9/20/2022		0.222
9/21/2022	0.0186	
Mean	0.0197	0.2163
Std. Dev.	0.004367	0.04126
Upper Lim.	0.0274	0.26
Lower Lim.	0.0169	0.1725

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-13SR
10/20/2020	<0.001015
4/21/2021	<0.001015
9/7/2021	0.00166
3/9/2022	0.00171
9/19/2022	0.00241
Mean	0.001562
Std. Dev.	0.0005807
Upper Lim.	0.002526
Lower Lim.	0.0008714

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-10	MR-AP-MW-12	MR-AP-MW-13SR	MR-AP-MW-4
10/8/2018		<0.0002		
4/24/2019	<0.0002			
4/29/2019				<0.0002
8/27/2019				<0.0002
8/28/2019		<0.0002		
8/29/2019	<0.0002			
3/4/2020				<0.0002
3/9/2020	<0.0002			
3/10/2020		<0.0002		
10/14/2020				<0.0002
10/19/2020	<0.0002	<0.0002		
10/20/2020			<0.0002	
4/21/2021			<0.0002	
4/26/2021				7.3E-05 (J)
5/3/2021	<0.0002			
5/5/2021		9.27E-05 (J)		
9/1/2021				8E-05 (J)
9/7/2021		0.00012 (J)	<0.0002	
9/15/2021	<0.0002			
3/9/2022			0.0001 (J)	
3/15/2022				<0.0002
3/17/2022	9E-05 (J)	0.00016 (J)		
9/19/2022			0.000378	
9/26/2022	9.8E-05 (J)	<0.0002		<0.0002
Mean	0.0001735	0.0001716	0.0002156	0.0001691
Std. Dev.	4.912E-05	4.319E-05	0.0001006	5.72E-05
Upper Lim.	0.0002	0.0002	0.000378	0.0002
Lower Lim.	9E-05	9.27E-05	0.0001	7.3E-05

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				<0.00102		
4/24/2019		<0.00102				
5/1/2019	<0.00102		<0.00102			
8/27/2019	0.00336 (J)					
8/28/2019			<0.00102	<0.00102		
8/29/2019		<0.00102				
3/3/2020			<0.00102			
3/9/2020	0.0105	<0.00102				
3/10/2020				<0.00102		
10/19/2020	0.00527 (J)	<0.00102		<0.00102		
10/20/2020			<0.00102		<0.00102	<0.00102
4/20/2021	0.00235					
4/21/2021			<0.00102		0.000207 (J)	0.000239 (J)
5/3/2021		<0.00102				
5/5/2021				<0.00102		
9/7/2021				0.00084 (J)	0.00031 (J)	0.00034 (J)
9/8/2021	0.00143					
9/14/2021			0.00037 (J)			
9/15/2021		0.00047 (J)				
3/9/2022					<0.00102	0.00068 (J)
3/15/2022	0.00199					
3/16/2022			0.00027 (J)			
3/17/2022		0.00139		0.00048 (J)		
9/19/2022	0.00148				0.000647 (J)	0.000275 (J)
9/20/2022			0.000272 (J)			
9/26/2022		0.000436 (J)		0.00215		
Mean	0.003425	0.0009245	0.0007515	0.001071	0.0006408	0.0005108
Std. Dev.	0.003167	0.0003179	0.0003718	0.0004751	0.0003825	0.0003341
Upper Lim.	0.006249	0.00139	0.00102	0.00215	0.0007029	0.0006767
Lower Lim.	0.0008724	0.000436	0.00027	0.00048	7.313E-05	9.031E-05

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						<0.00102
4/24/2019		<0.00102	<0.00102			
4/29/2019					<0.00102	
5/1/2019				<0.00102		
8/27/2019				<0.00102	<0.00102	<0.00102
8/28/2019		<0.00102	<0.00102			
3/3/2020			<0.00102	<0.00102	<0.00102	<0.00102
3/4/2020		<0.00102				
10/13/2020		<0.00102	<0.00102		<0.00102	<0.00102
10/20/2020	<0.00102					
10/21/2020				<0.00102		
4/21/2021	0.000239 (J)		<0.00102			
4/26/2021		<0.00102		0.00021 (J)		
5/5/2021					<0.00102	0.000646 (J)
9/1/2021		0.00033 (J)	0.00067 (J)			
9/7/2021					0.00027 (J)	0.00042 (J)
9/13/2021	0.00044 (J)					
9/14/2021				0.00051 (J)		
3/8/2022			<0.00102			
3/9/2022	<0.00102	0.00028 (J)				
3/16/2022				<0.00102	0.00033 (J)	0.00034 (J)
9/19/2022					0.000333 (J)	0.000343 (J)
9/20/2022		0.000243 (J)	<0.00102			
9/26/2022	0.000356 (J)			<0.00102		
Mean	0.000615	0.0007441	0.0009762	0.000855	0.0007541	0.0007286
Std. Dev.	0.0003765	0.0003815	0.0001237	0.0003159	0.0003674	0.0003254
Upper Lim.	0.0004831	0.00102	0.00102	0.00102	0.00102	0.00102
Lower Lim.	0.0002069	0.000243	0.00067	0.00021	0.00027	0.00034

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		<0.00102	<0.00102			
4/29/2019	<0.00102					
8/27/2019	<0.00102					
8/28/2019		<0.00102	<0.00102			
3/2/2020		<0.00102				
3/3/2020			<0.00102			
3/4/2020	<0.00102					
10/14/2020	<0.00102					
10/15/2020						<0.00102
10/20/2020			<0.00102	<0.00102	<0.00102	
10/21/2020		<0.00102				
4/26/2021	<0.00102					
4/27/2021				<0.00102	0.000219 (J)	0.000284 (J)
4/28/2021			<0.00102			
5/3/2021		<0.00102				
9/1/2021	0.00029 (J)		0.00025 (J)	0.0003 (J)	0.00025 (J)	0.0003 (J)
9/8/2021		0.00027 (J)				
3/8/2022				<0.00102	0.00023 (J)	0.00024 (J)
3/14/2022		<0.00102				
3/15/2022	<0.00102					
3/16/2022			0.00023 (J)			
9/20/2022		<0.00102		0.000282 (J)	<0.00102	
9/21/2022			0.000246 (J)			0.000301 (J)
9/26/2022	0.000278 (J)					
Mean	0.000836	0.0009262	0.0007282	0.0007284	0.0005478	0.000429
Std. Dev.	0.0003407	0.0002652	0.0004027	0.0003993	0.0004312	0.0003313
Upper Lim.	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102
Lower Lim.	0.000278	0.00027	0.00023	0.000282	0.000219	0.00024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		<0.00102
8/29/2019		<0.00102
3/2/2020		<0.00102
10/15/2020	<0.00102	
10/21/2020		<0.00102
4/27/2021	0.000204 (J)	
5/3/2021		<0.00102
9/1/2021	0.00031 (J)	
9/8/2021		0.00021 (J)
3/8/2022	0.0002 (J)	
3/14/2022		0.00024 (J)
9/20/2022		<0.00102
9/21/2022	<0.00102	
Mean	0.0005508	0.0008212
Std. Dev.	0.0004306	0.0003681
Upper Lim.	0.00102	0.00102
Lower Lim.	0.0002	0.00021

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				<0.0002		
4/24/2019		<0.0002				
5/1/2019	<0.0002		<0.0002			
8/27/2019	<0.0002					
8/28/2019			<0.0002	<0.0002		
8/29/2019		<0.0002				
3/3/2020			<0.0002			
3/9/2020	<0.0002	<0.0002				
3/10/2020				<0.0002		
10/19/2020	<0.0002	<0.0002		<0.0002		
10/20/2020			<0.0002		<0.0002	0.0112
4/20/2021	0.000113 (J)					
4/21/2021			<0.0002		0.00086	0.0523
5/3/2021		0.0003				
5/5/2021				0.00141		
9/7/2021				0.00165	0.00072	0.0816
9/8/2021	8E-05 (J)					
9/14/2021			<0.0002			
9/15/2021		0.0003				
3/9/2022					0.00066	0.0824
3/15/2022	0.00038					
3/16/2022			<0.0002			
3/17/2022		0.00091		0.00116		
9/19/2022	0.00108				0.00092	0.0931
9/20/2022			7.7E-05 (J)			
9/26/2022		0.00137		0.00142		
Mean	0.0003066	0.00046	0.0001846	0.000805	0.000672	0.06412
Std. Dev.	0.0003247	0.0004395	4.349E-05	0.0006599	0.0002838	0.03324
Upper Lim.	0.000389	0.00137	0.0002	0.00165	0.001097	0.1198
Lower Lim.	6.033E-05	0.0002	7.7E-05	0.0002	0.0002467	0.008419

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-4
4/24/2019		<0.0002	<0.0002			
4/29/2019					0.00555	0.0206
5/1/2019				0.0642		
8/27/2019				0.0498	0.00562	0.0157
8/28/2019		0.0021 (J)	0.00216 (J)			
3/3/2020			<0.0002	0.0471	0.00456 (J)	
3/4/2020		<0.0002				0.0119
10/13/2020		<0.0002	0.00352 (J)		0.00555	
10/14/2020						0.0117
10/20/2020	<0.0002					
10/21/2020				0.0368		
4/21/2021	6.88E-05 (J)		0.00213			
4/26/2021		0.000703		0.0358		0.00667
5/5/2021					0.00451	
9/1/2021		0.00066	0.00646			0.00719
9/7/2021					0.00455	
9/13/2021	<0.0002					
9/14/2021				0.0515		
3/8/2022			0.00413			
3/9/2022	<0.0002	0.00065				
3/15/2022						0.0039
3/16/2022				0.0444	0.00378	
9/19/2022					0.00397	
9/20/2022		0.0247	0.00579			
9/26/2022	<0.0002			0.0522		0.00501
Mean	0.0001738	0.003677	0.003074	0.04773	0.004761	0.01033
Std. Dev.	5.867E-05	0.008517	0.002342	0.009126	0.0007289	0.005751
Upper Lim.	0.0002	0.0247	0.005396	0.0574	0.005534	0.01643
Lower Lim.	6.88E-05	0.0002	0.0007515	0.03805	0.003989	0.004238

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-6	MR-AP-MW-7SR	MR-AP-MW-9DR	MR-AP-MW-9SR
4/23/2019	0.0471			
8/28/2019	0.0283			
3/3/2020	0.0186			
10/15/2020			<0.0002	<0.0002
10/20/2020	0.00675	<0.0002		
4/27/2021		0.000826	0.000206	0.000331
4/28/2021	0.00574			
9/1/2021	0.00456	0.00078	0.00011 (J)	0.00016 (J)
3/8/2022		0.00067	0.00013 (J)	0.00022
3/16/2022	0.00531			
9/20/2022		0.000748		
9/21/2022	0.00612		0.000147 (J)	0.000115 (J)
Mean	0.01531	0.0006448	0.0001586	0.0002052
Std. Dev.	0.01538	0.0002551	4.265E-05	8.101E-05
Upper Lim.	0.0471	0.0009209	0.0002008	0.0003236
Lower Lim.	0.00456	0.0002958	8.803E-05	6.176E-05

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				0.717		
4/24/2019		0.601				
5/1/2019	0.312 (U)		0.295 (U)			
8/27/2019	0.696					
8/28/2019			0.358 (U)	0.577 (U)		
8/29/2019		0.437 (U)				
3/3/2020			0.227 (U)			
3/9/2020	0.726	0.906				
3/10/2020				1.57		
10/19/2020	0.335 (U)	0.387 (U)		0.17 (U)		
10/20/2020			0.0474 (U)		0.357 (U)	0.479 (U)
4/20/2021	0.44 (U)					
4/21/2021			0.309 (U)		0.748 (U)	1.13
5/3/2021		0.821 (U)				
5/5/2021				0.446 (U)		
9/7/2021				0.521 (U)	0.822 (U)	1.24 (U)
9/8/2021	0.396 (U)					
9/14/2021			0.279 (U)			
9/15/2021		1.43 (U)				
3/9/2022					0.284 (U)	1.28
3/15/2022	0.754 (U)					
3/16/2022			0.579 (U)			
3/17/2022		0.232 (U)		0.656 (U)		
9/19/2022	0.933 (U)				0.762 (U)	1.11 (U)
9/20/2022			0.441 (U)			
9/26/2022		0.502 (U)		0.62 (U)		
Mean	0.574	0.6645	0.3169	0.6596	0.5946	1.048
Std. Dev.	0.2314	0.3808	0.1551	0.4045	0.2531	0.326
Upper Lim.	0.8192	1.068	0.4814	1.06	1.019	1.456
Lower Lim.	0.3288	0.2609	0.1525	0.2864	0.1705	0.4948

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						0.678
4/24/2019		0.373	0.317 (U)			
4/29/2019					0.0878 (U)	
5/1/2019				0.29 (U)		
8/27/2019				0.615	0.491 (U)	1.17
8/28/2019		0.00424 (U)	0.372 (U)			
3/3/2020			-0.0538 (U)	0.361 (U)	0.258 (U)	0.821
3/4/2020		0.337 (U)				
10/13/2020		0.232 (U)	0.209 (U)		-0.209 (U)	-0.0678 (U)
10/20/2020	-0.128 (U)					
10/21/2020				0.448 (U)		
4/21/2021	0.164 (U)		0.319 (U)			
4/26/2021		0.643 (U)		0.378 (U)		
5/5/2021					1.06 (U)	0.195 (U)
9/1/2021		0.37 (U)	0.231 (U)			
9/7/2021					0.332 (U)	0.0456 (U)
9/13/2021	0.387 (U)					
9/14/2021				0.96 (U)		
3/8/2022			0.455 (U)			
3/9/2022	0.417 (U)	0.387 (U)				
3/16/2022				0.589 (U)	0.257 (U)	0.207 (U)
9/19/2022					0.804 (U)	0.714 (U)
9/20/2022		0.359 (U)	0.392 (U)			
9/26/2022	1 (U)			0.479 (U)		
Mean	0.368	0.3382	0.2802	0.515	0.3851	0.4704
Std. Dev.	0.4153	0.1776	0.1574	0.2113	0.3998	0.4359
Upper Lim.	1.064	0.5264	0.447	0.7389	0.8089	0.9324
Lower Lim.	-0.3279	0.1499	0.1133	0.2911	-0.03867	0.008309

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		1.12	0.356			
4/29/2019	0.039 (U)					
8/27/2019	0.533					
8/28/2019		0.81	0.268 (U)			
3/2/2020		0.407 (U)				
3/3/2020			0.177 (U)			
3/4/2020	0.31 (U)					
10/14/2020	0.434 (U)					
10/15/2020						0.897
10/20/2020			0.321 (U)	0.197 (U)	0.398 (U)	
10/21/2020		-0.12 (U)				
4/26/2021	0.394 (U)					
4/27/2021				0.334 (U)	0.846 (U)	0.699 (U)
4/28/2021			0.156 (U)			
5/3/2021		0.646 (U)				
9/1/2021	0.238 (U)		0.132 (U)	1.4	0.627 (U)	0.667 (U)
9/8/2021		0.745 (U)				
3/8/2022				0.263 (U)	0.649 (U)	0.145 (U)
3/14/2022		0.571 (U)				
3/15/2022	0.285 (U)					
3/16/2022			0.199 (U)			
9/20/2022		0.714 (U)		0.872 (U)	0.445 (U)	
9/21/2022			0.398 (U)			1.24
9/26/2022	0.525 (U)					
Mean	0.3448	0.6116	0.2509	0.6132	0.593	0.7296
Std. Dev.	0.1639	0.3598	0.09942	0.5147	0.179	0.3985
Upper Lim.	0.5184	0.993	0.3563	1.476	0.893	1.397
Lower Lim.	0.1711	0.2303	0.1455	-0.2493	0.293	0.06187

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		0.267 (U)
8/29/2019		0.355 (U)
3/2/2020		0.213 (U)
10/15/2020	0.222 (U)	
10/21/2020		0.0492 (U)
4/27/2021	0.157 (U)	
5/3/2021		0.328 (U)
9/1/2021	0.272 (U)	
9/8/2021		1.16 (U)
3/8/2022	0.447 (U)	
3/14/2022		0.253 (U)
9/20/2022		0.47 (U)
9/21/2022	0.391 (U)	
Mean	0.2978	0.3869
Std. Dev.	0.1196	0.335
Upper Lim.	0.4982	0.6989
Lower Lim.	0.09745	0.104

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				0.85		
4/24/2019		0.433				
5/1/2019	0.143		0.118			
8/27/2019	0.159					
8/28/2019			0.13	0.916		
8/29/2019		0.445				
3/3/2020			0.134			
3/9/2020	0.179	0.517				
3/10/2020				0.929		
10/19/2020	0.16	0.608		0.978		
10/20/2020			0.126		0.146	0.434
4/20/2021	0.165					
4/21/2021			0.111		0.134	0.402
5/3/2021		0.599				
5/5/2021				0.958		
9/7/2021				0.843	0.183	0.532
9/8/2021	0.188					
9/14/2021			0.136			
9/15/2021		0.727				
3/9/2022					0.179	0.573
3/15/2022	0.142					
3/16/2022			0.107 (J)			
3/17/2022		1.86		1.21		
9/19/2022	0.164				0.156	0.407
9/20/2022			0.0923 (J)			
9/26/2022		1.12		0.989		
Mean	0.1625	0.7886	0.1193	0.9591	0.1596	0.4696
Std. Dev.	0.01581	0.4853	0.01514	0.1149	0.02108	0.07801
Upper Lim.	0.1793	1.182	0.1353	1.078	0.1949	0.6003
Lower Lim.	0.1457	0.4096	0.1032	0.842	0.1243	0.3389

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						0.335
4/24/2019		0.133	0.225			
4/29/2019					0.343	
5/1/2019				0.108		
8/27/2019				0.19	0.361	0.294
8/28/2019		0.0974 (J)	0.29			
3/3/2020			0.179	0.262	0.397	0.286
3/4/2020		0.111				
10/13/2020		0.125	0.145		0.362	0.311
10/20/2020	0.177					
10/21/2020				0.236		
4/21/2021	0.166		0.173			
4/26/2021		0.117		0.406		
5/5/2021					0.351	0.291
9/1/2021		0.118	0.14			
9/7/2021					0.433	0.361
9/13/2021	0.171					
9/14/2021				0.24		
3/8/2022			0.155			
3/9/2022	0.188	0.103 (J)				
3/16/2022				0.268	0.388	0.309
9/19/2022					0.341	0.304
9/20/2022		<0.125	0.145			
9/26/2022	0.215			0.211		
Mean	0.1834	0.1084	0.1815	0.2401	0.372	0.3114
Std. Dev.	0.01948	0.02175	0.05187	0.08418	0.03177	0.02519
Upper Lim.	0.216	0.1314	0.2306	0.3294	0.4057	0.3381
Lower Lim.	0.1508	0.08531	0.1344	0.1509	0.3383	0.2847

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		0.407	0.167			
4/29/2019	0.226					
8/27/2019	0.237					
8/28/2019		0.385	0.105			
3/2/2020		0.382				
3/3/2020			0.121			
3/4/2020	0.221					
10/14/2020	0.251					
10/15/2020						0.129
10/20/2020			0.109	0.122	0.222	
10/21/2020		0.427				
4/26/2021	0.204					
4/27/2021				0.126	0.242	0.149
4/28/2021			0.183			
5/3/2021		0.388				
9/1/2021	0.281		0.118	0.16	0.245	0.197
9/8/2021		0.433				
3/8/2022				<0.125	0.223	0.11 (J)
3/14/2022		0.405				
3/15/2022	0.154					
3/16/2022			0.155			
9/20/2022		0.384		<0.125	0.177	
9/21/2022			<0.125			0.178
9/26/2022	0.22					
Mean	0.2243	0.4014	0.1276	0.1066	0.2218	0.1526
Std. Dev.	0.03679	0.02009	0.03892	0.04288	0.02718	0.03536
Upper Lim.	0.2632	0.4227	0.1688	0.1553	0.2673	0.2119
Lower Lim.	0.1853	0.3801	0.08631	0.1055	0.1763	0.09335

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		1.33
8/29/2019		2.07
3/2/2020		1.9
10/15/2020	0.114	
10/21/2020		1.89
4/27/2021	0.125	
5/3/2021		2.38
9/1/2021	0.162	
9/8/2021		2.27
3/8/2022	0.125	
3/14/2022		2.28
9/20/2022		2.39
9/21/2022	0.0775 (J)	
Mean	0.1207	2.064
Std. Dev.	0.03022	0.3568
Upper Lim.	0.1713	2.442
Lower Lim.	0.07006	1.686

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-13DR	MR-AP-MW-13SR	MR-AP-MW-3D
4/29/2019			<0.0002
8/27/2019			<0.0002
3/3/2020			<0.0002
10/13/2020			<0.0002
10/20/2020	<0.0002	<0.0002	
4/21/2021	0.000121 (J)	<0.0002	
5/5/2021			8.4E-05 (J)
9/7/2021	<0.0002	<0.0002	<0.0002
3/9/2022	<0.0002	0.00011 (J)	
3/16/2022			<0.0002
9/19/2022	<0.0002	0.0004	<0.0002
Mean	0.0001842	0.000222	0.0001855
Std. Dev.	3.533E-05	0.0001069	4.101E-05
Upper Lim.	0.0002	0.0004	0.0002
Lower Lim.	0.000121	0.00011	8.4E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				0.19		
4/24/2019		0.186				
5/1/2019	0.104		0.327			
8/27/2019	0.264					
8/28/2019			0.318	0.158		
8/29/2019		0.197				
3/3/2020			0.255			
3/9/2020	0.123	0.225				
3/10/2020				0.146		
10/19/2020	0.09	0.166		0.12		
10/20/2020			0.297		0.0343	0.0475
4/20/2021	0.154					
4/21/2021			0.421		0.0356	0.0237
5/3/2021		0.19				
5/5/2021				0.124 (R)		
9/7/2021				0.176	0.0357	0.0258
9/8/2021	0.179					
9/14/2021			0.374			
9/15/2021		0.187				
3/9/2022					0.031	0.0215
3/15/2022	0.156					
3/16/2022			0.172			
3/17/2022		0.174		0.104		
9/19/2022	0.204				0.037	0.028
9/20/2022			0.173			
9/26/2022		0.267		0.233		
Mean	0.1593	0.199	0.2921	0.1564	0.03472	0.0293
Std. Dev.	0.05678	0.03254	0.08882	0.04245	0.002288	0.01046
Upper Lim.	0.2194	0.2324	0.3863	0.2014	0.03855	0.04701
Lower Lim.	0.09907	0.1662	0.198	0.1114	0.03089	0.01558

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						0.243
4/24/2019		<0.0406	0.0295 (J)			
4/29/2019					0.104	
5/1/2019				0.228		
8/27/2019				0.257	0.115	0.246
8/28/2019		0.0199 (J)	0.0555			
3/3/2020			0.0278	0.269	0.11	0.294
3/4/2020		0.0195 (J)				
10/13/2020		0.0195 (J)	0.132		0.121	0.347
10/20/2020	0.0207					
10/21/2020				0.217		
4/21/2021	0.0211		0.128			
4/26/2021		0.0194 (J)		0.268		
5/5/2021					0.116	0.358
9/1/2021		0.0196 (J)	0.104			
9/7/2021					0.12	0.347
9/13/2021	0.0212					
9/14/2021				0.27		
3/8/2022			0.0901			
3/9/2022	0.0196 (J)	0.0177 (J)				
3/16/2022				0.211	0.0914	0.271
9/19/2022					0.101	0.261
9/20/2022		0.023	0.177			
9/26/2022	0.0204			0.221		
Mean	0.0206	0.01986	0.09299	0.2426	0.1098	0.2959
Std. Dev.	0.0006442	0.001476	0.05294	0.02573	0.01031	0.04812
Upper Lim.	0.02168	0.0214	0.1491	0.27	0.1207	0.3469
Lower Lim.	0.01952	0.01835	0.03687	0.211	0.09887	0.2449

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		0.229	0.0822			
4/29/2019	0.0729					
8/27/2019	0.0741					
8/28/2019		0.237	0.0853			
3/2/2020		0.237				
3/3/2020			0.0877			
3/4/2020	0.0851					
10/14/2020	0.0651					
10/15/2020						0.0815
10/20/2020			0.0785	0.12	0.143	
10/21/2020		0.193				
4/26/2021	0.0758					
4/27/2021				0.13	0.156	0.0818
4/28/2021			0.0865			
5/3/2021		0.228				
9/1/2021	0.0716		0.0856	0.13	0.16	0.0827
9/8/2021		0.229				
3/8/2022				0.105	0.139	0.0682
3/14/2022		0.189				
3/15/2022	0.0575					
3/16/2022			0.0731			
9/20/2022		0.195		0.108	0.155	
9/21/2022			0.0774			0.0642
9/26/2022	0.0674					
Mean	0.07119	0.2171	0.08204	0.1186	0.1506	0.07568
Std. Dev.	0.008152	0.02088	0.005199	0.01182	0.009072	0.00878
Upper Lim.	0.07983	0.237	0.08755	0.1384	0.1658	0.0827
Lower Lim.	0.06255	0.189	0.07653	0.09879	0.1354	0.0642

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		0.134
8/29/2019		0.164
3/2/2020		0.147
10/15/2020	0.0413	
10/21/2020		0.127
4/27/2021	0.045	
5/3/2021		0.177
9/1/2021	0.0464	
9/8/2021		0.17
3/8/2022	0.04	
3/14/2022		0.143
9/20/2022		0.138
9/21/2022	0.0421	
Mean	0.04296	0.15
Std. Dev.	0.002658	0.01817
Upper Lim.	0.04741	0.1693
Lower Lim.	0.03851	0.1307

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-15	MR-AP-MW-3S	MR-AP-MW-5	MR-AP-PZ-5
4/22/2019		0.000318 (J)		
4/23/2019			0.000319 (J)	0.000311 (J)
4/24/2019	0.000316 (J)			
8/27/2019		<0.0005		
8/28/2019	<0.0005		<0.0005	
8/29/2019				<0.0005
3/2/2020			<0.0005	<0.0005
3/3/2020		<0.0005		
3/4/2020	<0.0005			
10/13/2020	<0.0005	<0.0005		
10/21/2020			<0.0005	<0.0005
4/26/2021	<0.0005			
5/3/2021			<0.0005	<0.0005
5/5/2021		<0.0005		
9/1/2021	<0.0005			
9/7/2021		<0.0005		
9/8/2021			<0.0005	<0.0005
3/9/2022	<0.0005			
3/14/2022			<0.0005	<0.0005
3/16/2022		<0.0005		
9/19/2022		<0.0005		
9/20/2022	<0.0005		<0.0005	<0.0005
Mean	0.000477	0.0004773	0.0004774	0.0004764
Std. Dev.	6.505E-05	6.435E-05	6.399E-05	6.682E-05
Upper Lim.	0.0005	0.0005	0.0005	0.0005
Lower Lim.	0.000316	0.000318	0.000319	0.000311

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-1	MR-AP-MW-10	MR-AP-MW-11	MR-AP-MW-12	MR-AP-MW-13DR	MR-AP-MW-13SR
10/8/2018				0.31		
4/24/2019		0.121				
5/1/2019	0.00932 (J)		<0.0002			
8/27/2019	0.00563 (J)					
8/28/2019			<0.0002	0.646		
8/29/2019		0.158				
3/3/2020			<0.0002			
3/9/2020	0.0142	0.223				
3/10/2020				0.49		
10/19/2020	0.0116	0.305		0.858		
10/20/2020			<0.0002		0.00206 (J)	0.00311 (J)
4/20/2021	0.0072					
4/21/2021			0.000741		0.00592	0.00029
5/3/2021		0.296				
5/5/2021				0.662		
9/7/2021				0.821	0.00355	0.00017 (J)
9/8/2021	0.00649					
9/14/2021			0.00075			
9/15/2021		0.352				
3/9/2022					0.00325	0.00014 (J)
3/15/2022	0.00568					
3/16/2022			0.00039			
3/17/2022		0.751		1.17		
9/19/2022	0.00547				0.0034	0.00011 (J)
9/20/2022			0.00148			
9/26/2022		0.74		0.555		
Mean	0.008199	0.3683	0.0005201	0.689	0.003636	0.000764
Std. Dev.	0.003233	0.2451	0.0004551	0.2622	0.001406	0.001313
Upper Lim.	0.01147	0.615	0.00148	0.9669	0.005993	0.00311
Lower Lim.	0.005066	0.1401	0.0002	0.4111	0.001279	0.00011

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-14R	MR-AP-MW-15	MR-AP-MW-16	MR-AP-MW-2	MR-AP-MW-3D	MR-AP-MW-3S
4/22/2019						0.068
4/24/2019		<0.0002	0.0148			
4/29/2019					0.0265	
5/1/2019				<0.0002		
8/27/2019				<0.0002	0.026	0.0557
8/28/2019		<0.0002	0.107			
3/3/2020			0.025	<0.0002	0.024	0.0648
3/4/2020		<0.0002				
10/13/2020		<0.0002	0.0494		0.0265	0.0517
10/20/2020	<0.0002					
10/21/2020				0.00458 (J)		
4/21/2021	0.000157 (J)		0.0515			
4/26/2021		<0.0002		0.0018		
5/5/2021					0.0243	0.0449
9/1/2021		8E-05 (J)	0.0336			
9/7/2021					0.0254	0.0511
9/13/2021	9E-05 (J)					
9/14/2021				0.0021		
3/8/2022			0.0418			
3/9/2022	0.00012 (J)	0.00011 (J)				
3/16/2022				0.00207	0.0266	0.0488
9/19/2022					0.0264	0.0506
9/20/2022		0.000518	0.0863			
9/26/2022	<0.0002			0.00166		
Mean	0.0001534	0.0002135	0.05118	0.001601	0.02571	0.05445
Std. Dev.	4.871E-05	0.0001321	0.03107	0.001477	0.001043	0.008009
Upper Lim.	0.0001683	0.000518	0.08411	0.003024	0.0266	0.06294
Lower Lim.	7.642E-05	8E-05	0.01824	0.0002609	0.024	0.04596

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-4	MR-AP-MW-5	MR-AP-MW-6	MR-AP-MW-7DR	MR-AP-MW-7SR	MR-AP-MW-9DR
4/23/2019		0.0731	0.00479 (J)			
4/29/2019	<0.0002					
8/27/2019	<0.0002					
8/28/2019		0.0709	0.00285 (J)			
3/2/2020		0.0725				
3/3/2020			0.00282 (J)			
3/4/2020	<0.0002					
10/14/2020	<0.0002					
10/15/2020						<0.0002
10/20/2020			<0.0002	0.00424 (J)	0.0356	
10/21/2020		0.0877				
4/26/2021	8.18E-05 (J)					
4/27/2021				0.00393	0.0324	0.00031
4/28/2021			0.00135			
5/3/2021		0.0726				
9/1/2021	7E-05 (J)		0.00174	0.00458	0.0351	0.00035
9/8/2021		0.0733				
3/8/2022				0.00515	0.0333	0.00121
3/14/2022		0.0753				
3/15/2022	0.00011 (J)					
3/16/2022			0.00145			
9/20/2022		0.0901		0.00717	0.0328	
9/21/2022			0.00202			0.000304
9/26/2022	0.000153 (J)					
Mean	0.0001518	0.07694	0.002152	0.005014	0.03384	0.0004748
Std. Dev.	5.686E-05	0.007509	0.001364	0.001287	0.001426	0.0004147
Upper Lim.	0.0002	0.0901	0.003598	0.007171	0.03623	0.001055
Lower Lim.	7E-05	0.0709	0.0007066	0.002857	0.03145	0.0001373

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-9SR	MR-AP-PZ-5
4/23/2019		<0.0002
8/29/2019		<0.0002
3/2/2020		<0.0002
10/15/2020	0.00213 (J)	
10/21/2020		<0.0002
4/27/2021	0.0015	
5/3/2021		0.000438
9/1/2021	0.00047	
9/8/2021		0.00029
3/8/2022	0.00027	
3/14/2022		0.00033
9/20/2022		0.000184 (J)
9/21/2022	0.000302	
Mean	0.0009344	0.0002552
Std. Dev.	0.0008376	9.062E-05
Upper Lim.	0.002338	0.000438
Lower Lim.	-0.0004692	0.000184

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-13SR	MR-AP-MW-16	MR-AP-MW-4
4/24/2019		<0.00102	
4/29/2019			<0.00102
8/27/2019			<0.00102
8/28/2019		<0.00102	
3/3/2020		0.00271 (J)	
3/4/2020			<0.00102
10/13/2020		0.00351 (J)	
10/14/2020			<0.00102
10/20/2020	<0.00102		
4/21/2021	<0.00102	0.000975 (J)	
4/26/2021			0.00112
9/1/2021		0.00629	0.00077 (J)
9/7/2021	<0.00102		
3/8/2022		0.00171	
3/9/2022	<0.00102		
3/15/2022			<0.00102
9/19/2022	0.000598 (J)		
9/20/2022		<0.00102	
9/26/2022			<0.00102
Mean	0.0009356	0.002282	0.001001
Std. Dev.	0.0001887	0.001873	9.978E-05
Upper Lim.	0.00102	0.00629	0.00112
Lower Lim.	0.000598	0.000975	0.00077

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2022 1:25 PM View: Appendix IV - Confidence Intervals

Plant Miller Client: Southern Company Data: Miller Ash Pond

	MR-AP-MW-13SR	MR-AP-MW-16	MR-AP-MW-4
4/24/2019		<0.0002	
4/29/2019			<0.0002
8/27/2019			<0.0002
8/28/2019		<0.0002	
3/3/2020		<0.0002	
3/4/2020			<0.0002
10/13/2020		<0.0002	
10/14/2020			<0.0002
10/20/2020	<0.0002		
4/21/2021	7.01E-05 (J)	7.18E-05 (J)	
4/26/2021			<0.0002
9/1/2021		<0.0002	<0.0002
9/7/2021	8E-05 (J)		
3/8/2022		7E-05 (J)	
3/9/2022	0.00013 (J)		
3/15/2022			7E-05 (J)
9/19/2022	0.000159 (J)		
9/20/2022		<0.0002	
9/26/2022			<0.0002
Mean	0.0001278	0.0001677	0.0001837
Std. Dev.	5.433E-05	5.976E-05	4.596E-05
Upper Lim.	0.0001707	0.0002	0.0002
Lower Lim.	4.882E-05	7E-05	7E-05