

2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ALABAMA POWER COMPANY PLANT GASTON 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 Gaston 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), ADEM Admin. Code r. 335-13-15, and Part E of ADEM Administrative Order No. 18-095-GW, 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

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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D) and 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 Gaston 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 Gaston 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.18-095-GW. The ACM was subsequently submitted to ADEM and posted to the Site's CCR compliance website. A public meeting to discuss the ACM was held on July 6, 2020.

Since the submittal of the ACM, extensive Site investigations have been performed to support the effort 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.18-095-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, lithium, and molybdenum were detected above GWPS during the semi-annual monitoring events of 2022. The following summarizes monitoring period activities conducted:

- 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 groundwater monitoring event between April 19, 2022, and May 3, 2022.
- Submitted the 2022 First Semi-Annual Groundwater Monitoring and Corrective Action Report on July 31, 2022.
- Completed the second semi-annual groundwater monitoring event between August 29, 2022, and September 7, 2022.
- Installed multi-parameter monitoring instruments in select wells during September and October 2022 as a tool for evaluating groundwater conditions during closure and in-between sampling events.

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:

- Continue with phase 1 implementation of the Permeation Grouting Pilot Program for the remediation of arsenic, lithium, and molybdenum.
- Conduct the first semi-annual monitoring event of 2023 and submit the semi-annual groundwater monitoring report to ADEM by July 31, 2023.

An **Executive 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 Gaston - 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	GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22.
Calcium	GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22.
Chloride	GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22.
Fluoride	None.
pH	GN-AP-MW-17.
Sulfate	GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22.
TDS	GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22.

Appendix IV SSLs

Parameter	Wells
Lithium	GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-20.
Molybdenum	GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-20.
Combined Radium 226 + 228	GN-AP-MW-20.

* See the attached report for further details regarding statistical exceedances and alternate source demonstrations.

Assessment of Corrective Measures & Groundwater Remedy

Assessment of Corrective Measures

Date Initiated: January 13, 2019
Date Complete: June 12, 2019
Public Meeting Date: July 6, 2020

Groundwater Remedy

Selected During Period: Yes
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

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 Gaston 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 40 CFR § 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 the selected groundwater remedies identified in the Groundwater Remedy Selection Report. In accordance with CFR § 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 Ash Pond during sampling events conducted in 2019. 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 18-095-GW.

An Alternate Source Demonstration (ASD) for combined radium 226 + 228 was submitted as an appendix in the 2018 Annual Groundwater Monitoring and Corrective Action Report on January 31, 2019. In response to ADEM comments on the ASD, the ASD was updated and submitted along with the 2020 Annual Groundwater Monitoring Report. This ASD was approved by ADEM in a correspondence letter dated June 30, 2021.

A 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 ADEM Administrative Order AO 18-095-GW. Subsequently, within 90 days of remedy selection, a Corrective Action Groundwater Monitoring Program was developed and submitted to ADEM on February 28, 2022.

In accordance with § 257.98 and ADEM Admin. Code r. 335-13-15-.06(9), APC will continue semi-annual monitoring, including all monitoring wells in the certified groundwater monitoring system and any well installed to characterize the horizontal and vertical extent of SSLs.

3.0 SITE LOCATION AND DESCRIPTION

APC's E.C. Gaston Steam Plant (Plant Gaston) is in Shelby County, Alabama. The physical address is 31972 Alabama Highway 25, Wilsonville, AL 35186. Plant Gaston lies in Section 1, Township 21 South, Range 1 East, Sections 5 and 6, Township 21 South, Range 2 East, and Sections 31 and 32, Township 20 South, Range 2 East data are based on visual inspection of USGS topographic quadrangle maps and GIS maps (USGS, 1980, 1982a, 1982b, 1983).

The Ash Pond is located south-southwest of the main plant along the Coosa River. **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 Gaston's topography is characterized by a flat valley adjacent to the Coosa River. Elevations typically range from 400 to 600 feet above mean sea level (MSL) in the Coosa Valley district of the Valley and Ridge physiographic province. The Coosa Valley extends approximately 20 miles (Sapp and Emplainscourt, 1975). Local topography is characterized by moderate relief with elevations ranging from approximately 395 MSL along the eastern plant boundary to approximately 530 feet MSL at a hilltop in the southwestern portion of the plant. **Figure 2, Site Topographic Map**, provides the topography of the Site.

3.2 SITE GEOLOGY AND HYDROGEOLOGY

Plant Gaston is located in the Coosa Valley district of the Valley and Ridge Physiographic Province of central Alabama. The geologic units on the property have been folded and faulted at various intervals, and several faults consisting of low-to-high angle thrust faults and some normal faults are present. Fault sets trend obliquely to one another in the northeastern portion of the plant, resulting in a series of imbricate thrust slices of Fort Payne chert, Parkwood and Floyd shales, and Newla limestone (Frings, 1980).

The plant is on a portion of the Valley and Ridge province known as the Coosa deformed belt, which is a long, sinuous, structurally complex zone that can be subdivided laterally into three segments by two lateral offsets. (GSA, 2010b) The Coosa deformed belt is situated on the Yellowleaf thrust sheet, which is a shallowly detached structural complex with small-scale, commonly isoclinal parasitic folding (McIntyre, *et al.*, 2010). Two lateral offsets subdivide the belt, the Harpersville offset and the Reeds Mill offset. The Harpersville offset is located on the southwest end of the Coosa deformed belt and lies just northeast of the plant.

The boundaries of the Coosa deformed belt are delineated by the Coosa synclinorium to the north and the Pell City thrust fault to the south. Most structures in the belt trend northeast-southwest, although a northwest-southeast trend is encountered in the plant area. Imbricate thrust slices of sedimentary Paleozoic rocks comprise the geological material of the belt (Frings, 1981). The area is underlain by a structurally complex Paleozoic sequence of sedimentary rocks that range from Cambrian to Mississippian in age. Carbonate rocks comprise the bulk of the Cambrian and Ordovician rocks, and cherty limestone, sandstone, and shale comprise the Mississippian-age units. Also present in some portions of the plant is a thin unit of Devonian-age sandstone or shale.

Near the Ash Pond, the shallow subsurface bedrock geology is composed entirely of dolomites of the Knox Group. Boring logs from various on-Site investigations indicate that the Ash Pond is underlain by 11 to 63-foot-thick layer of residual clay, mainly formed by the in-situ weathering of the underlying Cambrian-Ordovician-age Knox dolomite. The actual thickness of the natural overburden may be lower than 63 feet, since fill and embankment material were used around the periphery of the Ash Pond. At the Site, the Knox dolomite is characterized as a light to medium gray, fine-grained dolostone with bedded chert.

Evidence of faulting was not observed in core samples and no faults have been mapped underneath the Ash Pond. A small splay thrust fault has been mapped in the area (Szabo, 1969, Frings, 1981). This splay fault has been interpreted to cross the river near the location of the coal pile and trends to the northwest approximately 500 to 1,500 feet to the north of the Ash Pond. Locally, this splay fault marks the transition from the older Knox dolomite to the Pennsylvanian-aged Parkwood Formation.

Figure 3, Site Geologic Map, illustrates the surface geology at the Site and neighboring areas. **Figure 4A Geologic Cross-Section A-A'**, **Figure 4B Geologic Cross-Section B-B'**, and **Figure 4C Geologic Cross-Section C-C'**, provide an illustration of well screen intervals with respect to stratigraphy and elevation at the Site

3.2.1 Uppermost Aquifer

The Valley and Ridge aquifer system, found in the Coosa, Cahaba, Birmingham-Big Canoe, and Murphrees Valleys, includes the Weisner Formation, Shady Dolomite, Conasauga Formation, Copper Ridge and Chepultepec Dolomites, and the Longview, Newala, Lenoir, and Little Oak Limestones. In some areas, the Knox Group includes Copper Ridge, Chepultepec, Longview, and Newala united as one group. This aquifer system includes the Ketona, Brierfield, and Bibb Dolomites in Shelby County. Other rock units of Cambrian to Devonian age are included within the Valley and Ridge aquifer system, due to the fact they do

not form effective barriers to ground water movement among permeable units of the system. However, these other units are not significant sources of ground water (Kopaska-Merkel *et al.*, 2005).

At the Site, the uppermost aquifer consists of Knox dolomite. Wells were generally screened in fractured or weathered intervals of Knox dolomite, where permeability is enhanced. Depths to these intervals are highly variable at the Site and range from 35 to nearly 125 feet below ground surface (BGS) excluding delineation wells.

3.2.2 Flow Interpretation

The local groundwater flow pattern at the Site is generally towards the north-northwest, west, north-northeast, and east. A topographic high directly to the south of the pond forms a localized groundwater divide and provides space for upgradient monitoring locations. Groundwater flow in these areas is towards the Plant Gaston rim ditch located along the boundary of the Ash Pond. Groundwater flow at the Site occurs via fractured flow and other secondary discontinuities within the rock fabric such as weathered zones and bedding planes.

3.3 GROUNDWATER MONITORING SYSTEM

Pursuant to § 257.91 and ADEM Admin. Code r. 335-13-15-.06(2), Plant Gaston 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, lateral 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

The detection and compliance groundwater monitoring network consists of 20 monitoring wells installed around the perimeter of the Ash Pond and 5 additional upgradient wells installed on the adjacent side of the Coosa River east-southeast of the Ash Pond. Horizontal and vertical delineation wells were added in three phases of delineation beginning in late 2018. Monitoring and delineation well locations are presented in **Figure 5, Monitoring Well Location Map.**

3.3.1.1 Upgradient Wells

Data used to establish background water quality or selection of upgradient wells include (1) review of groundwater elevation data and potentiometric surface contour maps to determine groundwater flow direction and (2) a screening of Appendix III CCR indicator parameters for apparently elevated concentrations of indicator parameters. In 2019, Ash Pond closure activities necessitated the abandonment of GN-AP-MW-2 located southwest of the Ash Pond. If an upgradient well is abandoned due to pond closure activities or by an unforeseen circumstance, the historical data from that well will remain in the upgradient data pool and therefore, the well remains part of the upgradient network by legacy. Data collected from GN-AP-MW-2 will continue to be used for statistical analysis for the Site. Monitoring well location GN-AP-MW-3 will serve as upgradient background monitoring location for the Ash Pond as determined by water level monitoring and potentiometric surface maps constructed for the Site.

With ADEM approval additional upgradient wells were installed east-southeast of the Ash Pond in February 2021. Suitability of these well locations as viable background or upgradient have been evaluated as described in the Site Groundwater Monitoring Plan (April 2020, August 2020) and are included as upgradient locations in the most recent statistical analyses report.

These locations have been evaluated as viable upgradient wells following a third round of analytical data gathered in April 2022. Wells GN-AP-MW-38 through GN-AP-MW-42 are suitable as upgradient wells because:

- (1) The wells are located on the opposite side of the river which forms hydraulic divide or barrier to groundwater flow from the north.
- (2) The wells were installed in similar carbonate dominated lithology.
- (3) Low concentrations of Appendix III parameters confirm that the locations have not been impacted by the Ash Pond.

Upgradient wells were generally installed across middle sections of the Knox Dolomite. The lone exception is upgradient well location, GN-AP-MW-39, which is interpreted to be installed across a structural contact and the metasedimentary Wash Creek Slate unit. **Table 1a, Compliance Monitoring Well Network Details** summarizes well construction details for upgradient monitoring well locations. A summary of key Appendix III concentrations observed in these locations follows this paragraph.

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LOCATION	Analyte	Times Sampled	Min	Max	Average	Units	Non- Detect Results	JFlagged Results
GN-AP-MW-42	Boron	4	0.1015	0.1015	0.1015	mg/L	4	0
	Sulfate	4	2.25	4.92	3.36	mg/L	0	0
	Chloride	4	3.29	4.18	3.82	mg/L	0	0
	pH_Field	4	5.87	6.31	6.10	SU	0	0
	Calcium	4	11	15.4	12.9	mg/L	0	0
GN-AP-MW-40	Boron	4	0.034	0.1015	0.085	mg/L	3	1
	Chloride	4	1.74	4.13	2.52	mg/L	0	0
	Sulfate	4	0.934	7.23	2.87	mg/L	1	1
	pH_Field	4	7.12	7.77	7.58	SU	0	0
	Calcium	4	21.3	22.9	21.9	mg/L	0	0
GN-AP-MW-41	Boron	4	0.1015	0.1015	0.1015	mg/L	4	0
	Sulfate	4	1.37	2.99	2.01	mg/L	0	1
	Chloride	4	2.15	3.05	2.67	mg/L	0	0
	pH_Field	4	6.8	7.3	7.09	SU	0	0
	Calcium	4	26.6	31.7	29.2	mg/L	0	0
GN-AP-MW-38	Boron	4	0.1015	0.1015	0.1015	mg/L	4	0
	Chloride	4	4.26	6.09	5.37	mg/L	0	0
	Sulfate	4	2.72	12.6	5.99	mg/L	0	0
	pH_Field	4	7.85	8.09	7.96	SU	0	0
	Calcium	4	22.3	23.3	23.0	mg/L	0	0
GN-AP-MW-39	Boron	4	0.1015	0.1015	0.1015	mg/L	4	0
	Chloride	4	2.06	2.94	2.53	mg/L	0	0
	pH_Field	4	6.85	7.3	7.08	SU	0	0
	Sulfate	4	11.4	14.6	13.3	mg/L	0	0
	Calcium	4	35	36.4	36.0	mg/L	0	0

3.3.1.2 Downgradient Wells

Monitoring well locations GN-AP-MW-4 through GN-AP-MW-22 are used as downgradient locations for the Ash Pond. Downgradient locations are located west, north, and east of the Ash Pond as determined by water level monitoring and potentiometric surface maps constructed for the Site. Downgradient wells were installed across upper and middle sections of the Knox Dolomite. Individual screened horizons were selected based upon water availability, groundwater recharge rates, and/or guided by surficial geophysical methods to target potential preferential flow paths. **Table 1a** summarizes well construction details for downgradient monitoring well locations.

3.3.1.3 Delineation Wells

Pursuant to § 257.95(g)(1), ADEM Admin. Code r. 335-13-15-.06(6)(g)2., and AO 18-095-GW, additional monitoring wells were installed to characterize the horizontal and vertical extent of GWPS exceedances identified during assessment monitoring. Delineation occurred in three distinct phases beginning in December 2018 and ending in March 2020. Delineation wells were installed across upper, middle, and lower Knox intervals to assess potential impacts. **Table 1b, Delineation Well Network Details** summarizes well construction details for delineation wells installed since December 2018. Additionally, delineation wells are identified on **Figure 5** with distinct symbology to represent horizontal or vertical delineation. All delineation wells are sampled semi-annually as part of the semi-annual groundwater monitoring program.

3.3.1.4 Monitoring Well Replacement and Abandonment

During the monitoring period, no monitoring well replacement or abandonment activities occurred. **Table 1c, Abandoned Well Network Details** provides a list of monitoring wells previously abandoned and summarizes their historical well construction details and design purpose.

3.4 GROUNDWATER MONITORING HISTORY

In accordance with § 257.94(b) and ADEM Admin. Code r. 335-13-15-.06(5)(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 groundwater samples were collected over the period of March 2016 to June 2017. Semi-annual groundwater monitoring was initiated at the Ash Pond in August 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 January 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 18-095-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

December 2018 and June 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 first semi-annual sampling event in February 2020. However, occasionally, additional data collection has occurred independent of routine compliance sampling events to support continuing assessment activities at the Site (e.g., Phase III delineation sampling).

3.4.1 Available Monitoring Data

Laboratory analytical data is available for the groundwater monitoring history outlined in **Section 3.4**. Tabulated results for Appendix III and Appendix IV constituents by monitoring well are included in **Appendix A, Analytical Data Summary**.

3.4.2 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 3.2.2**. 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, new 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**.

3.4.3 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.

3.5 GROUNDWATER SAMPLING AND ANALYSIS

Site compliance wells are 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 in 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.

3.5.1 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 Gaston 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 NTU.
- Temperature and ORP – record only, no stabilization criteria.

During purging and sampling, an AquaTroll 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 for the monitoring events is included in **Appendix C, Laboratory and Field Records**.

3.5.2 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.

3.5.3 Chain of Custody

A chain-of-custody (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**.

3.5.4 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. Laboratory analytical data reports for the monitoring events are presented in **Appendix C**.

3.5.5 Monitoring Period Sampling Events

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 took place between April 19, 2022, and May 3, 2022. The second semi-annual monitoring event took place between August 29, 2022, and September 7, 2022.

Groundwater samples were analyzed for the full list of Appendix III and Appendix IV parameters during the corrective action monitoring events. During the 2022 sampling events, 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 event 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)(f)3.

4.0 GROUNDWATER ELEVATIONS AND FLOW

During the first semi-annual sampling event, groundwater elevations ranged from 396.11 to 429.37 feet NAVD88 (feet above reference 1988 North American Vertical Datum). **Figure 6A, Potentiometric Surface Contour Map (April 18, 2022)** depicts groundwater elevations and inferred groundwater flow direction from higher elevation to lower.

During the second semi-annual sampling event, groundwater elevations ranged from 395.06 to 424.52 feet NAVD88 (feet above reference 1988 North American Vertical Datum). **Figure 6B, Potentiometric Surface Contour Map (August 29, 2022)** depicts groundwater elevations and inferred groundwater flow direction from higher elevation to lower.

As shown on **Figures 6A and 6B**, groundwater generally flows radially away from the Site with some flow toward the Site coming from the hillside to the south. Also as shown on **Figures 6A and 6B**, there is an upward vertical gradient from wells installed at deeper intervals to those installed at more shallow intervals along the river side of the Ash Pond. This implies that groundwater is flowing vertically upward to more shallow intervals and discharging to the Coosa River. This upward vertical gradient appears to occur between Lower Knox and Middle Knox intervals as well as Middle Knox to Upper Knox intervals. The presence of vertical gradients demonstrates varying degrees of hydraulic confinement between Knox Dolomite intervals beneath the Site.

Potentiometric surfaces also show that groundwater flow proximal to recently installed and potential upgradient locations are generally towards the west and the Coosa River. This demonstrates that the Coosa River is a groundwater flow divide, and hydraulically, supports an upgradient designation for wells GN-AP-MW-38 through GN-AP-MW-42. Recent groundwater elevations for the Site have been tabulated and included in **Table 3, Groundwater Elevations Summary**.

4.1 GROUNDWATER ELEVATION CHANGES

Groundwater elevations in multiple well locations have been identified as potential lower bound outliers based upon historical groundwater elevation data and screening with Interquartile Range ($1.5 \times \text{IQR}$) statistics. While no significant groundwater flow pattern changes have been noted, the active de-watering of the ash pond has had a detectable impact in groundwater elevations observed.

Following the first semi-annual monitoring event, groundwater elevations were noticeably lower in wells GN-AP-MW-16 and GN-AP-MW-17.

Well	Lowerbound GW Elevation Threshold (IQR)	GW Elevation 4/18/2022	Distance below Lowerbound GW Elevation
GN-AP-MW-16	400.94	399.87	-1.07
GN-AP-MW-17	407.23	403.49	-3.74

Continued decline in groundwater elevations occurred in August 2022 during the second semi-annual monitoring event. A review of groundwater elevation data identified 11 well locations displaying groundwater elevations below the lower bound threshold. Except for well GN-AP-MW-13, these locations are clustered along the eastern and western dikes where active dewatering is on-going (eastern area) or has occurred (clear pool dewatering to the west).

Well	Lowerbound GW Elevation Threshold (IQR)	GW Elevation 8/29/2022	Distance below Lowerbound GW Elevation
GN-AP-MW-3	425.18	424.82	-0.36
GN-AP-MW-4	416.52	413.49	-3.03
GN-AP-MW-6	413.48	411.02	-2.46
GN-AP-MW-13	423.29	421.78	-1.51
GN-AP-MW-15R	400.27	395.06	-5.21
GN-AP-MW-16	400.76	398.62	-2.14
GN-AP-MW-17	407.17	401.85	-5.32
GN-AP-MW-18	395.42	395.4	-0.01
GN-AP-MW-20	397.30	396.35	-0.95
GN-AP-MW-21	412.83	410.4	-2.43
GN-AP-MW-22	410.82	410.36	-0.46

Further review shows that declines in groundwater elevation are consistent with developing trends that have begun over the most recent years.

Beginning in April-July 2020, the following decreasing groundwater elevation trends are noted in wells:

- GN-AP-MW-17
- GN-AP-MW-16V
- GN-AP-MW-29H
- GN-AP-MW-37V
- GN-AP-MW-17V

Beginning in March 2021, the following decreasing groundwater elevation trends are noted in wells:

- GN-AP-MW-5
- GN-AP-MW-6
- GN-AP-MW-21
- GN-AP-MW-22
- GN-AP-PZ-23S
- GN-AP-PZ-23D
- GN-AP-MW-27
- GN-AP-MW-17V
- GN-AP-MW-17SV
- GN-AP-MW-28H
- GN-AP-MW-35H

Additionally, vertical delineation well GN-AP-MW-32V has demonstrated a steadily decreasing trend since installation and first measurement (February 2020). This may be related to limited yield in the aquifer connected to this well and/or a combination of factors.

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 weathered zones or intervals of more concentrated or unhealed fractures. Therefore, groundwater flow velocity at the Site cannot be accurately quantified using existing Site data. Slug testing provided horizontal hydraulic conductivities for the uppermost aquifer between 4.36×10^{-4} cm/sec and 0.022 cm/sec with an average of 6.02×10^{-3} cm/sec.

5.0 EVALUATION OF GROUNDWATER QUALITY DATA

During each sampling event, quality assurance/quality control samples (QA/QC) are collected at a rate of one sample per every group of 10 well samples. These QA/QC samples include well duplicates, equipment blanks, and field blanks. Routine analyses of field QA/QC samples are a method for evaluating whether artificial bias could have been introduced into lab results by ways of sampling activities or equipment.

5.1 DATA VALIDATION – QUALITY ASSURANCE/QUALITY CONTROL

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 are 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 could potentially result in qualified data. **Table 4A, Relative Percent Difference Calculations**, provides the relative percent differences for sample and sample duplicates during the monitoring period. All RPDs were below 20% for the monitoring period.

Analytical data reviewed provided low-level or trace detections in field and/or equipment blanks during the monitoring period. **Table 4B, Field QC: Blank Detections** provides a summary of low-level detections observed during the monitoring period. Each of these 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, original results on the (1) date of a blank

detection and (2) with a value less than 5 times the field QC detection are flagged with a (+) U* and MDL/RL values modified based upon the blank concentration.

Validated flags do not have an impact on possible statistical analyses due to: (1) low-level concentrations flagged during validation and/or (2) constituents flagged are not Site COI. The extent of trace chromium detections in blanks can be explained by a low MDL value of 0.000203 mg/L.

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

Interwell prediction limits, combined with a 1-of-2 verification strategy, were constructed for boron, calcium, chloride, fluoride, pH, sulfate, and TDS. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the same limit for each parameter. If the most recent sample exceeds its respective background statistical limit, an initial statistically significant increase (SSI) is identified.

Groundwater Stats Consulting demonstrated that these test methods were appropriate in the October 2017 Statistical Analysis Plan, which was updated in the September 2019 data screening evaluation and also, included in the revised Statistical Analysis Plan (August 2020). 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 were made:

- 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 used in the statistical analysis. The reporting limit used 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.
- Non-parametric prediction limits are used on data containing greater than 50% non-detects.

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 upon 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 **3.4.3**), the GWPS is:

- (1) The maximum contaminant level (MCL) established under 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. GWPS for Appendix

IV constituents are updated on a biennial schedule. This schedule was initiated in 2019 with updates generally occurring after the second semi-annual sampling event of each biennial year. Data from upgradient wells collected between updates may still be used to support ASDs if merited.

5.3 STATISTICAL EXCEEDANCES

Analytical data from the monitoring period was statistically analyzed in accordance with the Professional Engineer (PE)-certified Statistical Analysis Plan, published October 2017 and revised 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 Analysis**, 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 during the semi-annual monitoring events of 2022.

5.3.2.1 First Semi-Annual Groundwater Monitoring Event

During the first semi-annual monitoring event, statistical analysis of Appendix IV data incorporating limits defined in the 2019 ADEM Variance (section **3.4.3**) identified the following SSLs over GWPS at the listed downgradient wells:

- GN-AP-MW-15R: Molybdenum.
- GN-AP-MW-16: Lithium, Molybdenum.
- GN-AP-MW-17: Lithium, Molybdenum.
- GN-AP-MW-18: Lithium

- GN-AP-MW-20: Lithium, Molybdenum.

Between the Fall 2021 and Spring 2022 sampling events, lithium concentrations in GN-AP-MW-15R declined below GWPS. Lithium concentrations in well GN-AP-MW-15R have been below the GWPS during the previous two sampling events as part of a significant downward trend that began between September 2019 and February 2020.

Table 6, First Semi-Annual Monitoring Event Analytical Results Summary, provides a summary of all detected constituents for the first semi-annual sampling event.

5.3.2.2 Delineation Wells

Statistical analyses are not conducted on Site delineation wells. However, a review of analytical data derived from delineation wells identified concentrations above GWPS for the following well, parameter pairs:

- GN-AP-MW-16V: Lithium, Molybdenum.
- GN-AP-MW-17SV: Lithium, Molybdenum.
- GN-AP-MW-17V: Combined Radium 226 + 228, Lithium, Molybdenum.
- GN-AP-MW-20SV: Molybdenum.
- GN-AP-MW-20V: Lithium, Molybdenum.
- GN-AP-MW-28H: Combined Radium 226+228, Lithium, Molybdenum.
- GN-AP-MW-29H: Combined Radium 226+228, Lithium, Molybdenum.
- GN-AP-MW-32V: Lithium,
- GN-AP-MW-33V: Arsenic, Lithium
- GN-AP-MW-34V: Molybdenum.
- GN-AP-MW-37V: Lithium, Molybdenum.

5.3.2.3 Second Semi-Annual Groundwater Monitoring Event

During the second semi-annual monitoring event, statistical analysis of Appendix IV data incorporating limits defined in the 2019 ADEM Variance (section 3.4.3) identified the following SSLs over GWPS at the listed downgradient wells:

- GN-AP-MW-15R: Molybdenum.
- GN-AP-MW-16: Lithium, Molybdenum.
- GN-AP-MW-17: Lithium, Molybdenum.
- GN-AP-MW-18: Lithium
- GN-AP-MW-20: Lithium, Molybdenum, Combined Radium 226 + 228.

Table 7, Second Semi-Annual Monitoring Event Analytical Results Summary, provides a summary of all detected constituents for the second semi-annual sampling event.

5.3.2.4 Delineation Wells

Statistical analyses are not conducted on Site delineation wells. However, a review of analytical data derived from delineation wells identified concentrations above GWPS for the following well, parameter pairs:

- GN-AP-MW-16V: Lithium, Molybdenum.
- GN-AP-MW-17SV: Lithium, Molybdenum.
- GN-AP-MW-17V: Combined Radium 226 + 228, Lithium, Molybdenum.
- GN-AP-MW-20SV: Molybdenum.
- GN-AP-MW-20V: Lithium, Molybdenum.
- GN-AP-MW-28H: Combined Radium 226+228, Lithium, Molybdenum.
- GN-AP-MW-29H: Combined Radium 226+228, Lithium, Molybdenum.
- GN-AP-MW-32V: Lithium,
- GN-AP-MW-33V: Arsenic, Lithium
- GN-AP-MW-34V: Molybdenum.
- GN-AP-MW-37V: Lithium, Molybdenum.

An ASD for combined radium 226+228 was submitted as an appendix in the 2018 Annual Groundwater Monitoring and Corrective Action Report on January 31, 2019, demonstrating that the radium was naturally occurring. After providing additional information, the ASD was subsequently approved by ADEM in a correspondence letter dated June 30, 2021. Therefore, exceedances for combined radium have been shown to be naturally occurring and are not included as SSLs.

To address SSLs at the Site, an ACM was prepared to evaluate potential groundwater corrective measures for the occurrence of arsenic, molybdenum, and lithium in groundwater at the Site in accordance with

§ 257.96, ADEM Admin. Code r. 335-13-15-.06(7), and ADEM Administrative Order AO 18-095-GW. The ACM was submitted to ADEM and placed in the operating record on June 12, 2019. Since the completion of the ACM, additional investigations have culminated in the Groundwater Remedy Selection Report submitted in November 2021. This report documents in more detail selected remedies, positive impacts of pond closure, expected or potential performance, and high-level discussion of implementation.

6.0 GROUNDWATER ASSESSMENT AND CORRECTIVE ACTION

As required by Part E of the Order (AO 18-095-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 follow sections describe monitoring wells installed to delineate impacts to groundwater.

Phase I – Groundwater Investigation (November 2018 – March 2019)

Phase I was conducted between the dates of November 29, 2018 to March 8, 2019. **Table 1b** and **Figure 5**, present details of the CCR monitoring well network and locations of on-Site delineation wells. The following summarizes all activities that were completed during Phase I of groundwater delineation at the Site:

- Installation and sampling of five vertical delineation wells (GN-AP-MW-16V, GN-AP-MW-17V, GN-AP-MW-17SV, GN-AP-MW-20V, and GN-AP-MW-20SV) generally offset from the eastern waste boundary compliance wells and screened in the Unit 2 Knox Aquifer.
- Utilization and sampling of one previously installed deep piezometer (GN-AP-MW-23D) for vertical delineation southwest of the Ash Pond.
- Installation and sampling of two horizontal delineation wells (GN-AP-MW-28H and GN-AP-MW-29H) proximal to the eastern property boundary installed in the Unit 2 Knox Aquifer and in the direction of groundwater flow away from the facility.
- Utilization and sampling of three previously installed shallow piezometers (GN-AP-MW23S, GN-AP-MW-26, and GN-AP-MW-27) for horizontal delineation west of the Ash Pond.
- Collected five ash samples for waste characterization analyses from the Plant Gaston Ash Pond.
- Developed the eleven delineation wells between December 10, 2018 and February 18, 2019.
- Collected water samples from the delineation wells and three pre-existing Ash Pond piezometers between December 5, 2018 and March 8, 2019.
- Submitted a Semi-Annual Progress Report documenting groundwater investigation activities on March 30, 2019.
- Submitted to ADEM 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.
- Submitted an Assessment of Corrective Measures for the Ash Pond 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 (August 2019 – October 2019)

Following a review of data obtained from the Phase I Investigation, additional groundwater investigation was proposed to the Department in a Phase II Delineation Plan submitted August 15, 2019. Phase II was

conducted to complete vertical delineation along the eastern boundary of the Site. Phase II was conducted between the dates of August 28, 2019 to October 24, 2019. The following summarizes all activities that were completed during Phase II of groundwater delineation at the Site:

- Installed four vertical delineation wells (GN-AP-MW-31V, GN-AP-MW-32V, GN-AP-MW-33V, and GN-AP-MW-34V) and one horizontal delineation well (GN-AP-MW-30H) between August 28, 2019 and September 21, 2019.
- Completed semi-annual assessment groundwater sampling event between September 16, 2019 and September 25, 2019.
- Submitted a Semi-Annual Progress Report documenting groundwater investigation activities on September 30, 2019.
- Developed four delineation wells between October 15, 2019 and October 18, 2019. Well GN-AP-MW-31V did not produce sufficient water for development.
- Sampled the four delineation wells between October 21, 2019 and October 24, 2019. Delineation well GN-AP-MW-31V did not produce sufficient water to be sampled and was designated as a water level only piezometer.
- Abandoned 2 monitoring wells (GN-AP-MW-1, and GN-AP-MW-2) located south of the Ash Pond as needed due to pond closure activities.

Phase III – Groundwater Investigation (February 2020 – April 2020)

Following a review of data obtained from the Phase I and II Investigations, additional groundwater investigation was necessary to vertically delineate lithium and molybdenum southeast of the ash pond. Phase III was conducted between the dates of February 15, 2020 to April 30, 2020. The following summarizes all activities that were completed during Phase III of groundwater delineation at the Site:

- Installed four deep vertical delineation wells (GN-AP-MW-31VR, GN-AP-MW-35V, GN-AP-MW-36V, and GN-AP-MW-37V) between February 15, 2020 and March 28, 2020. Delineation well GN-AP-MW-31VR replaced previously installed GN-AP-MW-31V that did not produce sufficient water for sampling.
- Completed semi-annual assessment groundwater sampling event between February 17, 2020 and February 28, 2020.

- Submitted a Semi-Annual Progress Report documenting groundwater investigation activities on March 30, 2020.
- Developed the four delineation wells between April 7, 2020 and April 15, 2020. Partial development via air-lifting was also employed while the drilling team was on-Site in March 2020.
- Sampled the four delineation wells between April 29, 2020 and April 30, 2020.

6.2 NATURE AND ESTIMATED QUANTITY OF RELEASE

Part B of the Order requires 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 leachability testing of 5 ash samples and sampling of ash pore-water at 3 locations was conducted. Leachability testing was conducted for EPA Resource and Recovery Act (RCRA) heavy metals, while 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 constituents to groundwater.

6.3 DISCUSSION OF DELINEATION RESULTS

Three phases of delineation field activities were performed at the Plant Gaston Ash Pond. Successive, deeper vertical delineation wells were installed proximal to the river on the eastern side of the Ash Pond to continue the vertical delineation of lithium and molybdenum during Phase II and Phase III.

Prior to the installation of compliance monitoring wells, an ERI study was conducted to characterize potential preferential flow pathways through the rock mass and aid in the determination of well location targets and well screen intervals (depths). ERI is a non-invasive means of imaging subsurface features and materials. ERI results are presented as 2D transects or cross-sections that profile the electrical resistivity of subsurface materials. Lower resistivity zones can correspond to rock discontinuities, weathered layers/zones, and/or groundwater saturation. These ERI results were also used to help guide the depth and extent of vertical delineation.

6.3.1 Arsenic Delineation

Figure 7A, Arsenic Concentration Call-Out Map and **Figure 8A, Arsenic Concentration Along Geologic Cross Section B-B'**, shows arsenic concentrations from the first semi-annual sampling event. **Figure 9A, Arsenic Concentration Call-Out Map** and **Figure 10A, Arsenic Concentration Along**

Geologic Cross Section B-B', shows arsenic concentrations from the second semi-annual sampling event. As indicated on these figures, arsenic concentrations exceeded the GWPS at a single vertical delineation well, GN-AP-MW-33V, located southeast of the Ash Pond and screened across a middle to lower interval of the Knox Dolomite. Historically, arsenic in well GN-AP-MW-33V has exceeded the GWPS 4 of 7 times sampled with an average concentration of 0.011 mg/L. Arsenic concentrations appear to be dependent or driven by DO, iron, and ORP. Arsenic along with iron and DO have shown decreasing trends over the previous 3 sampling events. Additionally, arsenic concentrations are negatively and poorly correlated with chloride, conductivity, and sulfate. Negative correlations with CCR indicator parameters imply an alternate source or a sequestered source of arsenic. Given the positive correlation with DO and iron, and strong negative correlation with manganese, the most plausible mechanism appears to be the oxidation of iron minerals and corresponding release of sorbed-arsenic near the well screen interval.

Previously, arsenic exceeded the GWPS at only compliance well GN-AP-MW-17. Arsenic concentrations declined below the GWPS around the summer of 2020 and have been below or at the groundwater protection standard during the previous 5 sampling events. The previous 14 sampling events had a 100% exceedance rate; however, a noticeable declining trend appears to have begun near the beginning of 2018 and concentrations decreased below the historical concentration range during 2019 sampling events. During the most recent sampling event in August 2022, arsenic concentrations in well GN-AP-MW-17 fell to their lowest observed levels.

As shown on **Figures 5, 7A and 9A**, numerous delineation wells were installed lateral to the northeast and southwest to assess potential width of impacts to groundwater. These lateral or horizontal delineation wells provided arsenic concentrations at low-level, trace or estimated concentrations below the GWPS. The data gathered from these lateral wells supports the interpretation of a discrete fracture as the source or transport mechanism for arsenic. Arsenic has been successfully delineated in the vertical extent. GN-AP-MW-17 is located within 10 to 20 feet of the Coosa River and therefore, arsenic delineation to the southeast was not feasible.

6.3.2 Lithium Delineation

Figure 7B, Lithium Concentration Call-Out Map and Figure 8B, Lithium Concentration Along Geologic Cross Section B-B', shows lithium concentrations from the first semi-annual sampling event. **Figure 9B, Lithium Concentration Call-Out Map and Figure 10B, Lithium Concentration Along Geologic Cross Section B-B'**, shows lithium concentrations from the second semi-annual sampling event.

As shown on **Figures 7B and 9B, Lithium Concentration Call Out Map**, lithium concentrations over GWPS have been limited to the southeastern portion of the Site and in the zone defined by ERI as having potential for preferential groundwater flow. Similar to the arsenic discussions above, further horizontal delineation was not feasible due to physical limitations and the inability to access additional drilling locations.

Lateral delineation to the northeast and southwest shows that lithium concentrations over the GWPS extend from an area between GN-AP-MW-16 to GN-AP-MW-15R to the northeast to just southwest of delineation wells GN-AP-MW-34V and GN-AP-MW-35V. To the northeast, wells GN-AP-MW-15R, GN-AP-MW-30H, and GN-AP-MW-31VR show successful delineation and to the southwest, compliance well GN-AP-MW-19 demonstrates successful delineation.

Historically, lithium has exceeded the GWPS at compliance well GN-AP-MW-15R. However, concentrations have dropped steadily and significantly since September 2019. The last three lithium concentrations have been below the GWPS. Trends in other CCR indicator parameters show a similar strong decreasing trend in well GN-AP-MW-15R.

Figures 8B and 10B, Lithium Concentrations Along Geologic Cross Section B-B', show that the vertical extent of lithium, southeast of the Site, has largely been delineated in the vertical extent. The lone exception is deep vertical delineation well, GN-AP-MW-37V, which exceeds the lithium GWPS by only 0.00431 mg/l and historically, has demonstrated concentrations below GWPS. The average concentration is also slightly above the GWPS (0.051 mg/L). Concentrations and trends in this well will continue to be monitored but at this time no additional vertical delineation in this area is being recommended. Lithium concentrations in GN-AP-MW-37V have declined each of the last 4 sampling events.

Figures 8B and 10B also show that lithium concentrations are generally the highest between elevations 300 and 360 ft MSL where preferential flow was indicated on geophysical imaging. The 0.04 mg/l contour line presented on **Figures 8B and 10B** indicates that lithium concentrations above the GWPS extend from the top of rock (380 to 370 ft MSL) to an elevation of roughly 145 ft MSL. This zone is interpreted to be a vertical geologic structure that allows for preferential migration and agrees strongly with ERI data. The zone between 300 and 360 ft MSL is likely a more weathered or fractured layer of dolomite.

Aggregated average concentrations along the **Figures 8B and 10B** cross-section decreased slightly from a 2021 average of 0.1571 to 0.1560 mg/L during the 2022 sampling events. This decrease supports a conclusion that the plume has stabilized and is not growing in mass.

6.3.3 Molybdenum Delineation

Figure 7C, Molybdenum Concentration Call-Out Map and **Figure 8C, Molybdenum Concentration Along Geologic Cross Section B-B'**, shows molybdenum concentrations from the first semi-annual sampling event. **Figure 9C, Molybdenum Concentration Call-Out Map** and **Figure 10C, Molybdenum Concentration Along Geologic Cross Section B-B'**, shows molybdenum concentrations from the second semi-annual sampling event

As shown on **Figures 7C and 8C, Molybdenum Concentration Call Out Map**, molybdenum concentrations over GWPS are limited to the southeastern portion of the Site and in the zone defined by ERI as having potential for preferential groundwater flow. Similar to the arsenic and lithium discussions above, further horizontal delineation was not feasible due to physical limitations and the inability to access additional drilling locations to the southeast.

Historically, downgradient compliance well GN-AP-MW-5, has been the only well location exhibiting a GWPS exceedance for molybdenum. During the February 2020 sampling event, molybdenum concentrations in well GN-AP-MW-5 decreased well below the GWPS. Historically, concentrations have occurred between 0.35 mg/l and 0.13 mg/l at well GN-AP-MW-5 but have also demonstrated an oscillating, downward trend since January 2018. The February 2020 sampling event provided a concentration of 0.0546 mg/l. and represented the first data point below the GWPS. When looking at recent time series and data, it appears that ash pond closure activities are having a positive impact on reducing COI concentrations. Nearly all appendix III and IV parameters exhibit decreasing trends in well GN-AP-MW-5 with molybdenum falling below GWPS three out of the previous 4 sampling events. DO and ORP exhibit strong negative correlations with molybdenum in well GN-AP-MW-5 indicating that more oxygenated groundwater has led to a decrease in COI concentrations. This could reflect a return to natural groundwater quality in this area of the Site.

To the west, previously existing piezometers GN-AP-MW-23S, GN-AP-MW-26, and GN-AP-MW-27 were converted to horizontal delineation wells, and GN-AP-MW-23D to a vertical delineation well, for the purposes of delineating molybdenum proximal to GN-AP-MW-5. These wells are located to the west of the Plant Gaston Ash Pond on APC-owned property. Concentrations at these locations have been well below GWPS (0.018 to 0.004 mg/L). The most recent molybdenum in well GN-AP-MW-5 was 0.0384 mg/L – which is the 5th consecutive decrease in concentration and reflects a shift in pattern away from seasonal oscillations.

Molybdenum – Southeast Delineation

Lateral delineation to the northeast and southwest shows that molybdenum concentrations over the GWPS extend from GN-AP-MW-15R to the northeast to just southwest of delineation wells GN-AP-MW-34V and GN-AP-MW-35V. To the northeast, wells GN-AP-MW-30H and GN-AP-MW-31VR show successful delineation and to the southwest, compliance well GN-AP-MW-19, demonstrates successful delineation. This can be visualized in both **Figure 8C** and **Figure 10C, Molybdenum Concentrations Along Geologic Cross-Section B-B'**.

Like lithium, molybdenum in well GN-AP-MW-15R has been trending downward steadily and significantly. This decreasing trend began between April and May of 2019 and has decreased from 0.43 to 0.14 mg/l over that time span. At the current rate of concentration decline, molybdenum will decrease below GWPS in 2023.

Geologic and geochemical data provided on **Figures 8C and 10C**, show that molybdenum has also been delineated in the vertical sense to a sufficient degree for remedy selection. This figure shows that molybdenum concentrations are generally the highest between elevations 300 and 360 ft mean sea level (MSL) near southeastern boundary of the Site and nearest to compliance well GN-AP-MW-17. This zone is interpreted to be a vertical geologic structure that allows for preferential migration and agrees strongly with ERI data. The zone between 300 and 360 ft MSL is likely a more weathered or fractured layer of dolomite. Concentrations appear highest where the potential vertical feature intersect the more weathered/fractured horizontal layer.

Figures 8C and 10C also show that molybdenum concentrations above the GWPS (0.1 mg/L) occur deepest near vertical delineation well GN-AP-MW-37V. The 0.1 mg/l contour line presented on **Figures 8C and 10C** indicates that molybdenum concentrations above the GWPS extend from the top of rock (380 to 370 ft MSL) to elevations ranging from 250 ft to 190 ft MSL between wells GN-AP-MW-16V and GN-AP-MW-35V. To the northeast, **Figures 8C and 10C** show that molybdenum exceedances are relatively shallow in comparison, with concentrations above the GWPS, extending down to roughly 300 ft MSL in the vicinity of GN-AP-MW-31VR.

Vertical delineation wells GN-AP-MW-35V and GN-AP-MW-36V show vertical delineation. Vertical delineation well GN-AP-MW-37V exhibited a GWPS exceedance; however, the distribution and extent of molybdenum exceedances in groundwater is established well enough for developing a remedial strategy to address the occurrence. Concentrations in well GN-AP-MW-37V have also shown a decreasing trend over

the last 4 sampling events. The most recent concentration of 0.156 mg/L is just above the GWPS of 0.1 mg/L. In aggregate, molybdenum concentrations in the area appear stable, with a very slight decrease in average concentration from 2021 (0.5481 mg/L) to 2022 (0.5273 mg/L). Molybdenum concentrations in well GN-AP-MW-17 have shown 3 consecutive decreases.

6.4 STATUS OF DELINEATION

Arsenic, lithium, and molybdenum have been horizontally delineated to the extent feasible at the Site. Additional horizontal delineations wells stepped out in the direction of groundwater flow to the southeast are not feasible due to physical limitations. A surface water sampling program with targeted locations and depths based on preferential groundwater flow were selected to achieve delineation. This program was proposed in the February 2022 Groundwater Corrective Action Monitoring Program document.

The vertical extent of impacts have been established and delineated. The lone exception is deep vertical delineation well, GN-AP-MW-37V, which only slightly exceeds the GWPS for lithium and molybdenum. As shown on **Figures 8A/10A, 8B/10B, and 8C/10C**, a sufficient number of vertical delineation wells, geological data, and geochemical data exists to evaluate remedial options southeast of the Site. No additional deeper vertical delineation in the vicinity of GN-AP-MW-37V is currently planned for these reasons. Conditions, concentrations, and trends will continue to be evaluated with respect to this. Currently, this well is showing decreasing trends for both molybdenum and lithium.

Permeation grouting pilot activities will target the apparent preferential flow path where COI are concentrated on **Figures 8A/10A, 8B/10B, and 8C/10C**. Feasibility studies for geochemical enhancements are also being considered for application in fractured rock and if feasible, could be used alongside permeation grouting and MNA to treat this preferential flow zone. Additional assessment wells may be proposed or added to augment pilot studies or corrective action monitoring.

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 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 Groundwater 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. Plan, 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 April 2022 sampling event (**Table 6**). These parameters in addition to field parameters, Appendix III, 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 in the site geochemical model.

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: Finalized Late August/Early September 2022.
- Fracture-Flow Field Study and Data Analyses – 4th quarter 2022 to 2nd quarter 2023
- 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 were installed during the 3rd quarter of 2022 at the following monitoring locations:

- GN-AP-MW-5
- GN-AP-MW-11
- GN-AP-MW-16
- GN-AP-MW-17
- GN-AP-MW-20
- GN-AP-MW-17SV
- GN-AP-MW-17V
- GN-AP-MW-16V
- GN-AP-MW-33V

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

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

- Identify a location near the Plant Gaston 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 GROUNDWATER QUALITY CHANGES AND TRENDS

Groundwater quality trends have been reviewed with respect to potential transient changes induced by ash pond closure activities. As described in **Section 4.1**, groundwater elevations in multiple compliance wells dropped in a statistically significant manner during 2022. This data shows that closure operations are likely decreasing groundwater levels at the Site.

Additional, important groundwater quality changes or trends have been noted in **Section 6.3**. The key findings include:

- Arsenic concentrations in compliance well GN-AP-MW-17 decreased to below GWPS as part of slowly decreasing trend that began between January and April 2018.
- Lithium concentrations in compliance well GN-AP-MW-15R decreased to below GWPS as part of strong decreasing trend that began between September 2019 and February 2020.
- Molybdenum concentrations in compliance well GN-AP-MW-15R are decreasing towards the GWPS as part of a strong decreasing trend that began between April and May 2019.
- Molybdenum concentrations in compliance well GN-AP-MW-5 dropped below the GWPS as part of an oscillating but downward trend that began in January 2018.
- Lithium and molybdenum have shown subtle decreasing trends in deep vertical delineation well GN-AP-MW-37V.
- Molybdenum concentrations are decreasing in well GN-AP-MW-17.
- Arsenic concentrations in delineation well GN-AP-MW-33V increased to a concentration above the GWPS in 2021 but has shown a decreasing trend since. Arsenic concentrations are correlated to fluctuations in DO and iron indicating the oxidation of pyrite and subsequent mobilization of arsenic as a strong potential mechanism.

These changes amount to a 27% reduction in SSLs from historical compliance well SSLs. Many of these downward trends appear to have initiated prior to the start of ash pond closure activities but may have also been reinforced by these activities - namely the halt to sluicing and ash dewatering.

Aggregate Annual Average Trends

The following provides a summary of average annual concentrations in compliance wells (upgradient, downgradient, abandoned) since the first year of groundwater monitoring. These annualized averages will continue to be evaluated and reviewed each year to determine overall trends. Averages presented below

could be relational to ash pond closure activities, geochemical disequilibrium and return to equilibrium processes, and abandonment/replacement activities.

Boron, as shown below, has decreased in average concentration in consecutive years. Spatially, compliance wells on the western boundary have seen the most prominent reduction in boron concentrations. These reductions appear to have initiated in two discrete timeframes: (1) beginning in 2019 (GN-AP-MW-4, GN-AP-MW-5) and (2) beginning in 2021 (GN-AP-MW-6, GN-AP-MW-21, and GN-AP-MW-22). Conversely, small increasing averages have been observed in southern/eastern compliance wells. These increases are noted to have initiated in 2018.

Average arsenic concentrations have decreased since 2018, and most significantly, since 2020. The most significant contributors to reductions are the decreases observed in wells GN-AP-MW-15R, GN-AP-MW-17, and GN-AP-MW-21. Of these, only GN-AP-MW-17, had demonstrated a concentration over the GWPS. Currently, only well GN-AP-MW-16 exhibits a recent increasing trend. However, concentrations remain well below the GWPS.

Average lithium and molybdenum concentration trends are dominated by localized increases in well GN-AP-MW-17, and to lesser extent, GN-AP-MW-16, and GN-AP-MW-20 (molybdenum only). These increases appear to have initiated in 2020-2021 and are paired with similar increases in conductivity. This area of the Site is being evaluated for the permeation grouting pilot program – which could seal preferential groundwater flow paths and lengthen residence times.

Year	Boron (mg/L)	Arsenic (mg/L)	Lithium (mg/L)	Molybdenum (mg/L)
2016	0.9551	0.0044	0.0779	0.1717
2017	0.9550	0.0046	0.0732	0.1644
2018	1.141	0.0048	0.0732	0.1682
2019	1.256	0.0045	0.0716	0.1984
2020	1.239	0.0043	0.0700	0.2248
2021	1.13	0.0019	0.0828	0.2540
2022	1.04	0.0017	0.0843	0.2288

7.0 SUMMARY AND CONCLUSIONS

Semi-annual monitoring took place in April/May and August 2022. Statistical evaluations of the assessment 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 31, 2021, and a Corrective Action Groundwater Monitoring Program plan on February 28, 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:

- Continue with phase 1 implementation of the Permeation Grouting Pilot Program for the remediation of arsenic, lithium, and molybdenum.
- Conduct the first semi-annual monitoring event of 2023 and submit the semi-annual groundwater monitoring report summarizing findings to ADEM by July 31, 2023.

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Tables



**Table 1a. - Compliance Monitoring Well Network Details
Plant Gaston 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											
GN-AP-MW-3	Upgradient	Middle Knox Dolomite	33.22911	-86.47461	444.34	447.14	81.6	375.94	365.94	10	9/30/2015
GN-AP-MW-38	Upgradient	Middle Knox Dolomite	33.23268	-86.45639	402.50	404.93	74.4	340.93	330.93	10	2/6/2021
GN-AP-MW-39	Upgradient	Wash Creek Slate	33.23688	-86.4519	413.93	416.71	78.3	348.81	338.81	10	2/22/2021
GN-AP-MW-40	Upgradient	Middle Knox Dolomite	33.23101	-86.4523	411.79	414.32	72.2	352.52	342.52	10	2/17/2021
GN-AP-MW-41	Upgradient	Middle Knox Dolomite	33.23007	-86.45673	404.61	407.28	76.8	340.88	330.88	10	2/7/2021
GN-AP-MW-42	Upgradient	Middle Knox Dolomite	33.22744	-86.45374	430.01	433.01	107.3	336.11	326.11	10	2/20/2021
GN-AP-MW-4	Downgradient	Middle Knox Dolomite	33.22617	-86.47804	437.86	440.57	96.1	354.87	344.87	10	11/6/2015
GN-AP-MW-5	Downgradient	Upper Knox Dolomite	33.22817	-86.47903	428.06	431.30	63.1	378.65	368.65	10	9/17/2015
GN-AP-MW-6	Downgradient	Upper Knox Dolomite	33.23014	-86.47904	424.61	427.85	50.3	387.95	377.95	10	9/21/2015
GN-AP-MW-7	Downgradient	Upper Knox Dolomite	33.23259	-86.47908	416.80	420.02	64.7	365.75	355.75	10	9/23/2015
GN-AP-MW-8	Downgradient	Middle Knox Dolomite	33.23467	-86.47884	426.87	429.63	84.7	355.34	345.34	10	10/14/2015
GN-AP-MW-9	Downgradient	Mid-Lower Knox Dolomite	33.23576	-86.47681	422.16	424.85	135.7	299.56	289.56	10	11/12/2015
GN-AP-MW-10	Downgradient	Middle Knox Dolomite	33.23655	-86.47459	422.69	425.69	82.6	353.49	343.49	10	9/4/2015
GN-AP-MW-11	Downgradient	Middle Knox Dolomite	33.23731	-86.47253	422.62	425.39	77.4	358.35	348.35	10	10/9/2015
GN-AP-MW-12	Downgradient	Middle Knox Dolomite	33.23811	-86.47035	422.43	425.22	89.5	346.12	336.12	10	9/9/2015

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.



**Table 1a. - Compliance Monitoring Well Network Details
Plant Gaston 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											
GN-AP-MW-13	Downgradient	Upper Knox Dolomite	33.23883	-86.46819	421.21	424.04	65.4	369.02	359.02	10	9/1/2015
GN-AP-MW-14	Downgradient	Middle Knox Dolomite	33.24021	-86.46548	424.54	427.20	97.1	340.55	330.55	10	12/10/2015
GN-AP-MW-15R	Downgradient	Middle Knox Dolomite	33.23771	-86.46187	438.00	438.15	67.5	381.09	371.09	10	6/2/2016
GN-AP-MW-16	Downgradient	Upper Knox Dolomite	33.23613	-86.46255	419.08	422.30	50.4	382.35	372.35	10	9/16/2015
GN-AP-MW-17	Downgradient	Middle Knox Dolomite	33.23456	-86.46379	404.86	407.75	67.4	350.73	340.73	10	10/13/2015
GN-AP-MW-18	Downgradient	Middle Knox Dolomite	33.23275	-86.46499	413.22	416.13	60.9	365.64	355.64	10	9/11/2015
GN-AP-MW-19	Downgradient	Middle Knox Dolomite	33.23056	-86.46778	413.75	416.16	91.9	334.66	324.66	10	11/3/2015
GN-AP-MW-20	Downgradient	Middle Knox Dolomite	33.23129	-86.46585	403.89	406.65	88.3	328.75	318.75	10	12/1/2015
GN-AP-MW-21	Downgradient	Upper Knox Dolomite	33.22979	-86.47908	425.25	428.25	38.5	400.15	390.15	10	6/9/2016
GN-AP-MW-22	Downgradient	Upper Knox Dolomite	33.22895	-86.47906	424.11	427.11	34.1	403.41	393.41	10	6/8/2016

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.



**Table 1b. - Delineation Well Network Details
Plant Gaston 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											
GN-AP-MW-17SV	Vertical Delineation	Upper Knox Dolomite	33.23634	-86.46248	404.10	406.92	29.5	387.82	377.82	10	12/5/2018
GN-AP-MW-20SV	Vertical Delineation	Upper Knox Dolomite	33.23486	-86.46363	403.07	405.78	33.0	383.20	373.20	10	12/3/2018
GN-AP-MW-20V	Vertical Delineation	Mid-Lower Knox Dolomite	33.23478	-86.46371	403.25	406.25	118.9	297.75	287.75	10	1/10/2019
GN-AP-MW-17V	Vertical Delineation	Middle Knox Dolomite	33.23133	-86.46593	402.25	405.25	102.0	313.65	303.65	10	1/17/2019
GN-AP-MW-16V	Vertical Delineation	Mid-Lower Knox Dolomite	33.23536	-86.46324	420.26	422.88	123.3	309.98	299.98	10	2/6/2019
GN-AP-MW-23D	Vertical Delineation	Lower Knox Dolomite	33.22819	-86.47944	425.94	428.69	147.4	291.73	281.73	10	--
GN-AP-MW-32V	Vertical Delineation	Mid-Lower Knox Dolomite	33.23592	-86.46319	451.07	453.77	243.3	220.92	210.92	10	9/17/2019
GN-AP-MW-33V	Vertical Delineation	Mid-Lower Knox Dolomite	33.23469	-86.46413	451.26	454.29	243.2	221.54	211.54	10	9/21/2019
GN-AP-MW-34V	Vertical Delineation	Mid-Lower Knox Dolomite	33.23154	-86.46624	445.15	447.98	229.8	228.55	218.55	10	9/3/2019
GN-AP-MW-31VR	Vertical Delineation	Mid-Lower Knox Dolomite	33.23833	-86.46136	435.28	438.65	194.4	254.68	244.68	10	3/24/2020
GN-AP-MW-36V	Vertical Delineation	Lower Knox Dolomite	33.23459	-86.46421	451.34	454.37	349.0	125.74	105.74	20	3/14/2020
GN-AP-MW-35V	Vertical Delineation	Lower Knox Dolomite	33.23158	-86.46626	446.08	449.39	353.9	115.88	95.88	20	3/31/2020
GN-AP-MW-37V	Vertical Delineation	Lower Knox Dolomite	33.23604	-86.46309	450.79	453.46	347.7	126.19	106.19	20	2/19/2020
GN-AP-MW-29H	Horizontal Delineation	Middle Knox Dolomite	33.23138	-86.46588	403.56	407.06	103.5	313.96	303.96	10	1/22/2019
GN-AP-MW-28H	Horizontal Delineation	Middle Knox Dolomite	33.23591	-86.46281	410.53	413.90	103.5	320.53	310.53	10	2/1/2019
GN-AP-MW-23S	Horizontal Delineation	Upper Knox Dolomite	33.22814	-86.47944	426.15	429.15	27.7	411.87	401.87	10	6/10/2016
GN-AP-MW-26	Horizontal Delineation	Upper Knox Dolomite	33.23029	-86.47977	422.45	425.51	24.5	404.23	394.23	10	6/19/2016

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.



**Table 1b. - Delineation Well Network Details
Plant Gaston 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											
GN-AP-MW-27	Horizontal Delineation	Upper Knox Dolomite	33.22815	-86.47972	428.35	428.35	24.5	404.23	394.23	10	--
GN-AP-MW-30H	Horizontal Delineation	Upper Knox Dolomite	33.23854	-86.46124	434.99	437.87	76.7	371.54	361.54	10	9/6/2019

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.



**Table 1c. - Abandoned Well Network Details
Plant Gaston 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											
GN-AP-MW-1	Abandoned	Mid-Lower Knox Dolomite	33.23122	-86.47087	457.72	460.54	199.1	271.82	261.82	10	12/3/2015
GN-AP-MW-2	Abandoned	Middle Knox Dolomite	33.2303	-86.47366	442.81	445.67	126.0	330.04	320.04	10	10/7/2015

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.



Table 2. Parameters And Reporting Limits

Plant Gaston Ash Pond
04/19/2022 - 09/07/2022

Appendix III Parameters			
Parameters	Analytical Methods	Reporting Limits	Units of Measure
Boron	EPA 200.7	0.1015	mg/L
Calcium	EPA 200.7	0.406-4.06	mg/L
Chloride	SM4500Cl E	1-25	mg/L
Fluoride	SM4500F G 2017	0.125	mg/L
pH_Field	Field Sampling	NA	SU
Sulfate	SM4500SO4 E 2011	2-64	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	0.001015	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	0.000203-0.001015	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	0.691-1.48	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



Table 3. Groundwater Elevations Summary

Plant Gaston Ash Pond
04/18/2022 - 08/29/2022

Measurement Date		04/18/2022		08/29/2022	
Well	TOC Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)
GN-AP-MW-10	425.69	4.65	421.04	6.58	419.11
GN-AP-MW-11	425.39	2.99	422.40	5.32	420.07
GN-AP-MW-12	425.22	0.00	Artesian	1.06	424.16
GN-AP-MW-13	424.04	0.00	Artesian	2.26	421.78
GN-AP-MW-14	427.20	27.29	399.91	27.91	399.29
GN-AP-MW-15R	438.15	41.77	396.38	43.09	395.06
GN-AP-MW-16	422.30	22.43	399.87	23.68	398.62
GN-AP-MW-16V	422.88	18.72	404.16	20.71	402.17
GN-AP-MW-17	407.75	4.26	403.49	5.90	401.85
GN-AP-MW-17SV	406.92	9.33	397.59	10.11	396.81
GN-AP-MW-17V	405.25	4.46	400.79	5.80	399.45
GN-AP-MW-18	416.13	20.02	396.11	20.73	395.40
GN-AP-MW-19	416.16	1.41	414.75	5.26	410.90
GN-AP-MW-20	406.65	8.79	397.86	10.30	396.35
GN-AP-MW-20SV	405.78	9.31	396.47	10.06	395.72
GN-AP-MW-20V	406.25	8.02	398.23	8.89	397.36
GN-AP-MW-21	428.25	11.23	417.02	17.85	410.40
GN-AP-MW-22	427.11	8.63	418.48	16.75	410.36
GN-AP-MW-23D	428.69	8.52	420.17	17.60	411.09
GN-AP-MW-23S	429.15	8.73	420.42	18.04	411.11
GN-AP-MW-26	425.51	8.90	416.61	14.31	411.20
GN-AP-MW-27	428.35	7.68	420.67	17.06	411.29
GN-AP-MW-28H	413.90	12.63	401.27	14.12	399.78
GN-AP-MW-29H	407.06	4.09	402.97	6.83	400.23
GN-AP-MW-3	447.14	17.77	429.37	22.32	424.82
GN-AP-MW-30H	437.87	41.61	396.26	42.40	395.47
GN-AP-MW-31VR	438.65	42.28	396.37	43.00	395.65
GN-AP-MW-32V	453.77	44.71	409.06	47.59	406.18
GN-AP-MW-33V	454.29	42.41	411.88	44.75	409.54
GN-AP-MW-34V	447.98	45.56	402.42	47.16	400.82
GN-AP-MW-35V	449.39	47.86	401.53	49.25	400.14
GN-AP-MW-36V	454.37	42.63	411.74	44.78	409.59
GN-AP-MW-37V	453.46	44.52	408.94	47.24	406.22

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 casing, therefore, cannot be measured



Table 3. Groundwater Elevations Summary

Plant Gaston Ash Pond
04/18/2022 - 08/29/2022

Measurement Date		04/18/2022		08/29/2022	
Well	TOC Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)	Depth To Water (ft. BTOC)	Groundwater Elevation (ft. NAVD)
GN-AP-MW-38	404.93	5.58	399.35	9.46	395.47
GN-AP-MW-39	416.71	17.20	399.51	20.98	395.73
GN-AP-MW-4	440.57	11.68	428.89	27.08	413.49
GN-AP-MW-40	414.32	13.90	400.42	18.20	396.12
GN-AP-MW-41	407.28	7.34	399.94	11.22	396.06
GN-AP-MW-42	433.01	33.16	399.85	36.96	396.05
GN-AP-MW-5	431.30	11.08	420.22	20.29	411.01
GN-AP-MW-6	427.85	11.00	416.85	16.83	411.02
GN-AP-MW-7	420.02	3.58	416.44	9.50	410.52
GN-AP-MW-8	429.63	11.87	417.76	17.34	412.29
GN-AP-MW-9	424.85	4.94	419.91	6.59	418.26

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 casing, therefore, cannot be measured



Table 4a. Relative Percent Difference (RPD) Calculations

Plant Gaston Ash Pond
04/19/2022 - 08/30/2022

GN-AP-MW-17				
Sample Date = 8/30/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	3.33	3.29	1.21%
Calcium	mg/L	300	326	8.31%
Chloride	mg/L	272	301	10.12%
Sulfate	mg/L	415	431	3.78%
Arsenic	mg/L	0.00745	0.00748	0.40%
Barium	mg/L	0.141	0.135	4.35%
Cadmium	mg/L	0.00027	0.00027	0.37%
Lithium	mg/L	1.09	1.06	2.79%
Molybdenum	mg/L	2.84	2.84	0.00%
GN-AP-MW-18				
Sample Date = 8/30/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	1.72	1.71	0.58%
Calcium	mg/L	155	143	8.05%
Chloride	mg/L	13	12.9	0.77%
Sulfate	mg/L	203	203	0.00%
Arsenic	mg/L	0.00265	0.00252	5.03%
Barium	mg/L	0.0573	0.054	5.93%
Cobalt	mg/L	0.00194	0.00196	1.03%
Lithium	mg/L	0.0456	0.045	1.33%
Molybdenum	mg/L	0.069	0.0703	1.87%
Thallium	mg/L	0.00049	0.00049	0.61%
GN-AP-MW-26				
Sample Date = 8/29/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	0.997	1	0.30%
Calcium	mg/L	77.3	75.7	2.09%
Chloride	mg/L	19.8	20	1.01%
Sulfate	mg/L	88.4	86.9	1.71%
Barium	mg/L	0.0179	0.0177	1.12%
Molybdenum	mg/L	0.00295	0.00298	1.01%



Table 4a. Relative Percent Difference (RPD) Calculations

Plant Gaston Ash Pond
04/19/2022 - 08/30/2022

GN-AP-MW-38				
Sample Date = 8/29/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Calcium	mg/L	23.1	23.2	0.43%
Chloride	mg/L	4.26	4.24	0.47%
Sulfate	mg/L	3.16	2.81	11.73%
Barium	mg/L	0.00461	0.00439	4.89%
GN-AP-MW-5				
Sample Date = 5/3/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	0.562	0.565	0.53%
Calcium	mg/L	56.6	48.2	16.03%
Chloride	mg/L	12.8	12.8	0.00%
Sulfate	mg/L	34	33.7	0.89%
Barium	mg/L	0.0219	0.023	4.90%
Molybdenum	mg/L	0.0389	0.0407	4.52%
Sample Date = 8/30/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	0.562	0.568	1.06%
Calcium	mg/L	56.6	60.2	6.16%
Chloride	mg/L	12.6	12.6	0.00%
Sulfate	mg/L	33.3	33.1	0.60%
Barium	mg/L	0.0234	0.0241	2.95%
Molybdenum	mg/L	0.0384	0.0393	2.32%
GN-AP-MW-27				
Sample Date = 5/2/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	0.178	0.178	0.00%
Calcium	mg/L	27.8	27.3	1.82%
Chloride	mg/L	13	12.8	1.55%
Sulfate	mg/L	14.9	14.6	2.03%
Barium	mg/L	0.0158	0.0167	5.54%
Molybdenum	mg/L	0.00501	0.00523	4.30%
GN-AP-MW-28H				
Sample Date = 4/27/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	0.798	0.796	0.25%



Table 4a. Relative Percent Difference (RPD) Calculations

Plant Gaston Ash Pond
04/19/2022 - 08/30/2022

GN-AP-MW-28H				
Sample Date = 4/27/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Calcium	mg/L	44.4	44.8	0.90%
Chloride	mg/L	19.8	19.8	0.00%
Sulfate	mg/L	139	135	2.92%
Arsenic	mg/L	0.00278	0.00268	3.66%
Barium	mg/L	0.0318	0.0328	3.10%
Cobalt	mg/L	0.00035	0.00034	1.44%
Lithium	mg/L	0.145	0.143	1.39%
Molybdenum	mg/L	0.487	0.489	0.41%
GN-AP-MW-20SV				
Sample Date = 4/20/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Boron	mg/L	2.91	2.92	0.34%
Calcium	mg/L	136	152	11.11%
Chloride	mg/L	18	17.8	1.12%
Sulfate	mg/L	416	441	5.83%
Arsenic	mg/L	0.00226	0.00228	0.88%
Barium	mg/L	0.119	0.12	0.84%
Cobalt	mg/L	0.0005	0.00055	10.27%
Molybdenum	mg/L	0.174	0.174	0.00%
GN-AP-MW-42				
Sample Date = 4/19/2022				
Analyte	Units	Original Result	Duplicate Result	RPD (%)
Calcium	mg/L	11	11.3	2.69%
Chloride	mg/L	3.8	3.82	0.53%
Sulfate	mg/L	2.25	2.53	11.72%
Arsenic	mg/L	0.00027	0.00029	8.88%
Barium	mg/L	0.0148	0.0154	3.97%

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 Gaston Ash Pond
04/19/2022 - 09/07/2022

Parameters Detected Above MDL					
Sample Date	QC Location	Parameter	Blank Concentration	Units	MDL
04/20/2022	FB-2	Fluoride	0.0838 J	mg/L	0.06
08/31/2022	FB-4	Chromium	0.00033 J	mg/L	0.0002
05/02/2022	FB-5	Chromium	0.00024 J	mg/L	0.0002
04/27/2022	FB-4	Chromium	0.00023 J	mg/L	0.0002
04/20/2022	FB-2	Chromium	0.00022 J	mg/L	0.0002
04/19/2022	FB-1	Chromium	0.00036 J	mg/L	0.0002
04/20/2022	FB-2	Molybdenum	0.00014 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 Gaston Ash Pond

Appendix IV Analytes			
Analyte	Units	Background	GWPS
Antimony	mg/L	0.000613	0.006
Arsenic	mg/L	0.000946	0.01
Barium	mg/L	0.0302	2
Beryllium	mg/L	0.001015	0.004
Cadmium	mg/L	0.000855	0.005
Chromium	mg/L	0.00113	0.1
Cobalt	mg/L	0.00168	0.006
Fluoride	mg/L	0.181	4
Lead	mg/L	0.00128	0.015
Lithium	mg/L	0.02	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.00856	0.1
Selenium	mg/L	0.001015	0.05
Thallium	mg/L	0.000709	0.002
Combined Radium 226 + 228	pCi/L	1.02	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).

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Conductivity uS/cm	ORP mv	Field Temperature C	DO mg/L	pH_Field SU	Turbidity NTU
Upgradient	GN-AP-MW-3	05/03/2022	250.96	61.28	18.83	4.44	7.72	0.71
Upgradient	GN-AP-MW-38	04/19/2022	204.76	54.77	17.51	4.89	7.91	4.81
Upgradient	GN-AP-MW-39	04/19/2022	223.66	9.63	18.45	0.39	6.85	1.02
Upgradient	GN-AP-MW-40	04/19/2022	183.46	67.93	18.27	7.25	7.68	3.86
Upgradient	GN-AP-MW-41	04/19/2022	242.68	99.03	17.22	4.34	6.8	4.09
Upgradient	GN-AP-MW-42	04/19/2022	104.64	90.11	17.79	6.92	6.31	2.87
Downgradient	GN-AP-MW-10	05/02/2022	344.1	-5.43	21.48	1.69	7.12	1.27
Downgradient	GN-AP-MW-11	05/02/2022	375.04	128.99	20.66	3.04	7.16	1.61
Downgradient	GN-AP-MW-12	05/03/2022	463.37	-99.21	21.09	0.45	7.39	1.2
Downgradient	GN-AP-MW-13	05/02/2022	381.94	-113.57	20.11	0.33	7.46	1.73
Downgradient	GN-AP-MW-14	04/27/2022	480.02	-140.65	21.14	0.25	7.07	0.57
Downgradient	GN-AP-MW-15R	05/02/2022	883.92	-20.15	20.19	0.8	7.49	0.84
Downgradient	GN-AP-MW-16	04/27/2022	571.95	-149.34	20.63	0.21	8.17	2.21
Downgradient	GN-AP-MW-17	04/20/2022	1101.12	-152.25	35.34	0.16	9.25	2.26
Downgradient	GN-AP-MW-18	04/26/2022	893.68	36.44	19.31	0.16	6.77	1.09
Downgradient	GN-AP-MW-19	04/19/2022	370.93	-141.28	33.57	1.12	7.63	1.08
Downgradient	GN-AP-MW-20	04/20/2022	861.37	-104.81	33.37	0.33	7.83	1.47
Downgradient	GN-AP-MW-21	05/03/2022	655.26	-95.12	19.13	0.56	7.48	1.17
Downgradient	GN-AP-MW-22	05/03/2022	538.69	66.7	19.33	0.18	7.21	1.17
Downgradient	GN-AP-MW-4	05/02/2022	463.16	64.19	19.58	1.22	6.68	2.74

Notes:

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- 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 measurement.
- DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
- mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocuries per liter.
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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Conductivity uS/cm	ORP mv	Field Temperature C	DO mg/L	pH_Field SU	Turbidity NTU
Downgradient	GN-AP-MW-5	05/03/2022	399.87	93.42	20.1	4.91	7.01	3.52
Downgradient	GN-AP-MW-6	05/03/2022	635.65	80.91	19.74	0.89	7.63	1.7
Downgradient	GN-AP-MW-7	05/03/2022	541.65	100.46	18.8	0.67	7.53	1.52
Downgradient	GN-AP-MW-8	05/02/2022	493.2	-92.8	19.63	2.92	7.44	1.61
Downgradient	GN-AP-MW-9	05/02/2022	402.93	-106.83	21.2	3.18	7.7	1.36
Vert. Delineation	GN-AP-MW-16V	04/27/2022	527.52	-108.35	18.8	0.91	8.45	0.92
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	771.33	-136.45	35.13	0.01	7.63	1.59
Vert. Delineation	GN-AP-MW-17V	04/26/2022	807.96	-140.8	20.52	2.9	8.39	2.73
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	797.96	-144.81	33.04	0.01	7.1	9.6
Vert. Delineation	GN-AP-MW-20V	04/19/2022	959.32	-188.72	29.38	0.35	8.11	29.8
Vert. Delineation	GN-AP-MW-23D	04/20/2022	581.95	-209.33	19.86	0.69	7.86	2.02
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	496.83	-219.15	21.94	0.62	7.71	0.75
Vert. Delineation	GN-AP-MW-32V	04/26/2022	697.38	-228.97	21.4	0.8	7.84	1.72
Vert. Delineation	GN-AP-MW-33V	04/26/2022	528.67	-172.06	20.24	1.02	7.42	2.97
Vert. Delineation	GN-AP-MW-34V	04/27/2022	995.55	-206.72	18.52	0.61	7.86	1.96
Vert. Delineation	GN-AP-MW-35V	04/27/2022	439.66	-186.99	20.13	0.97	8	0.76
Vert. Delineation	GN-AP-MW-36V	04/26/2022	1201.23	-171.9	19.55	0.86	8.03	2.12
Vert. Delineation	GN-AP-MW-37V	04/26/2022	427.89	-160.44	21.03	0.77	7.9	1.04
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	465.44	1.57	19.41	2.34	6.43	1.23
Horiz. Delineation	GN-AP-MW-26	04/20/2022	566.26	34.09	17.97	3.65	6.87	0.72

Notes:

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- DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
- mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocuries per liter.
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- Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Conductivity uS/cm	ORP mv	Field Temperature C	DO mg/L	pH_Field SU	Turbidity NTU
Horiz. Delineation	GN-AP-MW-27	05/02/2022	271.43	98.77	19.6	6.2	6.74	2.36
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	452.94	-169.68	21.2	0.18	7.83	1.77
Horiz. Delineation	GN-AP-MW-29H	04/26/2022	567.43	-219.37	21.45	0.52	8.29	1.36
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	723.9	-62.83	19.77	0.46	7.14	1.16

Notes:

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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 measurement.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

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	GN-AP-MW-3	05/03/2022	<0.03	29.9	1.67	<0.06	7.72	2.16
Upgradient	GN-AP-MW-38	04/19/2022	<0.03	23.3	5.24	<0.06	7.91	2.72
Upgradient	GN-AP-MW-39	04/19/2022	<0.03	36.4	2.22	0.107 J	6.85	11.4
Upgradient	GN-AP-MW-40	04/19/2022	<0.03	21.6	2.03	<0.06	7.68	0.934 J
Upgradient	GN-AP-MW-41	04/19/2022	<0.03	29.4	2.71	<0.06	6.8	1.37 J
Upgradient	GN-AP-MW-42	04/19/2022	<0.03	11	3.8	<0.06	6.31	2.25
Downgradient	GN-AP-MW-10	05/02/2022	0.0352 J	37.8	3.2	<0.06	7.12	4.75
Downgradient	GN-AP-MW-11	05/02/2022	0.324	43.4	6.86	<0.06	7.16	58.3
Downgradient	GN-AP-MW-12	05/03/2022	0.465	65.3	18.9	<0.06	7.39	97
Downgradient	GN-AP-MW-13	05/02/2022	<0.03	44.1	4.32	<0.06	7.46	<0.6
Downgradient	GN-AP-MW-14	04/27/2022	<0.03	85.3	4.1	0.0652 J	7.07	118
Downgradient	GN-AP-MW-15R	05/02/2022	2.36	93.2	79.9	0.08 J	7.49	224
Downgradient	GN-AP-MW-16	04/27/2022	1.47	74.9	35.8	0.0766 J	8.17	191
Downgradient	GN-AP-MW-17	04/20/2022	3.43	240	186	0.128	9.25	444
Downgradient	GN-AP-MW-18	04/26/2022	1.65	149	13.5	<0.06	6.77	216
Downgradient	GN-AP-MW-19	04/19/2022	<0.03	45.6	13.7	<0.06	7.63	27.6
Downgradient	GN-AP-MW-20	04/20/2022	4.49	182	19.9	<0.06	7.83	575
Downgradient	GN-AP-MW-21	05/03/2022	1.61	73	30.6	<0.06	7.48	131
Downgradient	GN-AP-MW-22	05/03/2022	1	64	14.8	0.0819 J	7.21	74.2
Downgradient	GN-AP-MW-4	05/02/2022	0.109	56.8	8.75	<0.06	6.68	11.1
Downgradient	GN-AP-MW-5	05/03/2022	0.562	56.6	12.8	0.0648 J	7.01	34

Notes:

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

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

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	GN-AP-MW-6	05/03/2022	1.81	68.8	26.9	<0.06	7.63	115
Downgradient	GN-AP-MW-7	05/03/2022	1.3	69	12.6	<0.06	7.53	107
Downgradient	GN-AP-MW-8	05/02/2022	0.0313 J	52.4	3.33	0.111 J	7.44	3.02
Downgradient	GN-AP-MW-9	05/02/2022	<0.03	30.9	8.5	0.122 J	7.7	17.9
Vert. Delineation	GN-AP-MW-16V	04/27/2022	1.41	49.3	30.8	<0.06	8.45	173
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	2.61	140	59.6	0.0941 J	7.63	323
Vert. Delineation	GN-AP-MW-17V	04/26/2022	2.13	104	71.5	<0.06	8.39	287
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	2.91	136	18	0.0672 J	7.1	416
Vert. Delineation	GN-AP-MW-20V	04/19/2022	3.07	130	21.9	0.0679 J	8.11	495
Vert. Delineation	GN-AP-MW-23D	04/20/2022	1.46	34.4	56.9	<0.06	7.86	42.6
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	0.124	39.7	22.8	0.39	7.71	24.1
Vert. Delineation	GN-AP-MW-32V	04/26/2022	0.417	68.6	35.9	0.16	7.84	130
Vert. Delineation	GN-AP-MW-33V	04/26/2022	0.129	61.6	18.8	0.177	7.42	36.8
Vert. Delineation	GN-AP-MW-34V	04/27/2022	3	157	19	<0.06	7.86	484
Vert. Delineation	GN-AP-MW-35V	04/27/2022	0.22	54.7	8.01	0.0993 J	8	37.3
Vert. Delineation	GN-AP-MW-36V	04/26/2022	0.162	27.9	137	0.436	8.03	165
Vert. Delineation	GN-AP-MW-37V	04/26/2022	0.434	49.4	14.1	0.152	7.9	91.3
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	0.584	62.9	23.8	<0.06	6.43	40.1
Horiz. Delineation	GN-AP-MW-26	04/20/2022	1.03	73.2	22.3	<0.06	6.87	93.7
Horiz. Delineation	GN-AP-MW-27	05/02/2022	0.178	27.8	13	<0.06	6.74	14.9
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	0.798	44.4	19.8	<0.06	7.83	139

Notes:

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- DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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- NC = value not detected with alkalinity calculation
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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

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	GN-AP-MW-29H	04/26/2022	1.22	50.9	29.6	<0.06	8.29	180
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	0.0502 J	78.8	31.7	0.152	7.14	25.1

Notes:

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6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

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	GN-AP-MW-3	05/03/2022	<0.000508	0.000577	0.0222	<0.000406	<6.8e-005	0.000438 J	<6.8e-005	<0.06
Upgradient	GN-AP-MW-38	04/19/2022	<0.000508	0.000194 J	0.00686	<0.000406	<6.8e-005	0.000662 J	0.000132 J	<0.06
Upgradient	GN-AP-MW-39	04/19/2022	<0.000508	0.000426	0.0279	<0.000406	<6.8e-005	0.000299 J	<6.8e-005	0.107 J
Upgradient	GN-AP-MW-40	04/19/2022	<0.000508	0.000172 J	0.00636	<0.000406	<6.8e-005	0.00106	<6.8e-005	<0.06
Upgradient	GN-AP-MW-41	04/19/2022	<0.000508	0.000138 J	0.0185	<0.000406	<6.8e-005	0.000477 J	8.06e-005 J	<0.06
Upgradient	GN-AP-MW-42	04/19/2022	<0.000508	0.000269	0.0148	<0.000406	0.000187 J	0.000481 J	0.000185 J	<0.06
Downgradient	GN-AP-MW-10	05/02/2022	<0.000508	0.000236	0.0132	<0.000406	<6.8e-005	0.000258 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-11	05/02/2022	<0.000508	0.000177 J	0.00954	<0.000406	<6.8e-005	0.000651 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-12	05/03/2022	<0.000508	0.00223	0.0752	<0.000406	<6.8e-005	<0.000203	0.000219	<0.06
Downgradient	GN-AP-MW-13	05/02/2022	<0.000508	0.000428	0.0414	<0.000406	<6.8e-005	0.000265 J	0.000136 J	<0.06
Downgradient	GN-AP-MW-14	04/27/2022	<0.000508	0.000589	0.0763	<0.000406	<6.8e-005	0.00025 J	<6.8e-005	0.0652 J
Downgradient	GN-AP-MW-15R	05/02/2022	<0.000508	0.000582	0.0561	<0.000406	<6.8e-005	0.000275 J	0.000275	0.08 J
Downgradient	GN-AP-MW-16	04/27/2022	<0.000508	0.00552	0.0514	<0.000406	7.73e-005 J	0.00021 J	0.000704	0.0766 J
Downgradient	GN-AP-MW-17	04/20/2022	0.000684 J	0.0084	0.12	<0.000406	0.000475	0.000371 J	<6.8e-005	0.128
Downgradient	GN-AP-MW-18	04/26/2022	<0.000508	0.00281	0.0515	<0.000406	<6.8e-005	0.000242 J	0.0016	<0.06
Downgradient	GN-AP-MW-19	04/19/2022	<0.000508	0.00215	0.0141	<0.000406	<6.8e-005	0.000298 J	0.000168 J	<0.06
Downgradient	GN-AP-MW-20	04/20/2022	<0.000508	0.00405	0.0554	<0.000406	0.000134 J	0.00186	<6.8e-005	<0.06
Downgradient	GN-AP-MW-21	05/03/2022	<0.000508	0.00141	0.0497	<0.000406	<6.8e-005	<0.000203	0.00116	<0.06
Downgradient	GN-AP-MW-22	05/03/2022	<0.000508	0.000153 J	0.0276	<0.000406	<6.8e-005	0.00026 J	0.000146 J	0.0819 J

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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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

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	Combined Radium 226 + 228 pCi/L
Upgradient	GN-AP-MW-3	05/03/2022	<6.8e-005	<0.007105	<0.0003	0.00439	<0.000508	0.000358	0.822 U
Upgradient	GN-AP-MW-38	04/19/2022	9.59e-005 J	<0.007105	<0.0003	0.0002 J	<0.000508	<6.8e-005	0.024 U
Upgradient	GN-AP-MW-39	04/19/2022	<6.8e-005	<0.007105	<0.0003	0.000738	<0.000508	<6.8e-005	1.02
Upgradient	GN-AP-MW-40	04/19/2022	<6.8e-005	<0.007105	<0.0003	0.000115 J	<0.000508	<6.8e-005	0.455 U
Upgradient	GN-AP-MW-41	04/19/2022	<6.8e-005	<0.007105	<0.0003	<0.000102	<0.000508	<6.8e-005	0.392 U
Upgradient	GN-AP-MW-42	04/19/2022	7.46e-005 J	<0.007105	<0.0003	0.000132 J	<0.000508	8.56e-005 J	0.853 U
Downgradient	GN-AP-MW-10	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.000212	0.000548 J	<6.8e-005	0.349 U
Downgradient	GN-AP-MW-11	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.000376	<0.000508	<6.8e-005	0.355 U
Downgradient	GN-AP-MW-12	05/03/2022	<6.8e-005	<0.007105	<0.0003	0.000331	<0.000508	<6.8e-005	1.09 U
Downgradient	GN-AP-MW-13	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.000302	<0.000508	<6.8e-005	0.412 U
Downgradient	GN-AP-MW-14	04/27/2022	<6.8e-005	<0.007105	<0.0003	0.000515	<0.000508	<6.8e-005	0.753 U
Downgradient	GN-AP-MW-15R	05/02/2022	<6.8e-005	0.0278	<0.0003	0.144	<0.000508	<6.8e-005	1.14 U
Downgradient	GN-AP-MW-16	04/27/2022	<6.8e-005	0.127	<0.0003	0.519	<0.000508	<6.8e-005	4.33
Downgradient	GN-AP-MW-17	04/20/2022	<6.8e-005	1.02	<0.0003	2.99	<0.000508	7.85e-005 J	1.12 U
Downgradient	GN-AP-MW-18	04/26/2022	<6.8e-005	0.0464	<0.0003	0.0598	<0.000508	0.000439	1.34
Downgradient	GN-AP-MW-19	04/19/2022	0.000191 J	<0.007105	<0.0003	0.0146	<0.000508	<6.8e-005	0.66 U
Downgradient	GN-AP-MW-20	04/20/2022	<6.8e-005	0.119	<0.0003	0.84	<0.000508	<6.8e-005	1.49
Downgradient	GN-AP-MW-21	05/03/2022	<6.8e-005	<0.007105	<0.0003	0.0116	<0.000508	<6.8e-005	0.435 U
Downgradient	GN-AP-MW-22	05/03/2022	<6.8e-005	<0.007105	<0.0003	0.0342	<0.000508	<6.8e-005	0.617 U

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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

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	GN-AP-MW-4	05/02/2022	<0.000508	0.000162 J	0.0153	<0.000406	<6.8e-005	0.000738 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-5	05/03/2022	<0.000508	0.000154 J	0.0219	<0.000406	<6.8e-005	0.000335 J	8.85e-005 J	0.0648 J
Downgradient	GN-AP-MW-6	05/03/2022	<0.000508	0.000151 J	0.0232	<0.000406	<6.8e-005	0.000304 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-7	05/03/2022	<0.000508	0.000163 J	0.0191	<0.000406	<6.8e-005	0.000349 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-8	05/02/2022	<0.000508	0.00107	0.0188	<0.000406	<6.8e-005	0.000311 J	<6.8e-005	0.111 J
Downgradient	GN-AP-MW-9	05/02/2022	<0.000508	0.00225	0.114	<0.000406	<6.8e-005	0.000292 J	<6.8e-005	0.122 J
Vert. Delineation	GN-AP-MW-16V	04/27/2022	<0.000508	0.00114	0.0557	<0.000406	0.000123 J	0.000246 J	0.000985	<0.06
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	<0.000508	0.00183	0.0906	<0.000406	0.000175 J	0.000268 J	0.00247	0.0941 J
Vert. Delineation	GN-AP-MW-17V	04/26/2022	<0.000508	0.00112	0.0551	<0.000406	0.000314	0.000238 J	6.96e-005 J	<0.06
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	<0.000508	0.00226	0.119	<0.000406	<6.8e-005	0.000241 J	0.000499	0.0672 J
Vert. Delineation	GN-AP-MW-20V	04/19/2022	<0.000508	0.00298	0.0323	<0.000406	8.86e-005 J	0.00174	0.000332	0.0679 J
Vert. Delineation	GN-AP-MW-23D	04/20/2022	<0.000508	0.00196	0.0399	<0.000406	<6.8e-005	0.000293 J	<6.8e-005	<0.06
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	<0.000508	0.00989	0.0289	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.39
Vert. Delineation	GN-AP-MW-32V	04/26/2022	<0.000508	0.00528	0.0584	<0.000406	<6.8e-005	0.000203 J	<6.8e-005	0.16
Vert. Delineation	GN-AP-MW-33V	04/26/2022	<0.000508	0.0135	0.0461	<0.000406	<6.8e-005	0.000324 J	7.56e-005 J	0.177
Vert. Delineation	GN-AP-MW-34V	04/27/2022	<0.000508	0.00339	0.0349	<0.000406	<6.8e-005	<0.000203	<6.8e-005	<0.06
Vert. Delineation	GN-AP-MW-35V	04/27/2022	<0.000508	0.00212	0.017	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.0993 J
Vert. Delineation	GN-AP-MW-36V	04/26/2022	<0.000508	0.00212	0.0799	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.436
Vert. Delineation	GN-AP-MW-37V	04/26/2022	<0.000508	0.000726	0.0353	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.152
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	<0.000508	0.000276	0.0279	<0.000406	<6.8e-005	0.000256 J	<6.8e-005	<0.06

Notes:

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- DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
- mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocuries per liter.
- NC = value not detected with alkalinity calculation
- Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

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	Combined Radium 226 + 228 pCi/L
Downgradient	GN-AP-MW-4	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.000296	<0.000508	<6.8e-005	0.658 U
Downgradient	GN-AP-MW-5	05/03/2022	0.000102 J	<0.007105	<0.0003	0.0389	<0.000508	<6.8e-005	0.958 U
Downgradient	GN-AP-MW-6	05/03/2022	<6.8e-005	0.0178 J	<0.0003	0.00912	<0.000508	<6.8e-005	0.478 U
Downgradient	GN-AP-MW-7	05/03/2022	<6.8e-005	<0.007105	<0.0003	0.000237	<0.000508	<6.8e-005	0.596 U
Downgradient	GN-AP-MW-8	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.00107	<0.000508	<6.8e-005	0.465 U
Downgradient	GN-AP-MW-9	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.0012	<0.000508	<6.8e-005	0.891
Vert. Delineation	GN-AP-MW-16V	04/27/2022	<6.8e-005	0.339	<0.0003	0.694	<0.000508	0.000601	2.56
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	<6.8e-005	0.233	<0.0003	1.17	<0.000508	0.000268	1.72
Vert. Delineation	GN-AP-MW-17V	04/26/2022	<6.8e-005	0.505	<0.0003	2.06	<0.000508	<6.8e-005	11.6
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	<6.8e-005	0.00728 J	<0.0003	0.174	<0.000508	<6.8e-005	2.27
Vert. Delineation	GN-AP-MW-20V	04/19/2022	0.00115	0.0416	<0.0003	0.338	<0.000508	<6.8e-005	3.27
Vert. Delineation	GN-AP-MW-23D	04/20/2022	<6.8e-005	<0.007105	<0.0003	0.00098	<0.000508	<6.8e-005	0.757 U
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	<6.8e-005	<0.007105	<0.0003	0.0199	<0.000508	<6.8e-005	0.735 U
Vert. Delineation	GN-AP-MW-32V	04/26/2022	<6.8e-005	0.0637	<0.0003	0.0332	<0.000508	<6.8e-005	1.83
Vert. Delineation	GN-AP-MW-33V	04/26/2022	<6.8e-005	0.0711	<0.0003	0.0292	<0.000508	<6.8e-005	1.21
Vert. Delineation	GN-AP-MW-34V	04/27/2022	<6.8e-005	0.036	<0.0003	0.286	<0.000508	<6.8e-005	1.22
Vert. Delineation	GN-AP-MW-35V	04/27/2022	<6.8e-005	<0.007105	<0.0003	0.0128	<0.000508	<6.8e-005	1 U
Vert. Delineation	GN-AP-MW-36V	04/26/2022	<6.8e-005	0.018 J	<0.0003	0.0459	<0.000508	<6.8e-005	1.32
Vert. Delineation	GN-AP-MW-37V	04/26/2022	<6.8e-005	0.0446	<0.0003	0.176	<0.000508	<6.8e-005	4.41
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	<6.8e-005	<0.007105	<0.0003	0.0172	<0.000508	<6.8e-005	0.419 U

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- mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocuries per liter.
- NC = value not detected with alkalinity calculation
- Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

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	GN-AP-MW-26	04/20/2022	<0.000508	0.000116 J	0.0171	<0.000406	<6.8e-005	0.000377 J	<6.8e-005	<0.06
Horiz. Delineation	GN-AP-MW-27	05/02/2022	<0.000508	0.000221	0.0158	<0.000406	<6.8e-005	0.000274 J	<6.8e-005	<0.06
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	<0.000508	0.00278	0.0318	<0.000406	<6.8e-005	0.000362 J	0.000349	<0.06
Horiz. Delineation	GN-AP-MW-29H	04/26/2022	<0.000508	0.0021	0.0604	<0.000406	0.000132 J	0.000242 J	<6.8e-005	<0.06
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	<0.000508	0.00548	0.0734	<0.000406	<6.8e-005	0.000211 J	0.00125	0.152

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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

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	Combined Radium 226 + 228 pCi/L
Horiz. Delineation	GN-AP-MW-26	04/20/2022	<6.8e-005	<0.007105	<0.0003	0.00235	<0.000508	<6.8e-005	0 U
Horiz. Delineation	GN-AP-MW-27	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.00501	<0.000508	<6.8e-005	0.305 U
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	9.61e-005 J	0.145	<0.0003	0.487	<0.000508	0.000205	5.85
Horiz. Delineation	GN-AP-MW-29H	04/26/2022	<6.8e-005	0.309	<0.0003	1.06	<0.000508	<6.8e-005	17.9
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	<6.8e-005	<0.007105	<0.0003	0.00195	<0.000508	<6.8e-005	0.758 U

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Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sulfide mg/L	Manganese Total mg/L	Carbon, Total Organic mg/L	Chloride mg/L	Carbonate Alkalinity as CaCO3 mg/L	Aluminum mg/L	Magnesium Total mg/L	Calcium mg/L
Upgradient	GN-AP-MW-3	05/03/2022	0	0.00126	<1	1.67	1.69	0.0288	17.4	29.9
Upgradient	GN-AP-MW-38	04/19/2022	0	0.005	<1	5.24	1.69	0.214	13.2	23.3
Upgradient	GN-AP-MW-39	04/19/2022	0	0.0593	<1	2.22	1.15	0.012	6.63	36.4
Upgradient	GN-AP-MW-40	04/19/2022	0	0.00885	<1	2.03	1.49	0.0861	12.5	21.6
Upgradient	GN-AP-MW-41	04/19/2022	0	0.0121	<1	2.71	1.82	0.0944	16.7	29.4
Upgradient	GN-AP-MW-42	04/19/2022	0	0.0534	<1	3.8	NC	0.0516	6.76	11
Downgradient	GN-AP-MW-10	05/02/2022	0	0.00159	<1	3.2	2.99	<0.00609	21.5	37.8
Downgradient	GN-AP-MW-11	05/02/2022	0	0.000177 J	<1	6.86	1.78	<0.00609	22.3	43.4
Downgradient	GN-AP-MW-12	05/03/2022	0	0.104	<1	18.9	1.76	<0.00609	37.6	65.3
Downgradient	GN-AP-MW-13	05/02/2022	0	0.112	<1	4.32	2.63	0.00775 J	24.2	44.1
Downgradient	GN-AP-MW-14	04/27/2022	0	0.0714	<1	4.1	0.772	<0.00609	29.6	85.3
Downgradient	GN-AP-MW-15R	05/02/2022	0	0.284	<1	79.9	0.575	<0.00609	27.9	93.2
Downgradient	GN-AP-MW-16	04/27/2022	0	0.444	<1	35.8	NC	0.0262	9.58	74.9
Downgradient	GN-AP-MW-17	04/20/2022	0	0.0151	1.17 J	186	3.39	0.079	10.2	240
Downgradient	GN-AP-MW-18	04/26/2022	0	0.651	<1	13.5	2.56	<0.00609	57.7	149
Downgradient	GN-AP-MW-19	04/19/2022	0	0.0131	<1	13.7	1.91	<0.00609	22.4	45.6
Downgradient	GN-AP-MW-20	04/20/2022	0	0.00307	<1	19.9	NC	<0.00609	55.2	182
Downgradient	GN-AP-MW-21	05/03/2022	0	0.15	<1	30.6	1.93	<0.00609	27.7	73
Downgradient	GN-AP-MW-22	05/03/2022	0	0.0689	<1	14.8	0.668	<0.00609	24.4	64
Downgradient	GN-AP-MW-4	05/02/2022	0	0.00692	<1	8.75	1.57	0.0289	31	56.8

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- Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Iron Total mg/L	Potassium mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Sodium mg/L	Silica mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Alkalinity Total as CaCO3 mg/L
Upgradient	GN-AP-MW-3	05/03/2022	<0.00812	0.241 J	0.243 J	2.16	2.23	7.92	153	155
Upgradient	GN-AP-MW-38	04/19/2022	0.056	<0.169505	0.843	2.72	3.47	6.25	108	110
Upgradient	GN-AP-MW-39	04/19/2022	0.335	0.362 J	<0.2	11.4	3.6	11.4	131	132
Upgradient	GN-AP-MW-40	04/19/2022	0.0279 J	0.276 J	0.751	0.934 J	1.03	7.51	109	111
Upgradient	GN-AP-MW-41	04/19/2022	0.0293 J	0.381 J	0.441	1.37 J	0.946	6.55	150	152
Upgradient	GN-AP-MW-42	04/19/2022	0.0169 J	0.261 J	0.863	2.25	2.93	7.49	56.7	57.1
Downgradient	GN-AP-MW-10	05/02/2022	<0.00812	0.202 J	0.201 J	4.75	2.47	8.82	183	186
Downgradient	GN-AP-MW-11	05/02/2022	<0.00812	0.201 J	0.884	58.3	5.7	9.01	134	136
Downgradient	GN-AP-MW-12	05/03/2022	0.37	0.292 J	<0.2	97	10.1	9.05	210	212
Downgradient	GN-AP-MW-13	05/02/2022	0.351	0.287 J	<0.2	<0.6	4.58	8.84	267	270
Downgradient	GN-AP-MW-14	04/27/2022	0.67	0.594	<0.2	118	19.1	10.8	291	292
Downgradient	GN-AP-MW-15R	05/02/2022	0.0792	6.06	<0.2	224	52.6	6.63	94.8	95.4
Downgradient	GN-AP-MW-16	04/27/2022	0.0877	14.5	<0.2	191	23.3	5.03	32.8	33.2
Downgradient	GN-AP-MW-17	04/20/2022	<0.00812	38.6	<0.2	444	42.1	5.41	17.3	21.7
Downgradient	GN-AP-MW-18	04/26/2022	0.318	3.02	<0.2	216	10.7	9.22	327	330
Downgradient	GN-AP-MW-19	04/19/2022	0.552	0.353 J	<0.2	27.6	14.3	8.67	208	210
Downgradient	GN-AP-MW-20	04/20/2022	0.0147 J	5.68	<0.2	575	27	5.95	54.4	54.9
Downgradient	GN-AP-MW-21	05/03/2022	0.352	2.2	<0.2	131	20.5	6.36	142	144
Downgradient	GN-AP-MW-22	05/03/2022	0.00968 J	2.14	0.617	74.2	11.6	6.72	191	192
Downgradient	GN-AP-MW-4	05/02/2022	0.0224 J	0.699	<0.2	11.1	6.48	9.74	270	272

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 measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters			
Hydraulic Location	Well	Sample Date	Silicon mg/L
Upgradient	GN-AP-MW-3	05/03/2022	3.7
Upgradient	GN-AP-MW-38	04/19/2022	2.92
Upgradient	GN-AP-MW-39	04/19/2022	5.35
Upgradient	GN-AP-MW-40	04/19/2022	3.51
Upgradient	GN-AP-MW-41	04/19/2022	3.06
Upgradient	GN-AP-MW-42	04/19/2022	3.5
Downgradient	GN-AP-MW-10	05/02/2022	4.12
Downgradient	GN-AP-MW-11	05/02/2022	4.21
Downgradient	GN-AP-MW-12	05/03/2022	4.23
Downgradient	GN-AP-MW-13	05/02/2022	4.13
Downgradient	GN-AP-MW-14	04/27/2022	5.06
Downgradient	GN-AP-MW-15R	05/02/2022	3.1
Downgradient	GN-AP-MW-16	04/27/2022	2.35
Downgradient	GN-AP-MW-17	04/20/2022	2.53
Downgradient	GN-AP-MW-18	04/26/2022	4.31
Downgradient	GN-AP-MW-19	04/19/2022	4.05
Downgradient	GN-AP-MW-20	04/20/2022	2.78
Downgradient	GN-AP-MW-21	05/03/2022	2.97
Downgradient	GN-AP-MW-22	05/03/2022	3.14
Downgradient	GN-AP-MW-4	05/02/2022	4.55

Notes:

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- DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
- mg/L - milligrams per liter, mv - millivolts, NTU - nephelometric turbidity unit, C - celsius, SU - standard unit, uS/cm - microseimens per centimeter, pCi/L - picocuries per liter.
- NC = value not detected with alkalinity calculation
- Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sulfide mg/L	Manganese Total mg/L	Carbon, Total Organic mg/L	Chloride mg/L	Carbonate Alkalinity as CaCO3 mg/L	Aluminum mg/L	Magnesium Total mg/L	Calcium mg/L
Downgradient	GN-AP-MW-5	05/03/2022	0	0.00115	<1	12.8	2.33	0.103	21.8	56.6
Downgradient	GN-AP-MW-6	05/03/2022	0	0.00409	<1	26.9	1.83	0.0245	28.2	68.8
Downgradient	GN-AP-MW-7	05/03/2022	0	0.0011	<1	12.6	2.13	0.0116	23.1	69
Downgradient	GN-AP-MW-8	05/02/2022	1	0.0227	1.63 J	3.33	1.75	<0.00609	26.3	52.4
Downgradient	GN-AP-MW-9	05/02/2022	0	0.125	<1	8.5	1.19	<0.00609	15.2	30.9
Vert. Delineation	GN-AP-MW-16V	04/27/2022	0	0.0134	<1	30.8	0.964	0.012	14.6	49.3
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	0	0.703	<1	59.6	NC	0.00789 J	21.1	140
Vert. Delineation	GN-AP-MW-17V	04/26/2022	0	0.00733	<1	71.5	1.11	0.0176	29.3	104
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	0	0.17	<1	18	0.666	<0.00609	50.3	136
Vert. Delineation	GN-AP-MW-20V	04/19/2022	0	0.017	<1	21.9	0.808	0.918	68.6	130
Vert. Delineation	GN-AP-MW-23D	04/20/2022	4	0.00689	1.44 J	56.9	1.93	0.0121	49	34.4
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	2	0.0371	4.29	22.8	2.84	0.00994 J	23.5	39.7
Vert. Delineation	GN-AP-MW-32V	04/26/2022	3	0.136	2.3	35.9	1.37	0.011	25	68.6
Vert. Delineation	GN-AP-MW-33V	04/26/2022	1	0.122	5.59	18.8	1.2	0.0161	22	61.6
Vert. Delineation	GN-AP-MW-34V	04/27/2022	3	0.0628	1.8 J	19	1.04	0.0127	80.7	157
Vert. Delineation	GN-AP-MW-35V	04/27/2022	1	0.104	1.29 J	8.01	3.47	0.00984 J	25.3	54.7
Vert. Delineation	GN-AP-MW-36V	04/26/2022	3	0.0383	5.68	137	3.93	0.0137	21.3	27.9
Vert. Delineation	GN-AP-MW-37V	04/26/2022	0	0.00632	1.31 J	14.1	1.74	<0.00609	19.9	49.4
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	0	0.00144	<1	23.8	1.14	0.011	24.2	62.9
Horiz. Delineation	GN-AP-MW-26	04/20/2022	0	0.000633	<1	22.3	2.21	0.00625 J	30.4	73.2

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6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Iron Total mg/L	Potassium mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Sodium mg/L	Silica mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Alkalinity Total as CaCO3 mg/L
Downgradient	GN-AP-MW-5	05/03/2022	0.0377 J	2.16	0.903	34	8.62	8.02	176	178
Downgradient	GN-AP-MW-6	05/03/2022	0.0177 J	2.18	0.795	115	18.9	6.81	158	160
Downgradient	GN-AP-MW-7	05/03/2022	0.0104 J	3.06	0.33	107	10.2	6.85	172	174
Downgradient	GN-AP-MW-8	05/02/2022	0.455	0.344 J	<0.2	3.02	16.9	10.1	282	284
Downgradient	GN-AP-MW-9	05/02/2022	0.248	0.503 J	<0.2	17.9	35.6	10.1	196	197
Vert. Delineation	GN-AP-MW-16V	04/27/2022	0.0118 J	17.6	<0.2	173	25.6	3.81	36.4	37.5
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	0.394	20.1	<0.2	323	37.5	5.97	42.3	42.5
Vert. Delineation	GN-AP-MW-17V	04/26/2022	0.069	30	<0.2	287	39.1	3.27	44.8	46.1
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	8	0.776	<0.2	416	15.8	15.3	107	108
Vert. Delineation	GN-AP-MW-20V	04/19/2022	0.499	0.529	<0.2	495	18.5	7.77	73.1	74
Vert. Delineation	GN-AP-MW-23D	04/20/2022	0.019 J	4.43	<0.2	42.6	24.8	11.1	210	212
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	0.0443	1.36	<0.2	24.1	51.9	10.6	240	243
Vert. Delineation	GN-AP-MW-32V	04/26/2022	0.0273 J	4.27	<0.2	130	68.8	13.5	216	217
Vert. Delineation	GN-AP-MW-33V	04/26/2022	0.136	4.26	<0.2	36.8	40	13.2	300	301
Vert. Delineation	GN-AP-MW-34V	04/27/2022	0.338	0.579	<0.2	484	33.9	9.12	92.2	93.3
Vert. Delineation	GN-AP-MW-35V	04/27/2022	0.0729	0.846	<0.2	37.3	23.1	14.4	207	211
Vert. Delineation	GN-AP-MW-36V	04/26/2022	0.0308 J	47	<0.2	165	181	7.08	289	293
Vert. Delineation	GN-AP-MW-37V	04/26/2022	0.115	2.45	<0.2	91.3	22.7	7.02	125	127
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	<0.00812	0.982	0.832	40.1	10.3	6.06	184	185
Horiz. Delineation	GN-AP-MW-26	04/20/2022	<0.00812	1.04	1.46	93.7	16.7	7.23	196	198

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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

**Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022**

General Chemistry and MNA Parameters			
Hydraulic Location	Well	Sample Date	Silicon mg/L
Downgradient	GN-AP-MW-5	05/03/2022	3.75
Downgradient	GN-AP-MW-6	05/03/2022	3.18
Downgradient	GN-AP-MW-7	05/03/2022	3.2
Downgradient	GN-AP-MW-8	05/02/2022	4.73
Downgradient	GN-AP-MW-9	05/02/2022	4.71
Vert. Delineation	GN-AP-MW-16V	04/27/2022	1.78
Vert. Delineation	GN-AP-MW-17SV	04/20/2022	2.79
Vert. Delineation	GN-AP-MW-17V	04/26/2022	1.53
Vert. Delineation	GN-AP-MW-20SV	04/20/2022	7.16
Vert. Delineation	GN-AP-MW-20V	04/19/2022	3.63
Vert. Delineation	GN-AP-MW-23D	04/20/2022	5.17
Vert. Delineation	GN-AP-MW-31VR	04/27/2022	4.93
Vert. Delineation	GN-AP-MW-32V	04/26/2022	6.29
Vert. Delineation	GN-AP-MW-33V	04/26/2022	6.16
Vert. Delineation	GN-AP-MW-34V	04/27/2022	4.26
Vert. Delineation	GN-AP-MW-35V	04/27/2022	6.74
Vert. Delineation	GN-AP-MW-36V	04/26/2022	3.31
Vert. Delineation	GN-AP-MW-37V	04/26/2022	3.28
Horiz. Delineation	GN-AP-MW-23S	04/20/2022	2.83
Horiz. Delineation	GN-AP-MW-26	04/20/2022	3.38

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sulfide mg/L	Manganese Total mg/L	Carbon, Total Organic mg/L	Chloride mg/L	Carbonate Alkalinity as CaCO ₃ mg/L	Aluminum mg/L	Magnesium Total mg/L	Calcium mg/L
Horiz. Delineation	GN-AP-MW-27	05/02/2022	0	0.00334	<1	13	0.215	0.0381	14.7	27.8
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	0	0.0131	<1	19.8	1.08	0.117	18.3	44.4
Horiz. Delineation	GN-AP-MW-29H	04/26/2022	0	0.00288	<1	29.6	0.641	0.00925 J	19.5	50.9
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	0	0.24	1.55 J	31.7	0.72	<0.00609	40.5	78.8

Notes:

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- 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 measurement.
- DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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- NC = value not detected with alkalinity calculation
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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Iron Total mg/L	Potassium mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Sodium mg/L	Silica mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Alkalinity Total as CaCO3 mg/L
Horiz. Delineation	GN-AP-MW-27	05/02/2022	0.0762	0.697	1.1	14.9	7.51	7.75	126	126
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	0.0664	10.7	<0.2	139	21.1	4.99	58.9	60.1
Horiz. Delineation	GN-AP-MW-29H	04/26/2022	0.0555	15.3	<0.2	180	28.7	4.56	51.7	52.4
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	0.853	0.785	<0.2	25.1	30.6	13.1	342	343

Notes:

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Table 6. First Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
04/19/2022 - 05/03/2022

General Chemistry and MNA Parameters			
Hydraulic Location	Well	Sample Date	Silicon mg/L
Horiz. Delineation	GN-AP-MW-27	05/02/2022	3.62
Horiz. Delineation	GN-AP-MW-28H	04/27/2022	2.33
Horiz. Delineation	GN-AP-MW-29H	04/26/2022	2.13
Horiz. Delineation	GN-AP-MW-30H	05/02/2022	6.14

Notes:

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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 measurement.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Conductivity uS/cm	DO mg/L	ORP mv	pH_Field SU	Field Temperature C	Turbidity NTU
Upgradient	GN-AP-MW-3	08/30/2022	254.66	5.44	44.94	9.22	19.9	8.62
Upgradient	GN-AP-MW-38	08/29/2022	202.34	5.7	160.69	8.09	19.37	4.15
Upgradient	GN-AP-MW-39	08/29/2022	228.07	0.21	-113.42	7.09	19.35	0.09
Upgradient	GN-AP-MW-40	08/29/2022	182.69	7.14	135.7	7.73	19.22	2.22
Upgradient	GN-AP-MW-41	08/29/2022	256.86	3.9	141.98	7.57	18.33	2.54
Upgradient	GN-AP-MW-42	08/29/2022	131.57	6.11	150.5	5.87	19.57	2.23
Downgradient	GN-AP-MW-10	08/31/2022	290.69	2.06	27.66	7.25	24.81	0.03
Downgradient	GN-AP-MW-11	09/06/2022	373.69	3.1	121.55	7.67	22.02	0.9
Downgradient	GN-AP-MW-12	09/06/2022	579.23	0.38	-106.35	7.39	24	3.46
Downgradient	GN-AP-MW-13	09/07/2022	359.74	0.29	-112.98	7.52	21.72	0.42
Downgradient	GN-AP-MW-14	09/06/2022	458.97	0.2	-127.79	7.35	22.39	0.54
Downgradient	GN-AP-MW-15R	08/31/2022	877.77	0.66	30.11	7.6	21.06	0.33
Downgradient	GN-AP-MW-16	08/30/2022	631.66	0.16	-75.27	7.84	21.14	1.73
Downgradient	GN-AP-MW-17	08/30/2022	1773.99	0.22	-164.23	9.18	21.38	0.35
Downgradient	GN-AP-MW-18	08/30/2022	897.24	0.09	21.99	6.65	20.09	1.58
Downgradient	GN-AP-MW-19	08/30/2022	455.44	0.91	-103.46	7.1	22.37	1.88
Downgradient	GN-AP-MW-20	08/30/2022	1156.89	0.37	-74.52	7.73	20.97	0.5
Downgradient	GN-AP-MW-21	08/30/2022	593.97	0.1	-71.25	7.45	19.53	0.53
Downgradient	GN-AP-MW-22	08/30/2022	512.7	0.13	139.16	7.17	19.62	0.24
Downgradient	GN-AP-MW-4	08/30/2022	519.52	1.1	38.2	6.85	19.78	1.8

Notes:

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- 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 measurement.
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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022

Field Parameters								
Hydraulic Location	Well	Sample Date	Conductivity uS/cm	DO mg/L	ORP mv	pH_Field SU	Field Temperature C	Turbidity NTU
Downgradient	GN-AP-MW-5	08/30/2022	415.1	4.21	134.57	7.47	20.69	4.39
Downgradient	GN-AP-MW-6	08/30/2022	595.15	0.46	44.01	7.6	19.77	1.69
Downgradient	GN-AP-MW-7	08/30/2022	500.54	0.23	65.38	7.57	19.82	0.38
Downgradient	GN-AP-MW-8	08/31/2022	460.09	2.21	-101.32	7.44	30.4	0.98
Downgradient	GN-AP-MW-9	08/31/2022	377.24	2.38	-123.47	7.74	26.58	0.28
Vert. Delineation	GN-AP-MW-16V	08/30/2022	513.25	0.5	-54.26	8.94	21.48	0.74
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	1023.22	0.21	-141.49	7.66	21.9	1.85
Vert. Delineation	GN-AP-MW-17V	08/31/2022	920.77	1.01	-147.79	8.27	24.42	0.76
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	972.33	0.13	-117.16	6.7	20.31	4.66
Vert. Delineation	GN-AP-MW-20V	08/29/2022	1062.41	0.24	-187.6	8.08	20.97	9.72
Vert. Delineation	GN-AP-MW-23D	09/07/2022	572.33	0.17	-201.94	7.93	23.36	0.28
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	486.46	0.82	-223.34	7.76	24.73	0.06
Vert. Delineation	GN-AP-MW-32V	09/06/2022	703.69	0.94	-251.71	7.83	23.9	0.88
Vert. Delineation	GN-AP-MW-33V	09/06/2022	614.33	0.45	-263.37	7.65	22.63	0.72
Vert. Delineation	GN-AP-MW-34V	09/07/2022	1041.03	0.32	-261.21	7.45	21.37	0.69
Vert. Delineation	GN-AP-MW-35V	09/07/2022	513.18	0.74	-240.98	7.96	23.74	0.39
Vert. Delineation	GN-AP-MW-36V	09/06/2022	1178.64	0.73	-282.15	7.96	24.02	0.24
Vert. Delineation	GN-AP-MW-37V	09/06/2022	448.76	0.58	-238.35	7.96	22.36	0.77
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	432.45	0.51	176.96	7.26	20.91	5.51
Horiz. Delineation	GN-AP-MW-26	08/29/2022	551.95	2.76	80.06	7.27	18.92	0.36

Notes:

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Table 7. Second Semi-Annual Monitoring Event

**Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022**

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	GN-AP-MW-27	09/06/2022	277.39	4.53	176.76	6.99	20.67	2.51
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	506.23	0.19	-161.97	8.17	21.32	0.62
Horiz. Delineation	GN-AP-MW-29H	08/31/2022	628.1	1.06	-155.52	8.32	24.19	0.74
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	718.92	0.21	-67.82	7.17	20.74	0.09

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	GN-AP-MW-3	08/30/2022	<0.03	30.6	1.64	<0.06	9.22	2.73
Upgradient	GN-AP-MW-38	08/29/2022	<0.03	23.1	4.26	0.0941 J	8.09	3.16
Upgradient	GN-AP-MW-39	08/29/2022	<0.03	36.4	2.06	0.0988 J	7.09	12.4
Upgradient	GN-AP-MW-40	08/29/2022	<0.03	21.3	1.74	<0.06	7.73	<0.6
Upgradient	GN-AP-MW-41	08/29/2022	<0.03	30.8	2.15	<0.06	7.57	2.24
Upgradient	GN-AP-MW-42	08/29/2022	<0.03	13.3	3.29	<0.06	5.87	2.99
Downgradient	GN-AP-MW-10	08/31/2022	<0.03	36.4	2.43	<0.06	7.25	3.78
Downgradient	GN-AP-MW-11	09/06/2022	0.326	46.7	7.27	<0.06	7.67	61.9
Downgradient	GN-AP-MW-12	09/06/2022	0.459	76.8	18.4	<0.06	7.39	104
Downgradient	GN-AP-MW-13	09/07/2022	<0.03	52.7	4.55	<0.06	7.52	0.641 J
Downgradient	GN-AP-MW-14	09/06/2022	<0.03	102	5.29	0.0891 J	7.35	148
Downgradient	GN-AP-MW-15R	08/31/2022	2.22	112	82	0.0842 J	7.6	225
Downgradient	GN-AP-MW-16	08/30/2022	1.42	111	56.6	0.114 J	7.84	190
Downgradient	GN-AP-MW-17	08/30/2022	3.33	300	272	0.115 J	9.18	415
Downgradient	GN-AP-MW-18	08/30/2022	1.72	155	13	<0.06	6.65	203
Downgradient	GN-AP-MW-19	08/30/2022	<0.03	45.8	13	<0.06	7.1	27.5
Downgradient	GN-AP-MW-20	08/30/2022	4.33	214	19	<0.06	7.73	538
Downgradient	GN-AP-MW-21	08/30/2022	1.48	85.6	28.1	<0.06	7.45	129
Downgradient	GN-AP-MW-22	08/30/2022	0.992	83.7	15.3	<0.06	7.17	77.9
Downgradient	GN-AP-MW-4	08/30/2022	0.112	67.4	8.56	<0.06	6.85	12.1
Downgradient	GN-AP-MW-5	08/30/2022	0.562	56.6	12.6	<0.06	7.47	33.3

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	GN-AP-MW-6	08/30/2022	1.72	84.6	23.9	<0.06	7.6	123
Downgradient	GN-AP-MW-7	08/30/2022	1.26	81.2	12	<0.06	7.57	212
Downgradient	GN-AP-MW-8	08/31/2022	<0.03	64	2.97	<0.06	7.44	1.14 J
Downgradient	GN-AP-MW-9	08/31/2022	<0.03	29.9	8.1	0.089 J	7.74	18.7
Vert. Delineation	GN-AP-MW-16V	08/30/2022	1.38	65.5	31.8	0.0733 J	8.94	157
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	2.55	147	84.6	0.0679 J	7.66	307
Vert. Delineation	GN-AP-MW-17V	08/31/2022	2.03	91.6	70.2	<0.06	8.27	268
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	2.81	166	16.8	0.0779 J	6.7	400
Vert. Delineation	GN-AP-MW-20V	08/29/2022	2.98	171	19.3	0.0767 J	8.08	495
Vert. Delineation	GN-AP-MW-23D	09/07/2022	1.4	33.2	52.7	0.0739 J	7.93	44.6
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	0.142	50.8	17.9	0.208	7.76	35.3
Vert. Delineation	GN-AP-MW-32V	09/06/2022	0.409	67.1	30.3	0.165	7.83	132
Vert. Delineation	GN-AP-MW-33V	09/06/2022	0.137	53.5	23.9	0.245	7.65	25.9
Vert. Delineation	GN-AP-MW-34V	09/07/2022	2.93	136	18.5	0.0807 J	7.45	471
Vert. Delineation	GN-AP-MW-35V	09/07/2022	0.205	38.4	7.9	0.129	7.96	38.6
Vert. Delineation	GN-AP-MW-36V	09/06/2022	0.144	26.3	123	0.421	7.96	155
Vert. Delineation	GN-AP-MW-37V	09/06/2022	0.41	39.8	14.3	0.235	7.96	84.7
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	0.393	58.9	18.9	<0.06	7.26	30
Horiz. Delineation	GN-AP-MW-26	08/29/2022	0.997	77.3	19.8	<0.06	7.27	88.4
Horiz. Delineation	GN-AP-MW-27	09/06/2022	0.154	28.6	13.6	<0.06	6.99	12
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	0.786	45.2	20.3	<0.06	8.17	128

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022

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	GN-AP-MW-29H	08/31/2022	1.17	56.5	32.8	<0.06	8.32	170
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	0.0465 J	91.9	28.9	0.131	7.17	25.9

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	GN-AP-MW-3	08/30/2022	<0.000508	0.00063	0.0177	<0.000406	<6.8e-005	0.000458 J	0.000184 J	<0.06
Upgradient	GN-AP-MW-38	08/29/2022	<0.000508	0.000109 J	0.00461	<0.000406	<6.8e-005	0.000511 J	9.99e-005 J	0.0941 J
Upgradient	GN-AP-MW-39	08/29/2022	<0.000508	0.000281	0.0302	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.0988 J
Upgradient	GN-AP-MW-40	08/29/2022	<0.000508	8.18e-005 J	0.00619	<0.000406	<6.8e-005	0.000944 J	<6.8e-005	<0.06
Upgradient	GN-AP-MW-41	08/29/2022	<0.000508	<8.1e-005	0.0212	<0.000406	<6.8e-005	0.000279 J	<6.8e-005	<0.06
Upgradient	GN-AP-MW-42	08/29/2022	<0.000508	0.000163 J	0.0147	<0.000406	<6.8e-005	0.000563 J	0.000118 J	<0.06
Downgradient	GN-AP-MW-10	08/31/2022	<0.000508	0.000173 J	0.0138	<0.000406	<6.8e-005	0.000378 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-11	09/06/2022	<0.000508	0.000164 J	0.00885	<0.000406	<6.8e-005	0.000929 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-12	09/06/2022	<0.000508	0.0033	0.0776	<0.000406	<6.8e-005	0.000347 J	0.00019 J	<0.06
Downgradient	GN-AP-MW-13	09/07/2022	<0.000508	0.000532	0.0422	<0.000406	<6.8e-005	0.000286 J	9.41e-005 J	<0.06
Downgradient	GN-AP-MW-14	09/06/2022	<0.000508	0.000568	0.0835	<0.000406	<6.8e-005	0.000289 J	<6.8e-005	0.0891 J
Downgradient	GN-AP-MW-15R	08/31/2022	<0.000508	0.000483	0.0551	<0.000406	<6.8e-005	0.000323 J	0.000193 J	0.0842 J
Downgradient	GN-AP-MW-16	08/30/2022	<0.000508	0.00556	0.0678	<0.000406	<6.8e-005	<0.000203	0.000978	0.114 J
Downgradient	GN-AP-MW-17	08/30/2022	<0.000508	0.00745	0.141	<0.000406	0.000271	<0.000203	<6.8e-005	0.115 J
Downgradient	GN-AP-MW-18	08/30/2022	<0.000508	0.00265	0.0573	<0.000406	<6.8e-005	<0.000203	0.00194	<0.06
Downgradient	GN-AP-MW-19	08/30/2022	<0.000508	0.00258	0.0146	<0.000406	<6.8e-005	<0.000203	0.000137 J	<0.06
Downgradient	GN-AP-MW-20	08/30/2022	<0.000508	0.00359	0.0537	<0.000406	0.000104 J	<0.000203	<6.8e-005	<0.06
Downgradient	GN-AP-MW-21	08/30/2022	<0.000508	0.00144	0.0425	<0.000406	<6.8e-005	<0.000203	0.00109	<0.06
Downgradient	GN-AP-MW-22	08/30/2022	<0.000508	0.00018 J	0.0284	<0.000406	<6.8e-005	<0.000203	0.000334	<0.06

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	Combined Radium 226 + 228 pCi/L
Upgradient	GN-AP-MW-3	08/30/2022	0.000615	<0.007105	<0.0003	0.00435	<0.000508	0.000709	0.842 U
Upgradient	GN-AP-MW-38	08/29/2022	<6.8e-005	<0.007105	<0.0003	0.00013 J	<0.000508	<6.8e-005	0.53 U
Upgradient	GN-AP-MW-39	08/29/2022	<6.8e-005	<0.007105	<0.0003	0.000816	<0.000508	<6.8e-005	0.527 U
Upgradient	GN-AP-MW-40	08/29/2022	<6.8e-005	<0.007105	<0.0003	<0.000102	<0.000508	<6.8e-005	0.00194 U
Upgradient	GN-AP-MW-41	08/29/2022	<6.8e-005	<0.007105	<0.0003	<0.000102	<0.000508	<6.8e-005	0.246 U
Upgradient	GN-AP-MW-42	08/29/2022	<6.8e-005	<0.007105	<0.0003	0.000169 J	<0.000508	<6.8e-005	0.63 U
Downgradient	GN-AP-MW-10	08/31/2022	<6.8e-005	<0.007105	<0.0003	0.000158 J	0.000532 J	<6.8e-005	0.73 U
Downgradient	GN-AP-MW-11	09/06/2022	<6.8e-005	<0.007105	<0.0003	0.000269	<0.000508	<6.8e-005	0.101 U
Downgradient	GN-AP-MW-12	09/06/2022	<6.8e-005	<0.007105	<0.0003	0.000272	<0.000508	<6.8e-005	0.847 U
Downgradient	GN-AP-MW-13	09/07/2022	<6.8e-005	<0.007105	<0.0003	0.000315	<0.000508	<6.8e-005	0.895 U
Downgradient	GN-AP-MW-14	09/06/2022	<6.8e-005	<0.007105	<0.0003	0.000701	<0.000508	<6.8e-005	1.92
Downgradient	GN-AP-MW-15R	08/31/2022	<6.8e-005	0.026	<0.0003	0.138	<0.000508	<6.8e-005	0.868 U
Downgradient	GN-AP-MW-16	08/30/2022	<6.8e-005	0.143	<0.0003	0.529	<0.000508	<6.8e-005	4.95
Downgradient	GN-AP-MW-17	08/30/2022	<6.8e-005	1.09	<0.0003	2.84	<0.000508	9.07e-005 J	1.14
Downgradient	GN-AP-MW-18	08/30/2022	<6.8e-005	0.0456	<0.0003	0.069	<0.000508	0.000487	1.46
Downgradient	GN-AP-MW-19	08/30/2022	<6.8e-005	<0.007105	<0.0003	0.0144	<0.000508	<6.8e-005	1
Downgradient	GN-AP-MW-20	08/30/2022	<6.8e-005	0.117	<0.0003	0.785	<0.000508	<6.8e-005	12.7
Downgradient	GN-AP-MW-21	08/30/2022	<6.8e-005	<0.007105	<0.0003	0.0101	<0.000508	<6.8e-005	0.697 U
Downgradient	GN-AP-MW-22	08/30/2022	<6.8e-005	<0.007105	<0.0003	0.0418	<0.000508	<6.8e-005	0.759 U

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	GN-AP-MW-4	08/30/2022	<0.000508	0.000129 J	0.0157	<0.000406	<6.8e-005	0.00055 J	7.75e-005 J	<0.06
Downgradient	GN-AP-MW-5	08/30/2022	<0.000508	0.000217	0.0234	<0.000406	<6.8e-005	0.000268 J	0.000112 J	<0.06
Downgradient	GN-AP-MW-6	08/30/2022	<0.000508	0.000172 J	0.0219	<0.000406	<6.8e-005	<0.000203	<6.8e-005	<0.06
Downgradient	GN-AP-MW-7	08/30/2022	<0.000508	0.000101 J	0.0188	<0.000406	<6.8e-005	<0.000203	<6.8e-005	<0.06
Downgradient	GN-AP-MW-8	08/31/2022	<0.000508	0.00113	0.018	<0.000406	<6.8e-005	0.000367 J	<6.8e-005	<0.06
Downgradient	GN-AP-MW-9	08/31/2022	<0.000508	0.00274	0.114	<0.000406	<6.8e-005	0.000286 J	<6.8e-005	0.089 J
Vert. Delineation	GN-AP-MW-16V	08/30/2022	<0.000508	0.000994	0.063	<0.000406	7.98e-005 J	<0.000203	0.00108	0.0733 J
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	<0.000508	0.00203	0.101	<0.000406	7.91e-005 J	0.000336 J	0.00155	0.0679 J
Vert. Delineation	GN-AP-MW-17V	08/31/2022	<0.000508	0.00134	0.0595	<0.000406	0.00016 J	0.000343 J	<6.8e-005	<0.06
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	<0.000508	0.00234	0.126	<0.000406	<6.8e-005	<0.000203	0.000548	0.0779 J
Vert. Delineation	GN-AP-MW-20V	08/29/2022	<0.000508	0.00278	0.0342	<0.000406	<6.8e-005	0.00173	0.000285	0.0767 J
Vert. Delineation	GN-AP-MW-23D	09/07/2022	<0.000508	0.00168	0.0426	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.0739 J
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	<0.000508	0.00581	0.0301	<0.000406	<6.8e-005	0.000297 J	<6.8e-005	0.208
Vert. Delineation	GN-AP-MW-32V	09/06/2022	<0.000508	0.00679	0.0622	<0.000406	<6.8e-005	0.000276 J	<6.8e-005	0.165
Vert. Delineation	GN-AP-MW-33V	09/06/2022	<0.000508	0.0122	0.0629	<0.000406	<6.8e-005	0.000279 J	<6.8e-005	0.245
Vert. Delineation	GN-AP-MW-34V	09/07/2022	<0.000508	0.00354	0.0345	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.0807 J
Vert. Delineation	GN-AP-MW-35V	09/07/2022	<0.000508	0.00251	0.018	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.129
Vert. Delineation	GN-AP-MW-36V	09/06/2022	<0.000508	0.00268	0.0855	<0.000406	<6.8e-005	<0.000203	<6.8e-005	0.421
Vert. Delineation	GN-AP-MW-37V	09/06/2022	<0.000508	0.000657	0.0376	<0.000406	<6.8e-005	0.000253 J	<6.8e-005	0.235
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	<0.000508	0.000255	0.0218	<0.000406	<6.8e-005	0.000268 J	<6.8e-005	<0.06

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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 measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	Combined Radium 226 + 228 pCi/L
Downgradient	GN-AP-MW-4	08/30/2022	<6.8e-005	<0.007105	<0.0003	0.000242	<0.000508	<6.8e-005	1.11
Downgradient	GN-AP-MW-5	08/30/2022	0.00013 J	<0.007105	<0.0003	0.0384	<0.000508	<6.8e-005	0.775 U
Downgradient	GN-AP-MW-6	08/30/2022	<6.8e-005	0.00779 J	<0.0003	0.00761	<0.000508	<6.8e-005	0.856 U
Downgradient	GN-AP-MW-7	08/30/2022	<6.8e-005	<0.007105	<0.0003	0.000281	<0.000508	<6.8e-005	0.842 U
Downgradient	GN-AP-MW-8	08/31/2022	<6.8e-005	<0.007105	<0.0003	0.000733	<0.000508	<6.8e-005	0.41 U
Downgradient	GN-AP-MW-9	08/31/2022	<6.8e-005	<0.007105	<0.0003	0.00128	<0.000508	<6.8e-005	0.741 U
Vert. Delineation	GN-AP-MW-16V	08/30/2022	<6.8e-005	0.331	<0.0003	0.686	<0.000508	0.000625	2.99
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	<6.8e-005	0.242	<0.0003	1.13	<0.000508	0.000135 J	1.62
Vert. Delineation	GN-AP-MW-17V	08/31/2022	<6.8e-005	0.493	<0.0003	2.12	<0.000508	<6.8e-005	11
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	<6.8e-005	0.0077 J	<0.0003	0.177	<0.000508	<6.8e-005	2.08
Vert. Delineation	GN-AP-MW-20V	08/29/2022	0.000847	0.0427	<0.0003	0.34	<0.000508	<6.8e-005	3.72
Vert. Delineation	GN-AP-MW-23D	09/07/2022	<6.8e-005	<0.007105	<0.0003	0.000634	<0.000508	<6.8e-005	0.81 U
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	<6.8e-005	<0.007105	<0.0003	0.0382	<0.000508	<6.8e-005	0.888 U
Vert. Delineation	GN-AP-MW-32V	09/06/2022	<6.8e-005	0.0659	<0.0003	0.026	<0.000508	<6.8e-005	2.26
Vert. Delineation	GN-AP-MW-33V	09/06/2022	<6.8e-005	0.0726	<0.0003	0.00837	<0.000508	<6.8e-005	1.8
Vert. Delineation	GN-AP-MW-34V	09/07/2022	<6.8e-005	0.0355	<0.0003	0.302	<0.000508	<6.8e-005	1.18
Vert. Delineation	GN-AP-MW-35V	09/07/2022	<6.8e-005	<0.007105	<0.0003	0.0116	<0.000508	<6.8e-005	1 U
Vert. Delineation	GN-AP-MW-36V	09/06/2022	<6.8e-005	0.0163 J	<0.0003	0.0437	<0.000508	<6.8e-005	1.93
Vert. Delineation	GN-AP-MW-37V	09/06/2022	<6.8e-005	0.0431	<0.0003	0.156	<0.000508	<6.8e-005	3.92
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	8.67e-005 J	<0.007105	<0.0003	0.0148	<0.000508	<6.8e-005	0.519 U

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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 - picocuries per liter.
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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

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	GN-AP-MW-26	08/29/2022	<0.000508	0.000112 J	0.0179	<0.000406	<6.8e-005	0.000296 J	<6.8e-005	<0.06
Horiz. Delineation	GN-AP-MW-27	09/06/2022	<0.000508	0.000198 J	0.0144	<0.000406	<6.8e-005	0.000321 J	<6.8e-005	<0.06
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	<0.000508	0.00272	0.035	<0.000406	<6.8e-005	0.000281 J	0.000205	<0.06
Horiz. Delineation	GN-AP-MW-29H	08/31/2022	<0.000508	0.00217	0.0678	<0.000406	0.000134 J	0.000363 J	<6.8e-005	<0.06
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	<0.000508	0.00428	0.0742	<0.000406	<6.8e-005	0.000285 J	0.00121	0.131

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Table 7. Second Semi-Annual Monitoring Event

**Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022**

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	Combined Radium 226 + 228 pCi/L
Horiz. Delineation	GN-AP-MW-26	08/29/2022	<6.8e-005	<0.007105	<0.0003	0.00295	<0.000508	<6.8e-005	0.373 U
Horiz. Delineation	GN-AP-MW-27	09/06/2022	<6.8e-005	<0.007105	<0.0003	0.00591	<0.000508	<6.8e-005	0.427 U
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	<6.8e-005	0.146	<0.0003	0.494	<0.000508	0.000102 J	6.83
Horiz. Delineation	GN-AP-MW-29H	08/31/2022	<6.8e-005	0.315	<0.0003	1.08	<0.000508	<6.8e-005	17
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	<6.8e-005	<0.007105	<0.0003	0.00223	<0.000508	<6.8e-005	1.91

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Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sulfide mg/L	Chloride mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Aluminum mg/L	Calcium mg/L	Iron Total mg/L	Potassium mg/L
Upgradient	GN-AP-MW-3	08/30/2022	0	1.64	<0.2	2.73	0.211	30.6	0.0642	0.303 J
Upgradient	GN-AP-MW-38	08/29/2022	0	4.26	0.676	3.16	0.11	23.1	0.0665	<0.169505
Upgradient	GN-AP-MW-39	08/29/2022	0	2.06	<0.2	12.4	0.00798 J	36.4	0.349	0.422 J
Upgradient	GN-AP-MW-40	08/29/2022	0	1.74	0.592	<0.6	0.055	21.3	0.0441	0.252 J
Upgradient	GN-AP-MW-41	08/29/2022	0	2.15	0.364	2.24	0.0785	30.8	0.0675	0.434 J
Upgradient	GN-AP-MW-42	08/29/2022	0	3.29	0.697	2.99	0.0379	13.3	0.0258 J	0.259 J
Downgradient	GN-AP-MW-10	08/31/2022	0	2.43	<0.2	3.78	<0.00609	36.4	<0.00812	0.238 J
Downgradient	GN-AP-MW-11	09/06/2022	0	7.27	0.838	61.9	0.0072 J	46.7	0.0111 J	0.227 J
Downgradient	GN-AP-MW-12	09/06/2022	0	18.4	<0.2	104	<0.00609	76.8	0.6	0.305 J
Downgradient	GN-AP-MW-13	09/07/2022	0	4.55	<0.2	0.641 J	<0.00609	52.7	0.406	0.313 J
Downgradient	GN-AP-MW-14	09/06/2022	0	5.29	<0.2	148	<0.00609	102	0.722	0.677
Downgradient	GN-AP-MW-15R	08/31/2022	0	82	<0.2	225	<0.00609	112	0.0789	5.75
Downgradient	GN-AP-MW-16	08/30/2022	0	56.6	<0.2	190	0.0491	111	0.107	16
Downgradient	GN-AP-MW-17	08/30/2022	0	272	<0.2	415	0.0626	300	<0.00812	43.3
Downgradient	GN-AP-MW-18	08/30/2022	0	13	<0.2	203	<0.00609	155	0.32	3.36
Downgradient	GN-AP-MW-19	08/30/2022	0	13	<0.2	27.5	<0.00609	45.8	0.589	0.412 J
Downgradient	GN-AP-MW-20	08/30/2022	0	19	<0.2	538	<0.00609	214	0.0137 J	9.49
Downgradient	GN-AP-MW-21	08/30/2022	0	28.1	<0.2	129	<0.00609	85.6	0.508	2.47
Downgradient	GN-AP-MW-22	08/30/2022	0	15.3	0.308	77.9	<0.00609	83.7	0.0199 J	2.27
Downgradient	GN-AP-MW-4	08/30/2022	0	8.56	<0.2	12.1	0.0168	67.4	0.0232 J	0.699

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Magnesium Total mg/L	Manganese Total mg/L	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
Upgradient	GN-AP-MW-3	08/30/2022	17.1	0.0536	1.73	8.39	3.92	<1	141	1.69
Upgradient	GN-AP-MW-38	08/29/2022	12.9	0.00387	2.88	6.42	3	<1	102	1.79
Upgradient	GN-AP-MW-39	08/29/2022	6.72	0.0638	4.79	11.6	5.41	1.07 J	108	1.48
Upgradient	GN-AP-MW-40	08/29/2022	12.2	0.00543	1.04	7.68	3.59	<1	100	1.43
Upgradient	GN-AP-MW-41	08/29/2022	17.5	0.00722	0.867	6.74	3.15	<1	141	2.07
Upgradient	GN-AP-MW-42	08/29/2022	8.32	0.0283	3.69	7.34	3.43	<1	63.7	NC
Downgradient	GN-AP-MW-10	08/31/2022	20.2	0.000969 J	2.41	8.65	4.04	<1	170	2.44
Downgradient	GN-AP-MW-11	09/06/2022	21.7	0.00138	5.84	8.71	4.07	<1	123	1.41
Downgradient	GN-AP-MW-12	09/06/2022	36.4	0.109	10	8.69	4.06	<1	190	2.22
Downgradient	GN-AP-MW-13	09/07/2022	23	0.113	4.38	8.6	4.02	<1	205	2.34
Downgradient	GN-AP-MW-14	09/06/2022	30.3	0.0746	18.9	10.9	5.09	<1	265	1.53
Downgradient	GN-AP-MW-15R	08/31/2022	27.5	0.305	63.8	6.53	3.05	<1	86.7	0.63
Downgradient	GN-AP-MW-16	08/30/2022	9.12	0.557	23.4	5.03	2.35	<1	29.6	NC
Downgradient	GN-AP-MW-17	08/30/2022	11.4	0.0172	48.3	5.46	2.55	1.16 J	20.9	2.41
Downgradient	GN-AP-MW-18	08/30/2022	58.6	0.823	11.1	8.92	4.17	<1	280	NC
Downgradient	GN-AP-MW-19	08/30/2022	21	0.0127	12.9	8.54	3.99	<1	172	2.76
Downgradient	GN-AP-MW-20	08/30/2022	67.7	0.00291	26.3	5.84	2.73	<1	53	NC
Downgradient	GN-AP-MW-21	08/30/2022	26.6	0.232	18.8	6.08	2.84	<1	149	1.24
Downgradient	GN-AP-MW-22	08/30/2022	24.4	0.182	11.5	6.42	3	<1	183	2.19
Downgradient	GN-AP-MW-4	08/30/2022	29.6	0.0109	6.29	9.5	4.44	<1	235	2.69

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Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters			
Hydraulic Location	Well	Sample Date	Bicarbonate Alkalinity as CaCO ₃ mg/L
Upgradient	GN-AP-MW-3	08/30/2022	139
Upgradient	GN-AP-MW-38	08/29/2022	100
Upgradient	GN-AP-MW-39	08/29/2022	106
Upgradient	GN-AP-MW-40	08/29/2022	98.5
Upgradient	GN-AP-MW-41	08/29/2022	139
Upgradient	GN-AP-MW-42	08/29/2022	63.2
Downgradient	GN-AP-MW-10	08/31/2022	167
Downgradient	GN-AP-MW-11	09/06/2022	122
Downgradient	GN-AP-MW-12	09/06/2022	188
Downgradient	GN-AP-MW-13	09/07/2022	203
Downgradient	GN-AP-MW-14	09/06/2022	263
Downgradient	GN-AP-MW-15R	08/31/2022	86
Downgradient	GN-AP-MW-16	08/30/2022	29.4
Downgradient	GN-AP-MW-17	08/30/2022	17.8
Downgradient	GN-AP-MW-18	08/30/2022	280
Downgradient	GN-AP-MW-19	08/30/2022	169
Downgradient	GN-AP-MW-20	08/30/2022	52.5
Downgradient	GN-AP-MW-21	08/30/2022	148
Downgradient	GN-AP-MW-22	08/30/2022	181
Downgradient	GN-AP-MW-4	08/30/2022	232

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Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sulfide mg/L	Chloride mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Aluminum mg/L	Calcium mg/L	Iron Total mg/L	Potassium mg/L
Downgradient	GN-AP-MW-5	08/30/2022	0	12.6	0.964	33.3	0.108	56.6	0.0722	2.08
Downgradient	GN-AP-MW-6	08/30/2022	0	23.9	0.932	123	0.0384	84.6	0.0531	2.15
Downgradient	GN-AP-MW-7	08/30/2022	0	12	<0.2	212	<0.00609	81.2	<0.00812	3.1
Downgradient	GN-AP-MW-8	08/31/2022	1	2.97	<0.2	1.14 J	<0.00609	64	0.643	0.318 J
Downgradient	GN-AP-MW-9	08/31/2022	0	8.1	<0.2	18.7	<0.00609	29.9	0.326	0.519
Vert. Delineation	GN-AP-MW-16V	08/30/2022	0	31.8	<0.2	157	0.0192	65.5	0.0328 J	18.5
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	0	84.6	<0.2	307	<0.00609	147	0.364	20.6
Vert. Delineation	GN-AP-MW-17V	08/31/2022	0	70.2	<0.2	268	0.0143	91.6	0.0847	29.5
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	0	16.8	<0.2	400	0.012	166	11.3	0.766
Vert. Delineation	GN-AP-MW-20V	08/29/2022	0	19.3	<0.2	495	0.708	171	1.21	0.476 J
Vert. Delineation	GN-AP-MW-23D	09/07/2022	1	52.7	<0.2	44.6	<0.00609	33.2	0.0226 J	4.59
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	3	17.9	<0.2	35.3	0.013	50.8	0.0378 J	1.04
Vert. Delineation	GN-AP-MW-32V	09/06/2022	3	30.3	<0.2	132	0.00817 J	67.1	0.0274 J	4.78
Vert. Delineation	GN-AP-MW-33V	09/06/2022	1	23.9	<0.2	25.9	0.0102	53.5	0.0633	4.86
Vert. Delineation	GN-AP-MW-34V	09/07/2022	1	18.5	<0.2	471	0.00746 J	136	0.355	0.544
Vert. Delineation	GN-AP-MW-35V	09/07/2022	1	7.9	1.23	38.6	<0.00609	38.4	0.0744	0.938
Vert. Delineation	GN-AP-MW-36V	09/06/2022	2	123	<0.2	155	0.00721 J	26.3	0.0198 J	46.4
Vert. Delineation	GN-AP-MW-37V	09/06/2022	1	14.3	<0.2	84.7	<0.00609	39.8	0.117	2.68
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	0	18.9	0.796	30	0.167	58.9	0.0624	0.799
Horiz. Delineation	GN-AP-MW-26	08/29/2022	0	19.8	1.25	88.4	<0.00609	77.3	<0.00812	1.01

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 measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Magnesium Total mg/L	Manganese Total mg/L	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
Downgradient	GN-AP-MW-5	08/30/2022	22.1	0.0016	8.39	8.17	3.82	<1	175	1.49
Downgradient	GN-AP-MW-6	08/30/2022	28.9	0.0112	18.1	6.96	3.25	<1	161	1.37
Downgradient	GN-AP-MW-7	08/30/2022	21.8	0.000522 J	9.46	6.68	3.12	<1	150	1.46
Downgradient	GN-AP-MW-8	08/31/2022	25.1	0.0245	17.4	9.91	4.63	2.15	249	1.93
Downgradient	GN-AP-MW-9	08/31/2022	14.4	0.105	35.8	9.8	4.58	<1	178	2.39
Vert. Delineation	GN-AP-MW-16V	08/30/2022	14.3	0.015	23.5	3.77	1.76	<1	35.7	NC
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	22.5	0.669	37.7	6.31	2.95	<1	41.2	NC
Vert. Delineation	GN-AP-MW-17V	08/31/2022	29.7	0.00786	38	3.4	1.59	<1	40.9	0.55
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	61.9	0.17	15.3	15.6	7.28	<1	96.2	0.61
Vert. Delineation	GN-AP-MW-20V	08/29/2022	91.9	0.0185	18.8	9.52	4.45	<1	65.9	0.6
Vert. Delineation	GN-AP-MW-23D	09/07/2022	45.9	0.00676	25.5	11.1	5.19	1.25 J	181	1.85
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	24.5	0.0296	27	9.89	4.62	2.2	208	1.61
Vert. Delineation	GN-AP-MW-32V	09/06/2022	23.7	0.134	69.8	13.6	6.35	1.91 J	144	0.63
Vert. Delineation	GN-AP-MW-33V	09/06/2022	24	0.0868	58.4	14.9	6.96	3.02	254	3.4
Vert. Delineation	GN-AP-MW-34V	09/07/2022	69.3	0.0521	33.1	8.82	4.12	1.7 J	81.9	0.71
Vert. Delineation	GN-AP-MW-35V	09/07/2022	23.4	0.0944	24.6	14	6.52	1.31 J	195	2.8
Vert. Delineation	GN-AP-MW-36V	09/06/2022	20.4	0.0378	173	6.96	3.25	6.08	217	2.16
Vert. Delineation	GN-AP-MW-37V	09/06/2022	19.1	0.00649	22.2	6.96	3.25	1.21 J	110	1.35
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	24.2	0.00265	9.35	6.38	2.98	<1	175	0.92
Horiz. Delineation	GN-AP-MW-26	08/29/2022	30.1	0.000688 J	16.5	7.4	3.46	<1	176	1.68

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 measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

**Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022**

General Chemistry and MNA Parameters			
Hydraulic Location	Well	Sample Date	Bicarbonate Alkalinity as CaCO ₃ mg/L
Downgradient	GN-AP-MW-5	08/30/2022	173
Downgradient	GN-AP-MW-6	08/30/2022	160
Downgradient	GN-AP-MW-7	08/30/2022	148
Downgradient	GN-AP-MW-8	08/31/2022	247
Downgradient	GN-AP-MW-9	08/31/2022	176
Vert. Delineation	GN-AP-MW-16V	08/30/2022	35.4
Vert. Delineation	GN-AP-MW-17SV	08/31/2022	40.9
Vert. Delineation	GN-AP-MW-17V	08/31/2022	40.3
Vert. Delineation	GN-AP-MW-20SV	08/30/2022	95.6
Vert. Delineation	GN-AP-MW-20V	08/29/2022	65.3
Vert. Delineation	GN-AP-MW-23D	09/07/2022	179
Vert. Delineation	GN-AP-MW-31VR	08/31/2022	206
Vert. Delineation	GN-AP-MW-32V	09/06/2022	143
Vert. Delineation	GN-AP-MW-33V	09/06/2022	251
Vert. Delineation	GN-AP-MW-34V	09/07/2022	81.1
Vert. Delineation	GN-AP-MW-35V	09/07/2022	192
Vert. Delineation	GN-AP-MW-36V	09/06/2022	215
Vert. Delineation	GN-AP-MW-37V	09/06/2022	109
Horiz. Delineation	GN-AP-MW-23S	09/07/2022	174
Horiz. Delineation	GN-AP-MW-26	08/29/2022	174

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 measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 7. Second Semi-Annual Monitoring Event

**Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022**

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Sulfide mg/L	Chloride mg/L	Nitrate Nitrite mg/L as N	Sulfate mg/L	Aluminum mg/L	Calcium mg/L	Iron Total mg/L	Potassium mg/L
Horiz. Delineation	GN-AP-MW-27	09/06/2022	0	13.6	<0.2	12	0.0773	28.6	0.0478	0.945
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	0	20.3	<0.2	128	0.0896	45.2	0.0502	10.9
Horiz. Delineation	GN-AP-MW-29H	08/31/2022	0	32.8	<0.2	170	0.00626 J	56.5	0.0613	15.2
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	0	28.9	<0.2	25.9	<0.00609	91.9	0.908	0.783

Notes:

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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 measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 7. Second Semi-Annual Monitoring Event

Analytical Results Summary Plant Gaston Ash Pond 08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters										
Hydraulic Location	Well	Sample Date	Magnesium Total mg/L	Manganese Total mg/L	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
Horiz. Delineation	GN-AP-MW-27	09/06/2022	14.9	0.00322	7.23	7.4	3.46	<1	117	1.06
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	17.7	0.0123	20.2	4.75	2.22	<1	58	0.79
Horiz. Delineation	GN-AP-MW-29H	08/31/2022	19.9	0.00279	29	4.49	2.1	<1	46.2	0.59
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	39.1	0.237	28.2	12.7	5.93	1.43 J	330	0.96

Notes:

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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 measurement.
4. DO - Dissolved Oxygen, ORP - Oxidation Reduction Potential, TDS - Total Dissolved Solids.
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6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Table 7. Second Semi-Annual Monitoring Event

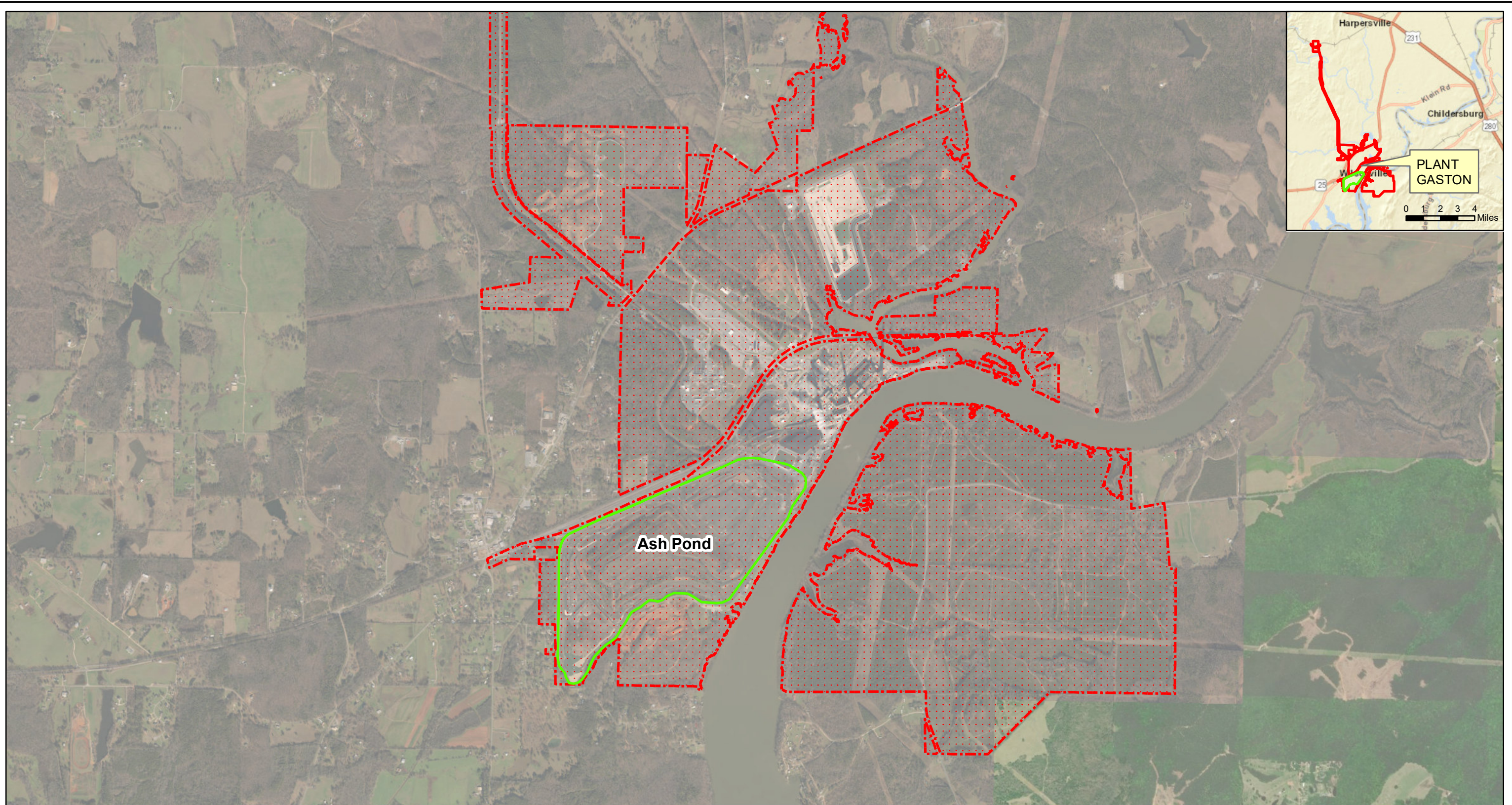
Analytical Results Summary
Plant Gaston Ash Pond
08/29/2022 - 09/07/2022

General Chemistry and MNA Parameters			
Hydraulic Location	Well	Sample Date	Bicarbonate Alkalinity as CaCO ₃ mg/L
Horiz. Delineation	GN-AP-MW-27	09/06/2022	116
Horiz. Delineation	GN-AP-MW-28H	08/31/2022	57.1
Horiz. Delineation	GN-AP-MW-29H	08/31/2022	45.5
Horiz. Delineation	GN-AP-MW-30H	08/31/2022	329



Notes:

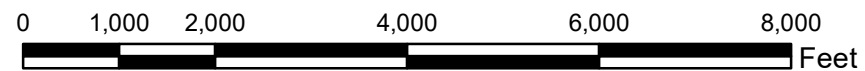
1. "J" indicates the result was detected above the MDL but below the PQL
2. "<" indicates the result was not detected above the MDL and is considered a non-detect.
3. U - Radium data is a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
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 - picocuries per liter.
6. NC = value not detected with alkalinity calculation
7. Shaded cells indicate result greater than GWPS, but does not necessarily indicate an SSL.

Figures



Legend

-  Ash Pond Boundary
-  Property Boundary (Approximate)



SCALE 1:24000

DATE 10/26/2020

DRAWN BY KAR

CHECKED BY GBD

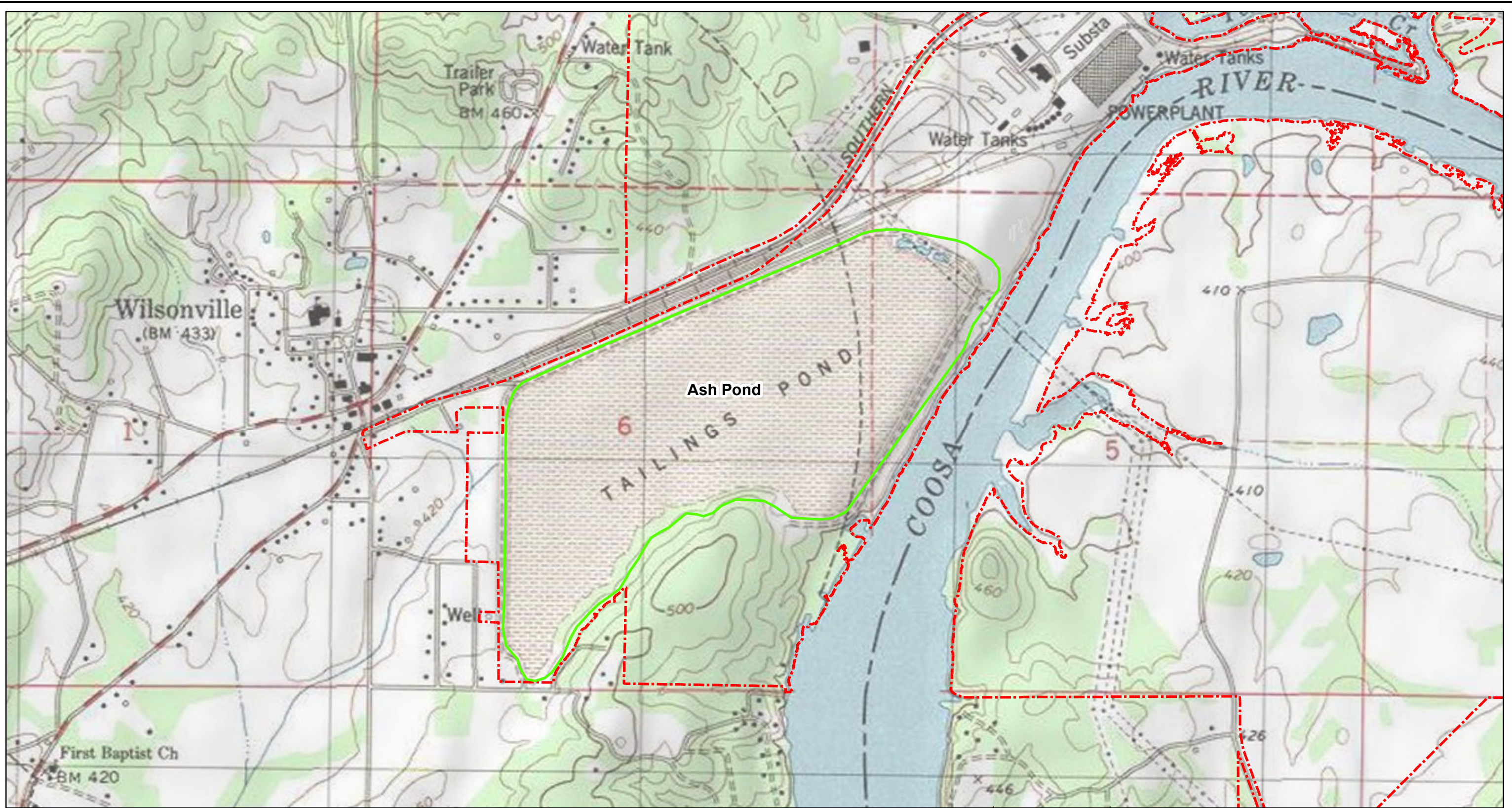
DRAWING TITLE

SITE LOCATION MAP
PLANT GASTON ASH POND

FIGURE NO

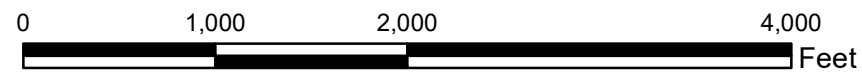
FIGURE 1





Legend

- Ash Pond Boundary
- Property Boundary (Approximate)

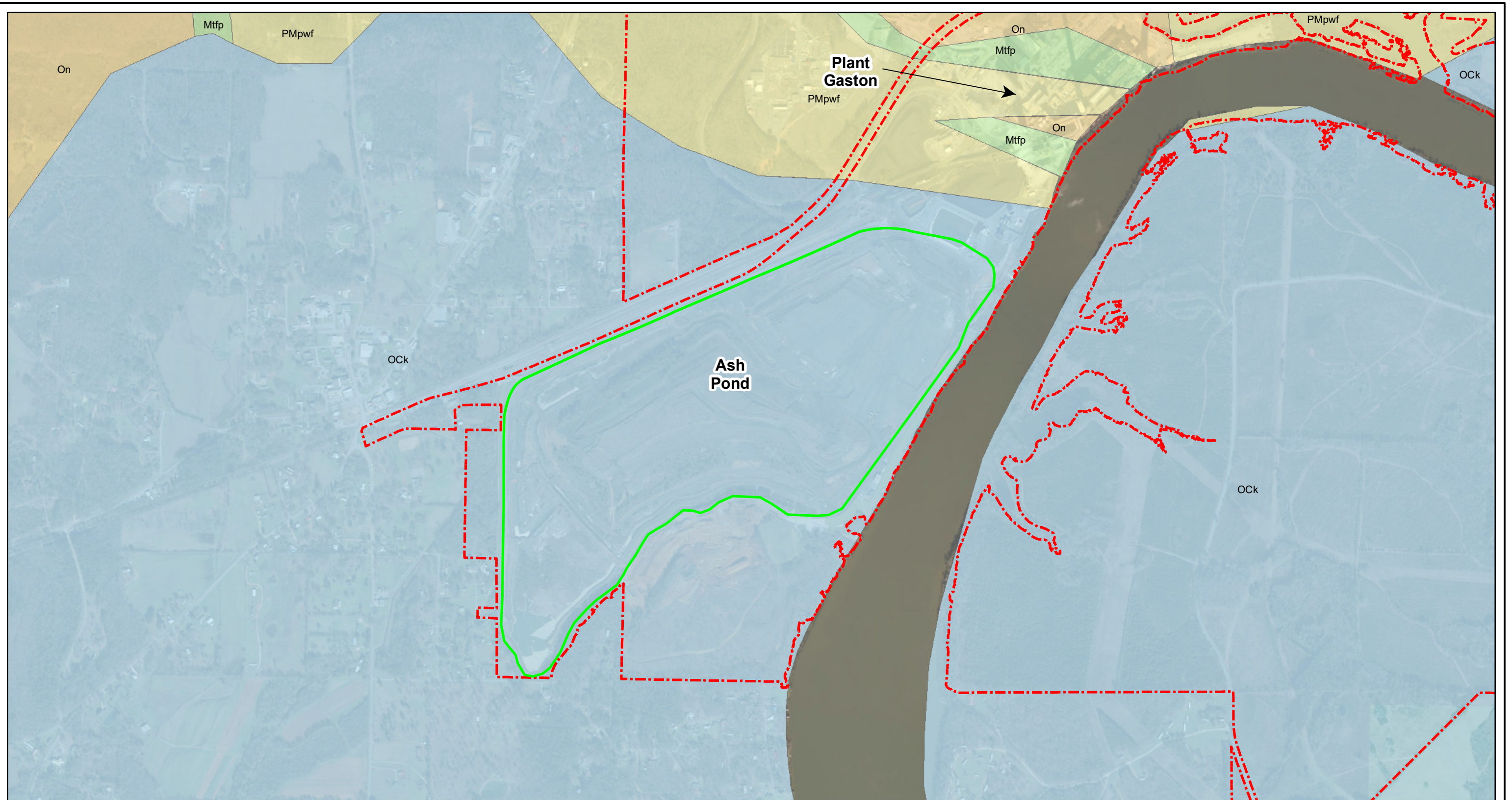


SCALE	1:12000
DATE	10/26/2020
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE
**SITE TOPOGRAPHIC MAP
 PLANT GASTON ASH POND**

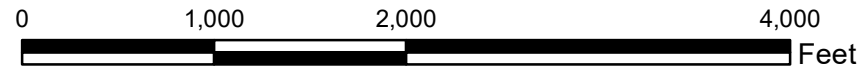
FIGURE NO
FIGURE 2





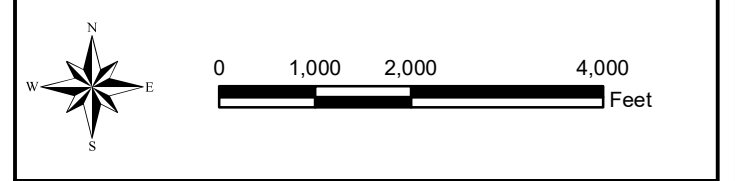
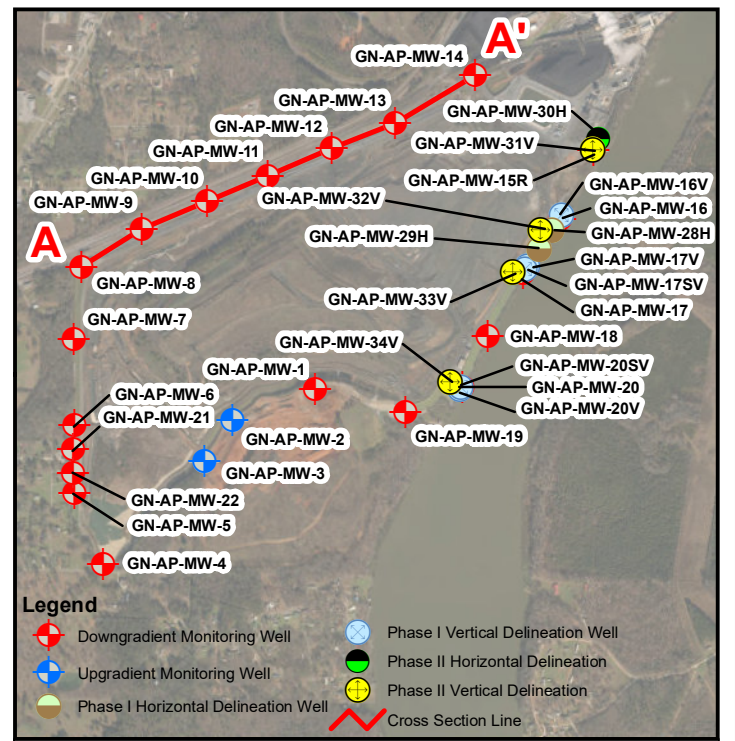
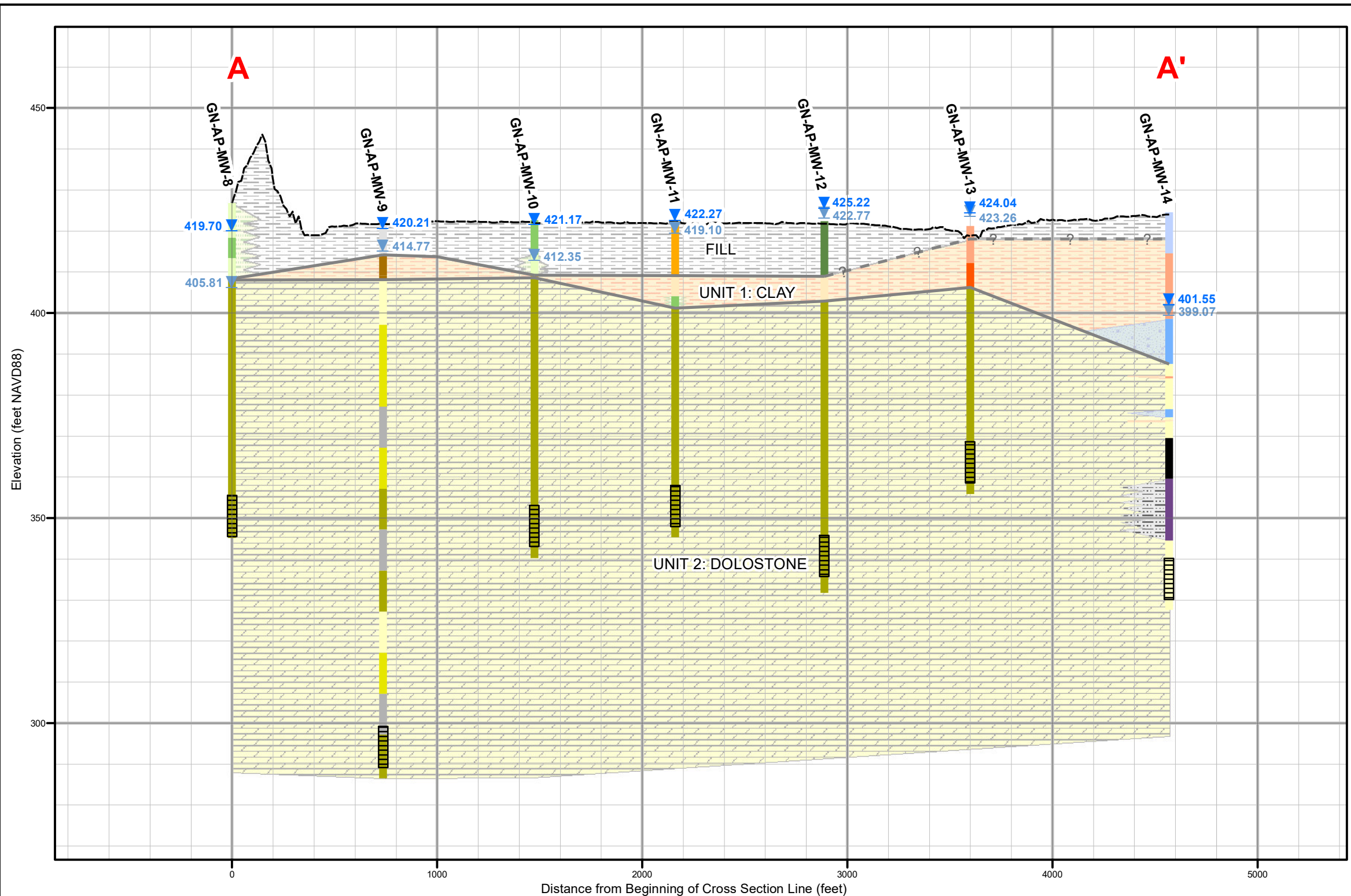
- Legend**
- Ash Pond Boundary
 - Property Boundary (Approximate)

- Geologic Units**
- Knox Group undifferentiated (OCK)
 - Newala Limestone (On)
 - Parkwood Formation and Floyd Shale undifferentiated (PMpwf)
 - Tuscomb Limestone and Fort Payne Chert undifferentiated (Mtfp)



SCALE	1:12000
DATE	10/27/2020
DRAWN BY	KWR
CHECKED BY	GBD

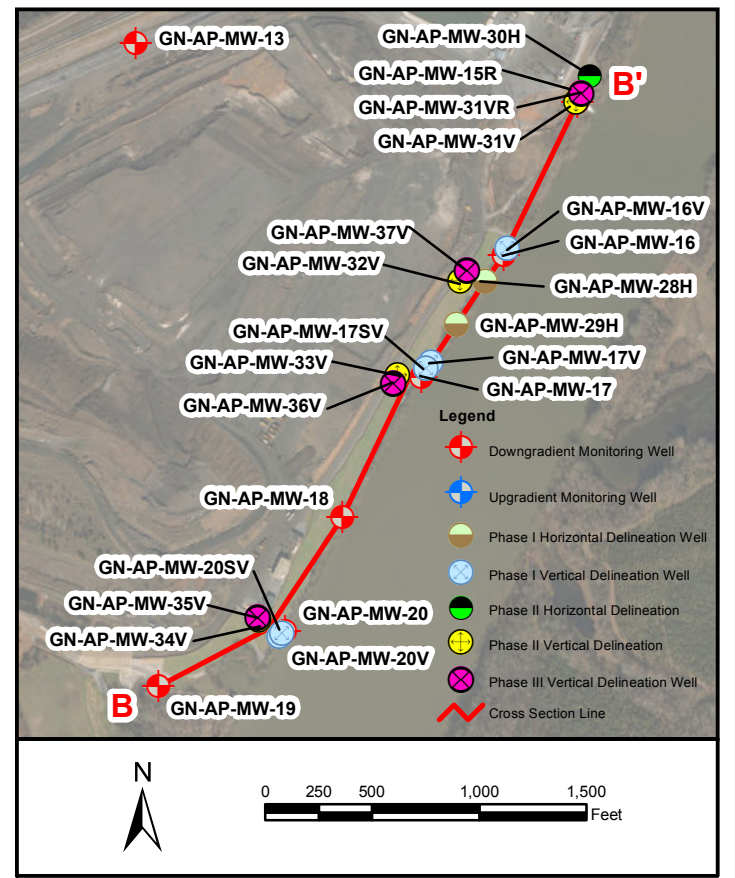
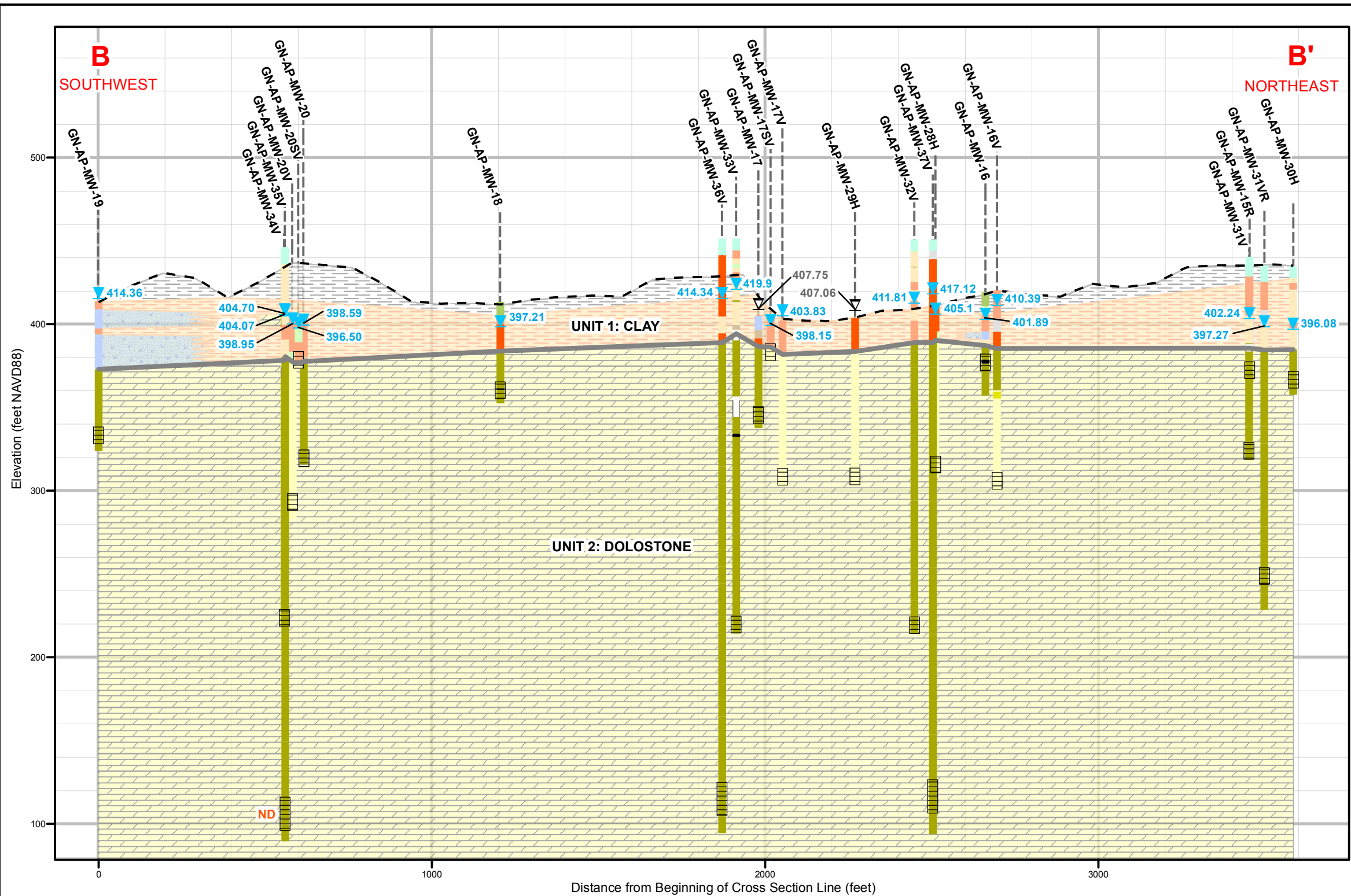
DRAWING TITLE	
SITE GEOLOGIC MAP PLANT GASTON ASH POND	
FIGURE NO	Southern Company
FIGURE 3	



Notes: 1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Maximum and minimum groundwater elevation data were derived from the highest and lowest groundwater elevation values measured during events spanning March 28, 2018 to October 22, 2019.
 4. Vertical exaggeration = 20x.

Legend		Borehole Descriptions		Geologic Units	
▼	Maximum Groundwater Elevation	—	No Recovery	▨	Fill
▼	Minimum Groundwater Elevation	▨	Hydroexcavation	▨	Gravels
▨	Screen Interval	▨	Discontinuity	▨	Shale
—	Ground Surface Elevation	▨	Fill	▨	Dolostone
—	Unit Boundary	▨	Fat Clay	▨	Discontinuity
—	Inferred Unit Boundary	▨	Lean Clay	▨	Gravelly Elastic Silt
		▨	Silty Clay	▨	Clayey Gravel
		▨		▨	Silts
		▨		▨	Sands
		▨		▨	Shale
		▨		▨	Limestone
		▨		▨	Dolomitic Limestone
		▨		▨	Dolostone

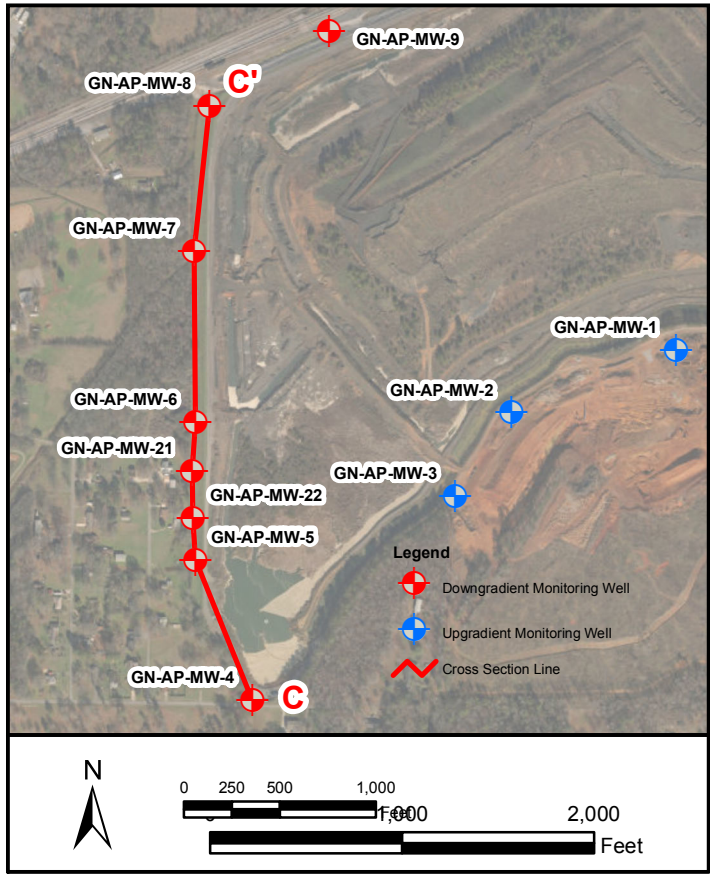
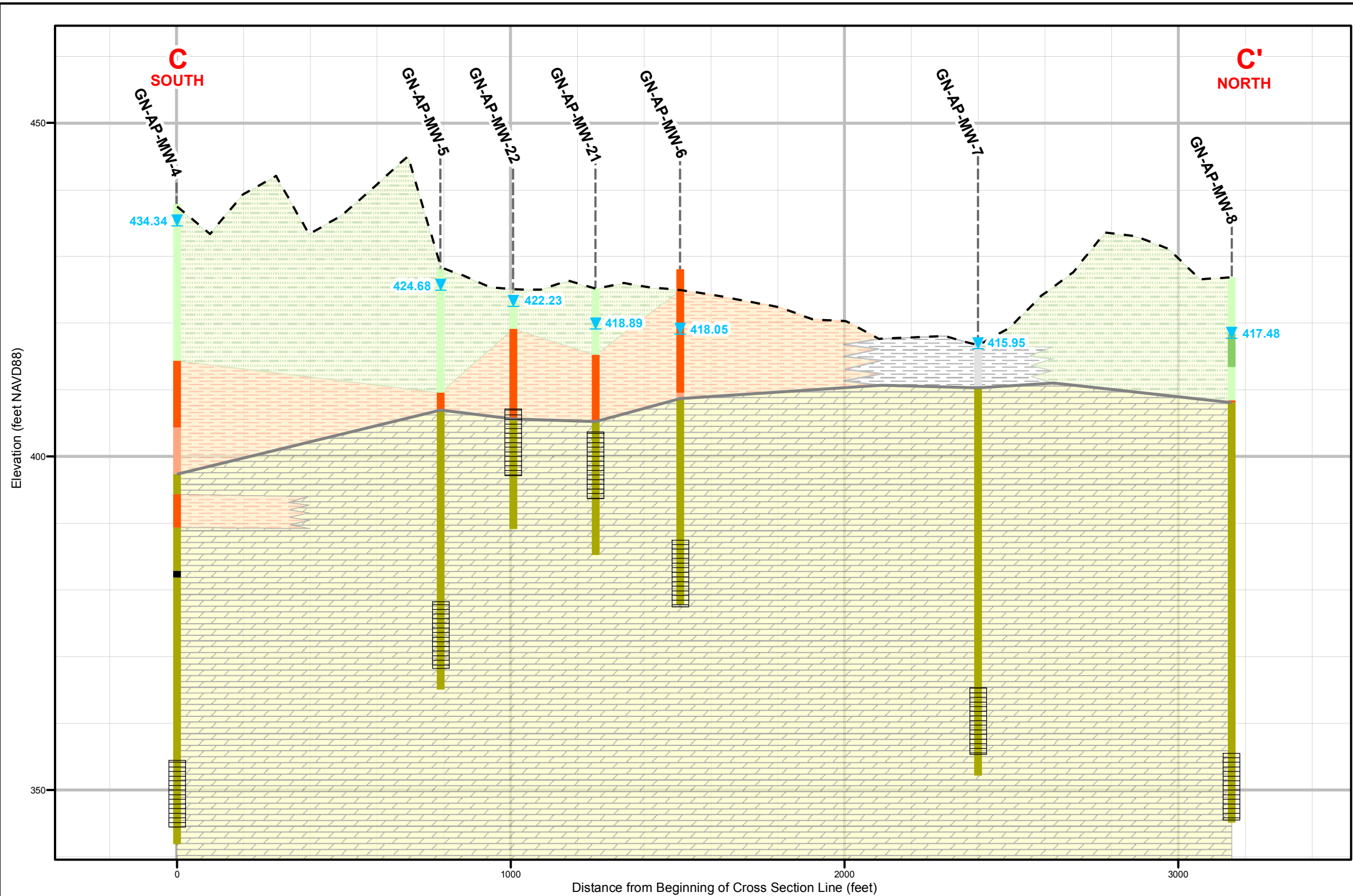
SCALE	As Shown	DRAWING TITLE	GEOLOGIC CROSS SECTION A - A' PLANT GASTON ASH POND
DATE	9/21/2020		
DRAWN BY	KWR	FIGURE NO	FIGURE 4A
CHECKED BY	GBD		



Notes: 1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Groundwater elevations were measured on April 29, 2020.
 4. Vertical exaggeration = 5x.

Legend		Borehole Description		Geologic Units	
	Groundwater Elevation		No Recovery		Fill
	Artesian Well: Top of Casing Elevation		Hydroexcavation		Clays
	Well Location		Fill		Bedrock Residuum Gravel with Clay
	Ground Surface Elevation		Rock Flour or Gypsum		Dolostone
	Screen Interval		Topsoil		Discontinuity
			Fat Clays		Unit Boundary
			Lean Clays		
			Silty Clay		
			Silt		
			Clayey Sand		
			Clayey Gravel		
			Sandstone		
			Limestone		
			Partially Weathered Rock		
			Dolostone		
			Discontinuity		

SCALE	AS SHOWN	DRAWING TITLE	FIGURE NO
DATE	9/21/2020		
DRAWN BY	KWR		
CHECKED BY	GBD		



Notes: 1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Groundwater elevation data were measured on April 29, 2020.
 4. Vertical exaggeration = 20x.

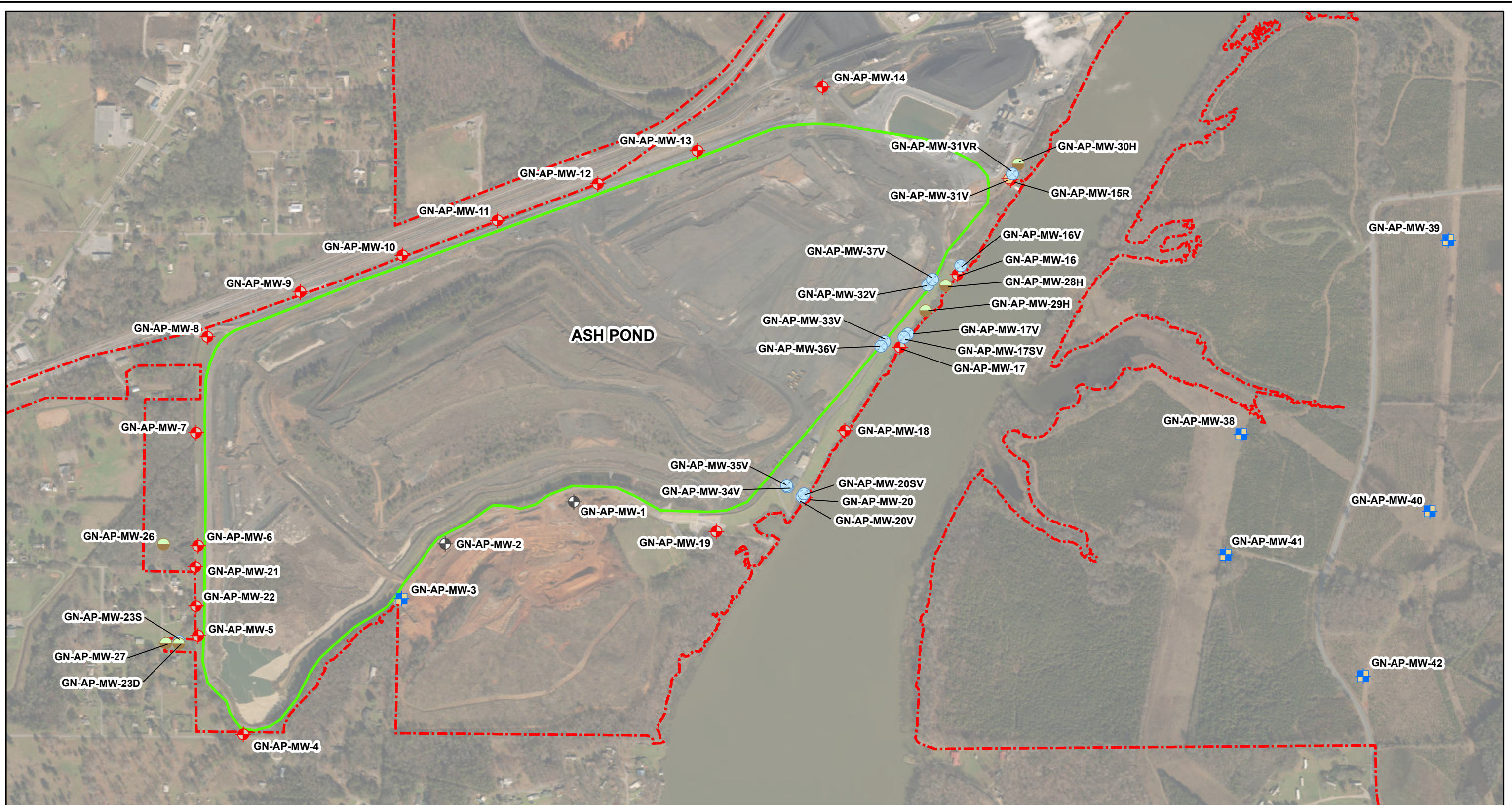
Legend		Borehole Description		Geologic Units	
	Groundwater Elevation		Topsoil		Fill
	Well Location		Lean Clay		Clays
	Ground Surface Elevation		Silty Clay		Silts
	Screen Interval		Silt		Dolostone
			Sandy Silt		Discontinuity
			Dolostone		Unit Boundary
			Discontinuity		

SCALE	AS SHOWN	DRAWING TITLE
DATE	9/21/2020	
DRAWN BY	KWR	
CHECKED BY	GBD	
FIGURE NO		Southern Company
FIGURE 4C		

**GEOLOGIC CROSS SECTION C - C'
 PLANT GASTON ASH POND**

FIGURE 4C





Legend

Downgradient Monitoring Well	Ash Pond Boundary
Upgradient Monitoring Well	Property Boundary (Approximate)
Horizontal Delineation Well	
Vertical Delineation Well	
Piezometer	
Abandoned Monitoring Well	



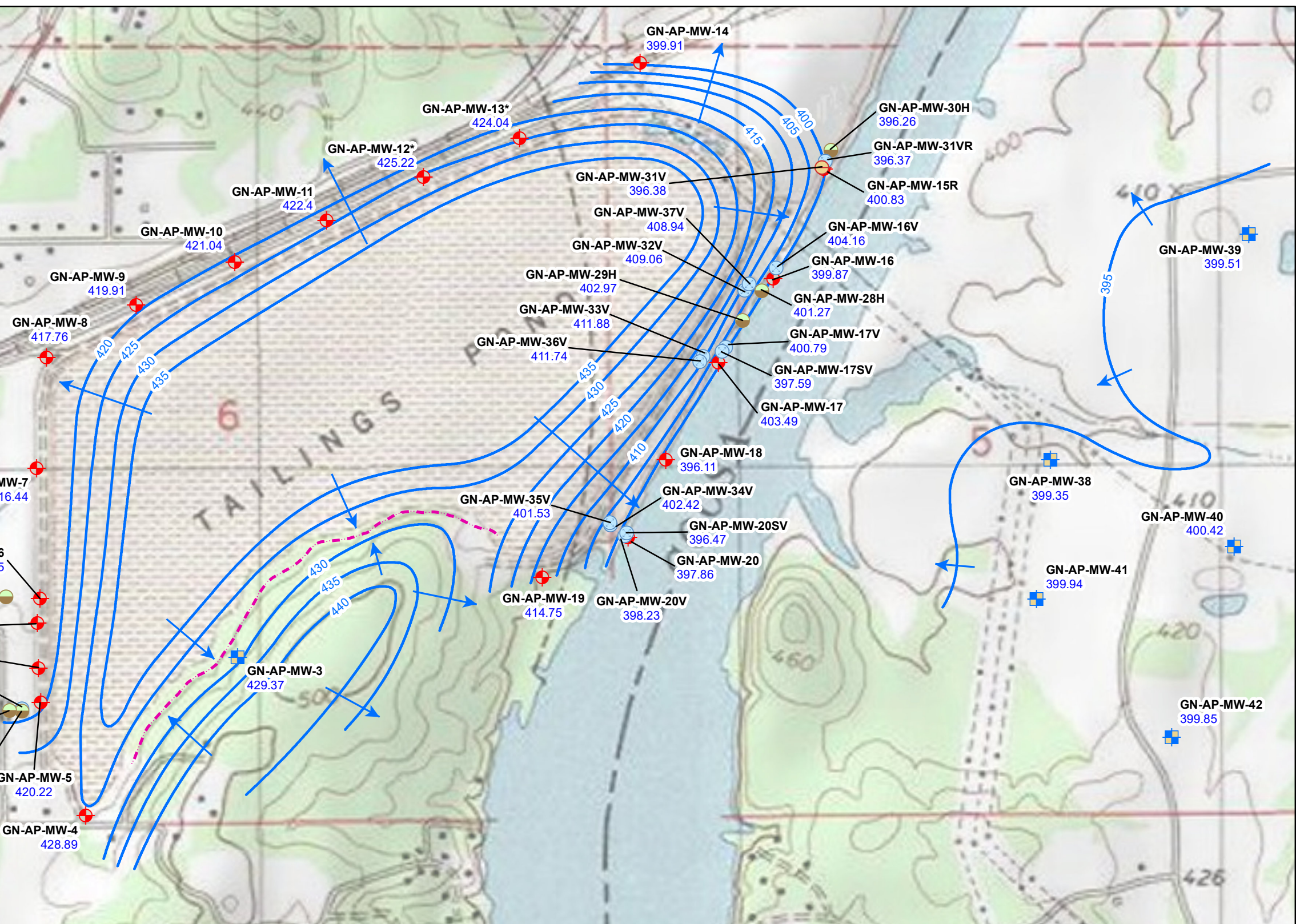
NOTES:
 1. Monitoring wells GN-AP-MW-1 and GN-AP-MW-2 were abandoned in October 2019 due to construction activities.
 2. Upgradient wells GN-AP-MW-38 through GN-AP-MW-42 were installed in February 2021.

SCALE	1:9000
DATE	6/23/2021
DRAWN BY	KAR
CHECKED BY	GBD

DRAWING TITLE	
MONITORING WELL LOCATION MAP PLANT GASTON ASH POND	
FIGURE NO	FIGURE 5
Southern Company	

Well ID	Geologic Unit Screened	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)
GN-AP-MW-17SV	Upper Knox Dolomite	420.27	26.8	404.26	394.26
GN-AP-MW-20SV	Upper Knox Dolomite	403.06	32.1	382.75	372.75
GN-AP-MW-20V	Mid-Lower Knox Dolomite	404.16	120.0	299.10	289.10
GN-AP-MW-17V	Middle Knox Dolomite	403.61	100.0	314.25	304.25
GN-AP-MW-16V	Mid-Lower Knox Dolomite	404.03	120.0	294.06	284.06
GN-AP-MW-23D	Mid-Lower Knox Dolomite	428.69	147.8	288.58	278.58
GN-AP-MW-32V	Mid-Lower Knox Dolomite	453.77	243.3	220.92	210.92
GN-AP-MW-33V	Mid-Lower Knox Dolomite	454.29	243.2	221.54	211.54
GN-AP-MW-34V	Mid-Lower Knox Dolomite	447.98	229.8	228.55	218.55
GN-AP-MW-31VR	Mid-Lower Knox Dolomite	438.65	194.4	253.78	243.78
GN-AP-MW-36V	Lower Knox Dolomite	454.37	349.0	124.84	104.84
GN-AP-MW-35V	Lower Knox Dolomite	449.39	353.9	114.98	94.98
GN-AP-MW-37V	Lower Knox Dolomite	453.46	347.7	125.29	105.29

Wells in this table monitor different elevations within the Knox and display vertical gradients consistent with semi-confining conditions within the Knox. Vertical gradients from lower elevations/zones are upward along the south dike - river area.

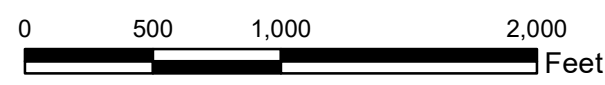


Service Layer Credits: Copyright:© 2013 National Geographic Society, i-cubed

Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Potentiometric Surface Contours (ft NAVD88)
- Approximate Groundwater Flow Direction
- Drainage Ditch

GN-AP-MW-3 Well ID
429.37 Groundwater Elevation

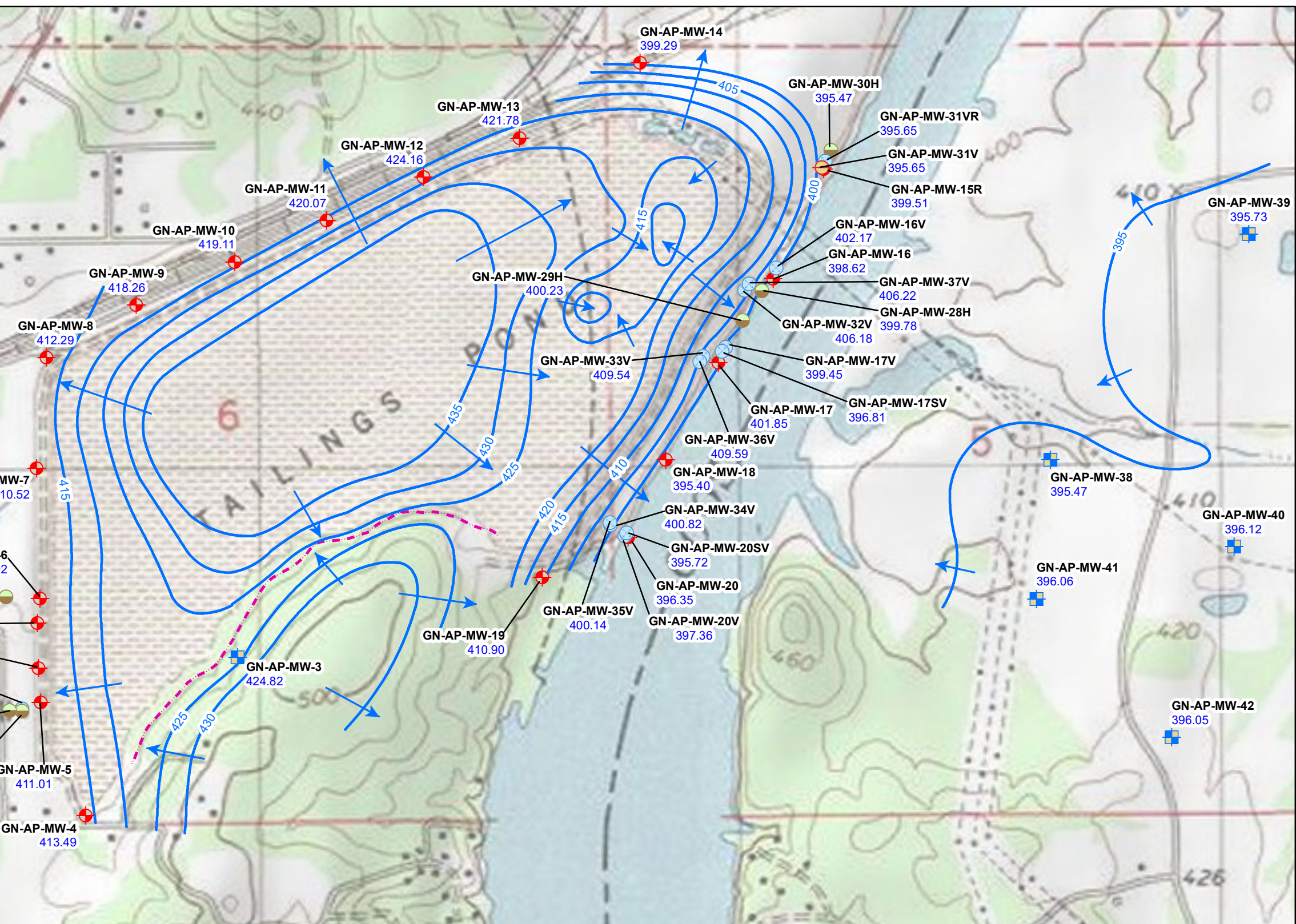


NOTES:
1. NAVD88 indicates North American Vertical Datum of 1988.
2. GN-APM-MW-12* and MW-13* were under artesian conditions at time of measurement.
3. Average daily gage height at USGS Coosa River station at Plant Gaston was 396.26 ft NAVD88 on April 18, 2022.

SCALE	1:9000	DRAWING TITLE POTENTIOMETRIC SURFACE CONTOUR MAP APRIL 18, 2022 PLANT GASTON ASH POND
DATE	10/18/2022	
DRAWN BY	KWR	FIGURE NO FIGURE 6A
CHECKED BY	GBD	
		Southern Company

Well ID	Geologic Unit Screened	Top Of Casing Elevation (ft NAVD)	Well Depth (ft BTOC)	Top Of Screen Elevation (ft NAVD)	Bottom Of Screen Elevation (ft NAVD)
GN-AP-MW-17SV	Upper Knox Dolomite	420.27	26.8	404.26	394.26
GN-AP-MW-20SV	Upper Knox Dolomite	403.06	32.1	382.75	372.75
GN-AP-MW-20V	Mid-Lower Knox Dolomite	404.16	120.0	299.10	289.10
GN-AP-MW-17V	Middle Knox Dolomite	403.61	100.0	314.25	304.25
GN-AP-MW-16V	Mid-Lower Knox Dolomite	404.03	120.0	294.06	284.06
GN-AP-MW-23D	Mid-Lower Knox Dolomite	428.69	147.8	288.58	278.58
GN-AP-MW-32V	Mid-Lower Knox Dolomite	453.77	243.3	220.92	210.92
GN-AP-MW-33V	Mid-Lower Knox Dolomite	454.29	243.2	221.54	211.54
GN-AP-MW-34V	Mid-Lower Knox Dolomite	447.98	229.8	228.55	218.55
GN-AP-MW-31VR	Mid-Lower Knox Dolomite	438.65	194.4	253.78	243.78
GN-AP-MW-36V	Lower Knox Dolomite	454.37	349.0	124.84	104.84
GN-AP-MW-35V	Lower Knox Dolomite	449.39	353.9	114.98	94.98
GN-AP-MW-37V	Lower Knox Dolomite	453.46	347.7	125.29	105.29

Wells in this table monitor different elevations within the Knox and display vertical gradients consistent with semi-confining conditions within the Knox. Vertical gradients from lower elevations/zones are upward along the south dike - river area.



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Legend

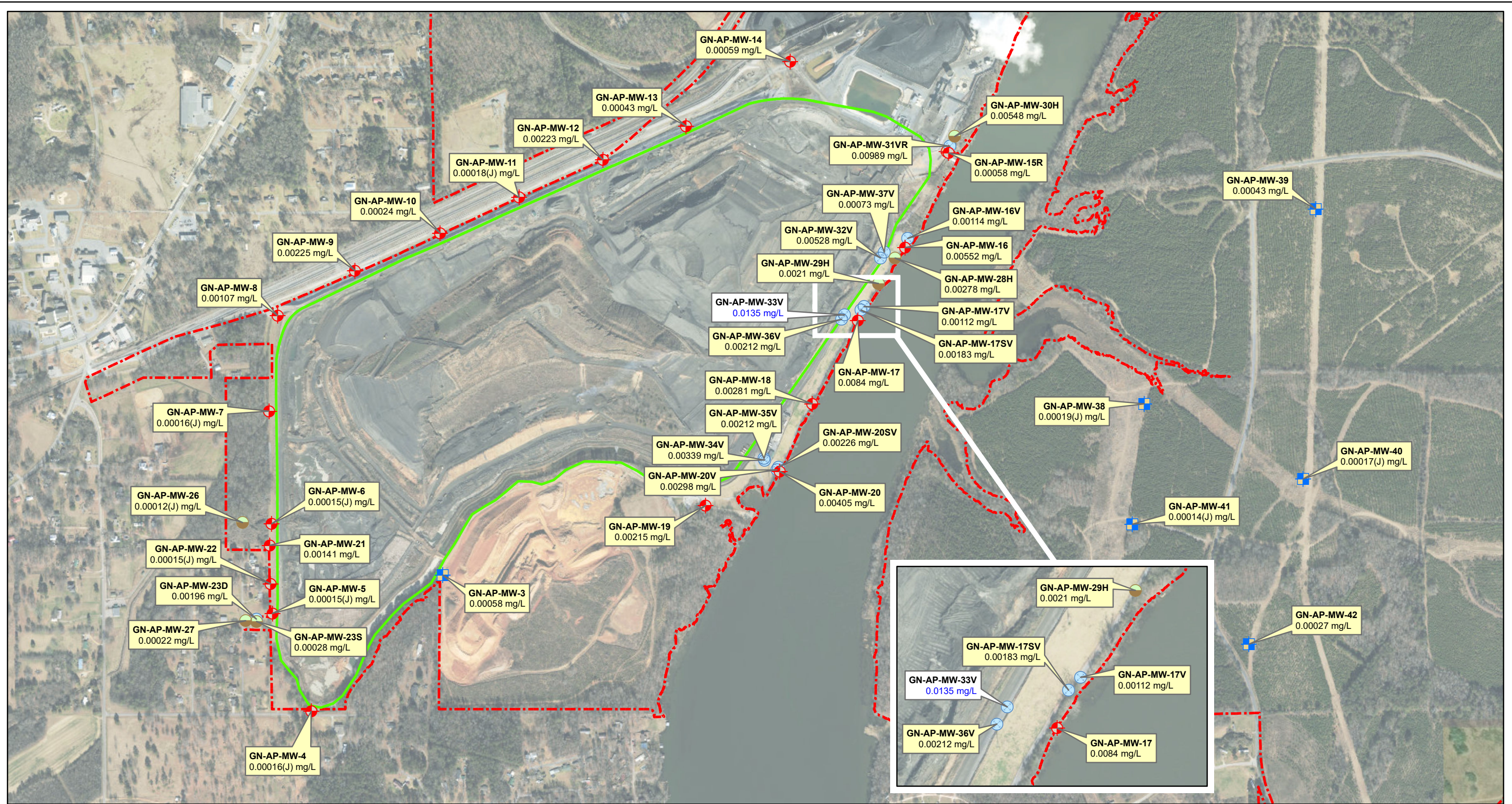
- ◆ Downgradient Monitoring Well
- ◆ Upgradient Monitoring Well
- Horizontal Delineation Well
- ⊗ Vertical Delineation Well
- Piezometer
- Potentiometric Surface Contours (ft NAVD88)
- Approximate Groundwater Flow Direction
- Drainage Ditch
- GN-AP-MW-3 Well ID
- 424.82 Groundwater Elevation



NOTES:
1. NAVD88 indicates North American Vertical Datum of 1988.
2. Average daily gage height at USGS Coosa River station at Plant Gaston was 395.91 ft NAVD88 on August 29, 2022.
3. Enclosed contours within the eastern portion of the ash pond represent active dewatering conditions.

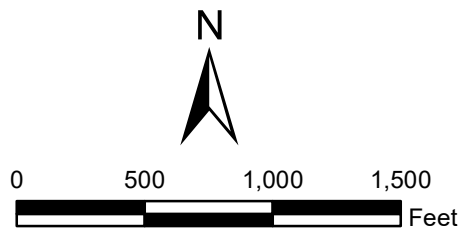
SCALE	1:9000	DRAWING TITLE POTENTIOMETRIC SURFACE CONTOUR MAP AUGUST 29, 2022 PLANT GASTON ASH POND
DATE	11/4/2022	
DRAWN BY	KAR	FIGURE NO FIGURE 6B
CHECKED BY	GBD	





Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Ash Pond Boundary
- Property Boundary (Approximate)

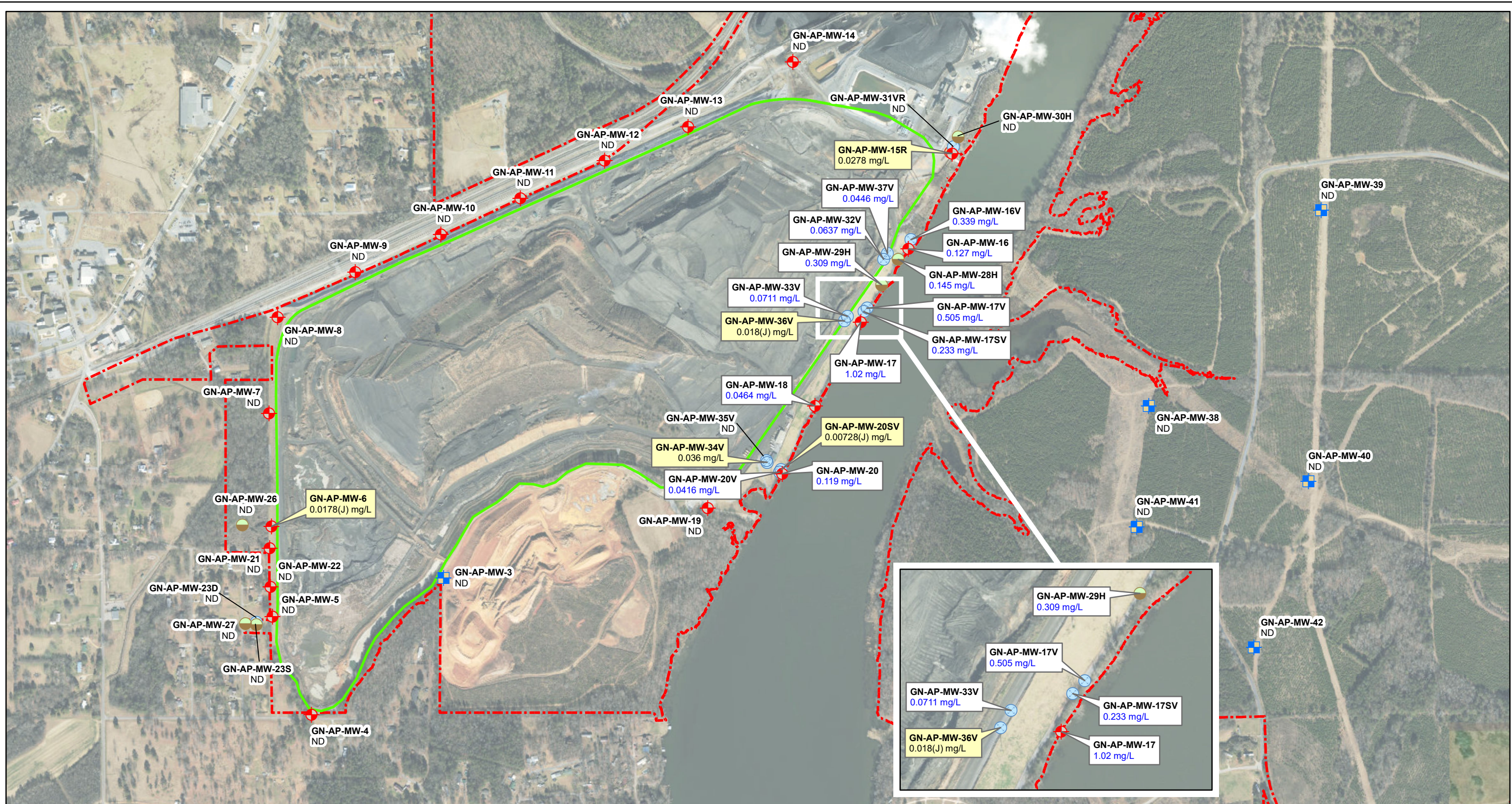


NOTES:

1. Wells were sampled from April 19 to May 3, 2022.
2. Bold concentrations in blue exceeded the Groundwater Protection Standard (GWPS) of 0.01 mg/L.
3. (J) values indicate laboratory-estimated concentrations greater than or equal to the MDL and less than the Reporting Limit (RL).

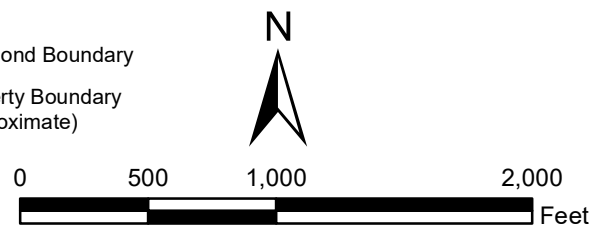
SCALE	1:9000
DATE	7/7/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE	
ARSENIC CONCENTRATION CALL-OUT MAP PLANT GASTON ASH POND	
FIGURE NO	FIGURE 7A



Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Ash Pond Boundary
- Property Boundary (Approximate)



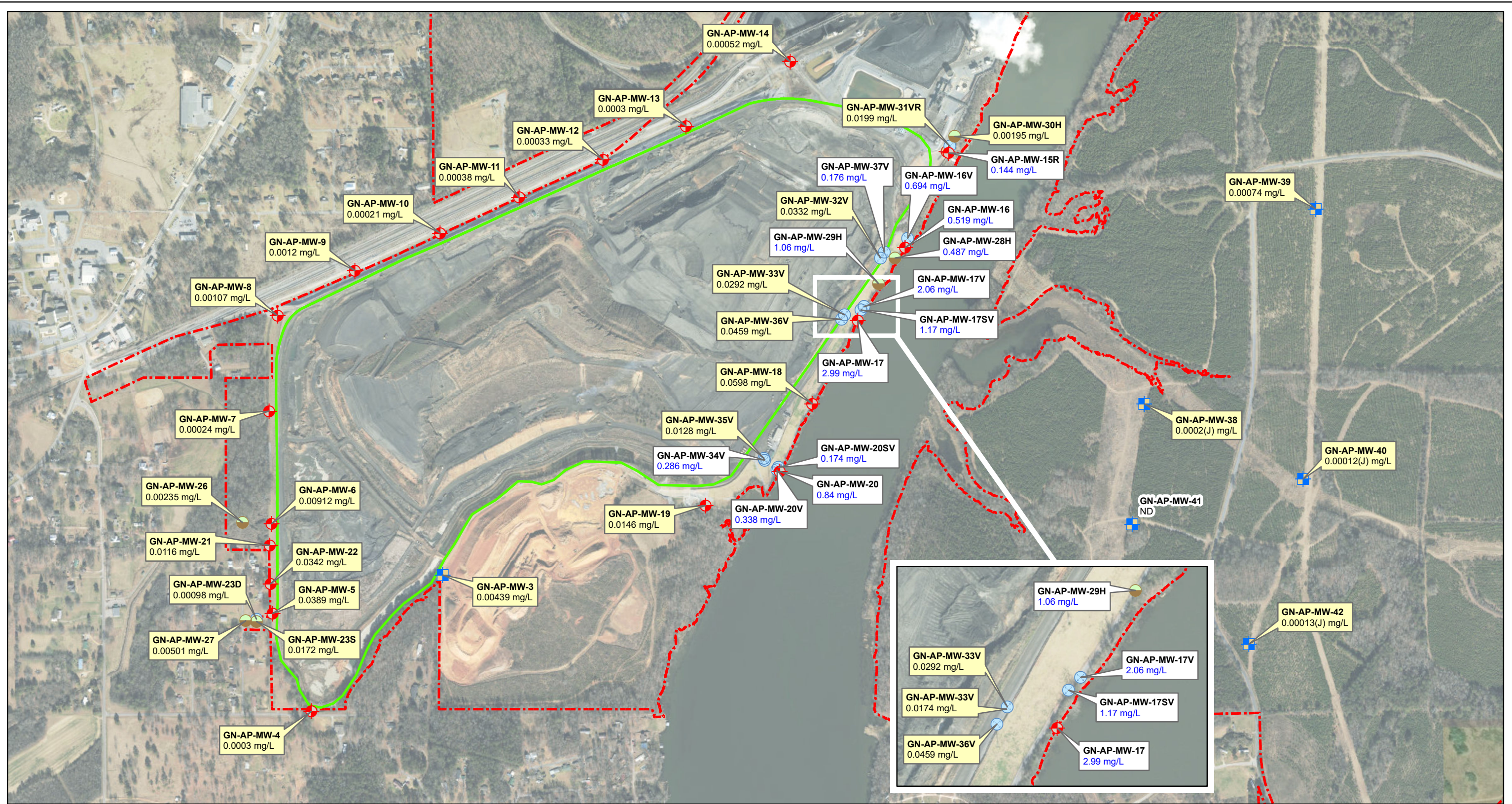
NOTES:

1. Wells were sampled from April 19 to May 3, 2022.
2. Bold concentrations in blue exceed the Groundwater Protection Standard of 0.04 mg/L.
3. ND indicates concentrations less than the laboratory Method Detection Limit (MDL) of 0.007105 mg/L.
4. J values indicate laboratory-estimated concentrations greater than or equal to the MDL and less than the Reporting Limit (RL).

SCALE	1:9000
DATE	7/7/2022
DRAWN BY	KWR
CHECKED BY	GDB

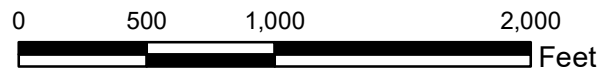
DRAWING TITLE	
LITHIUM CONCENTRATION CALL-OUT MAP PLANT GASTON ASH POND	
FIGURE NO	FIGURE 7B





Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Ash Pond Boundary
- Property Boundary (Approximate)

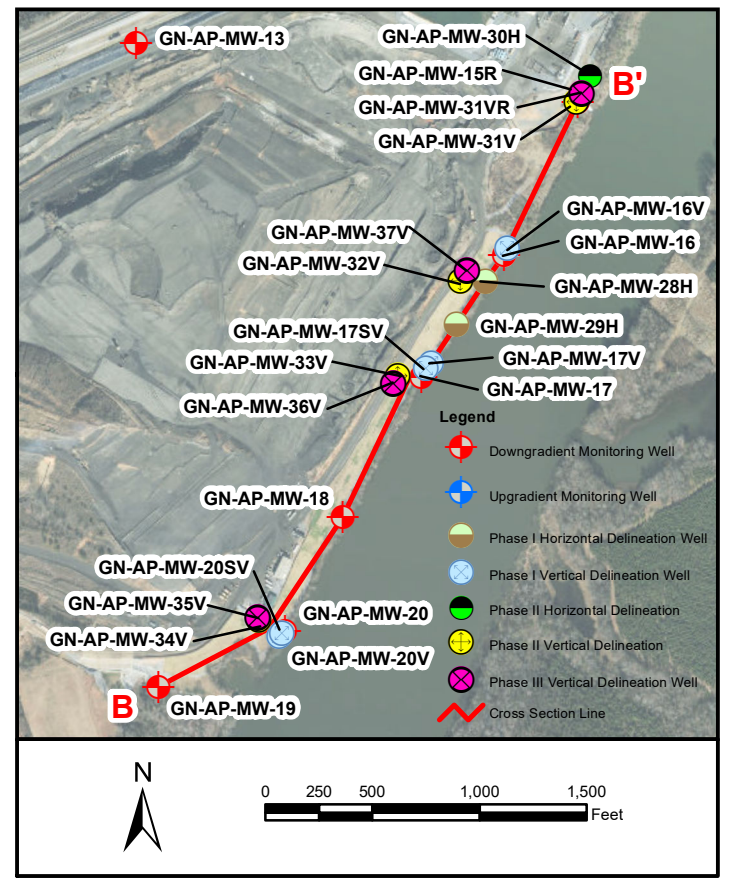
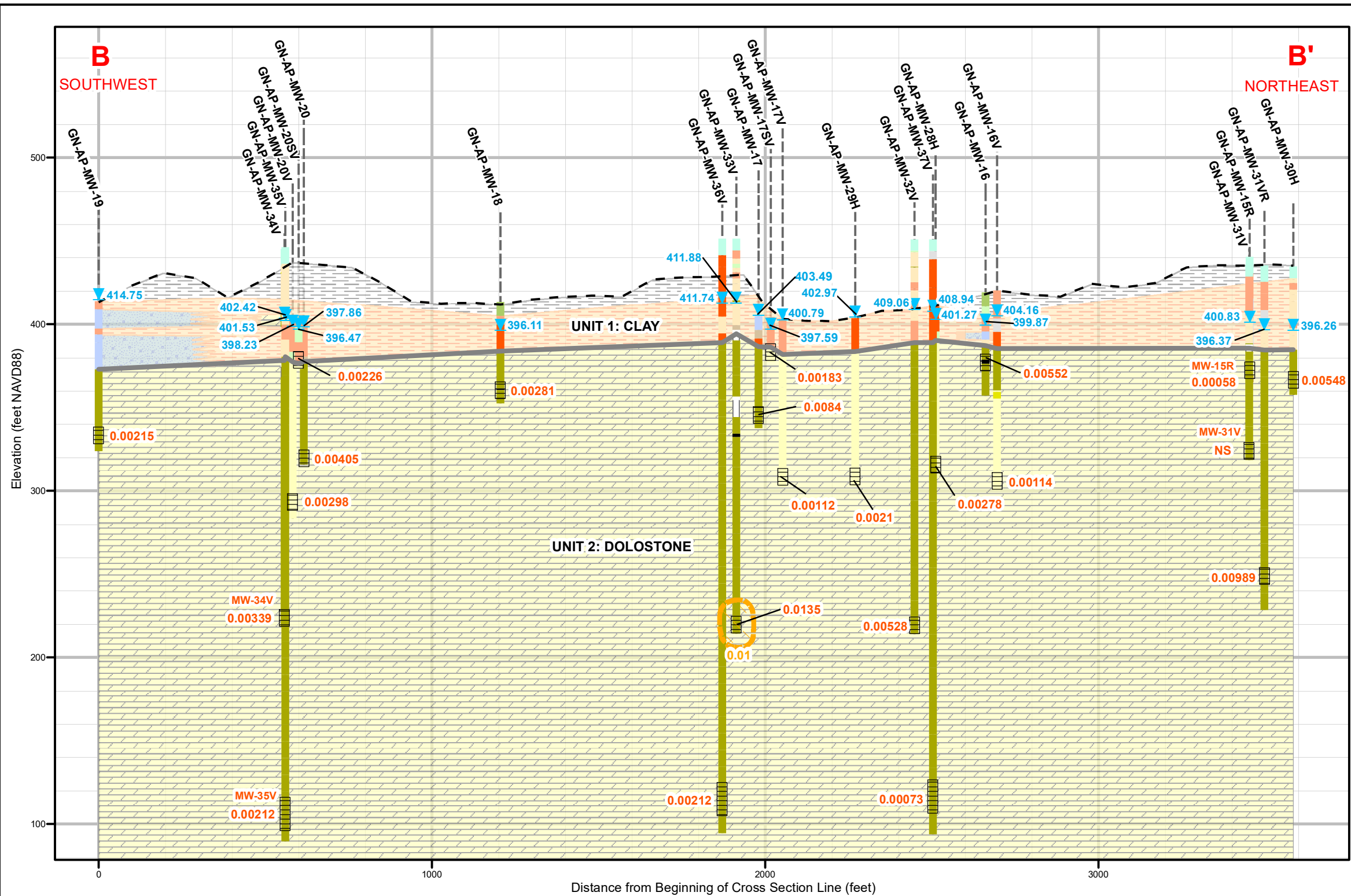


NOTES:

1. Wells were sampled from April 19 to May 3, 2022.
2. Bold concentrations in blue exceeded the Groundwater Protection Standard of 0.1 mg/L.
3. ND indicates concentration less than the laboratory Method Detection Limit (MDL) of 0.000068 mg/L.
4. J values indicate laboratory-estimated concentrations greater than or equal to the MDL and less than the Reporting Limit (RL).

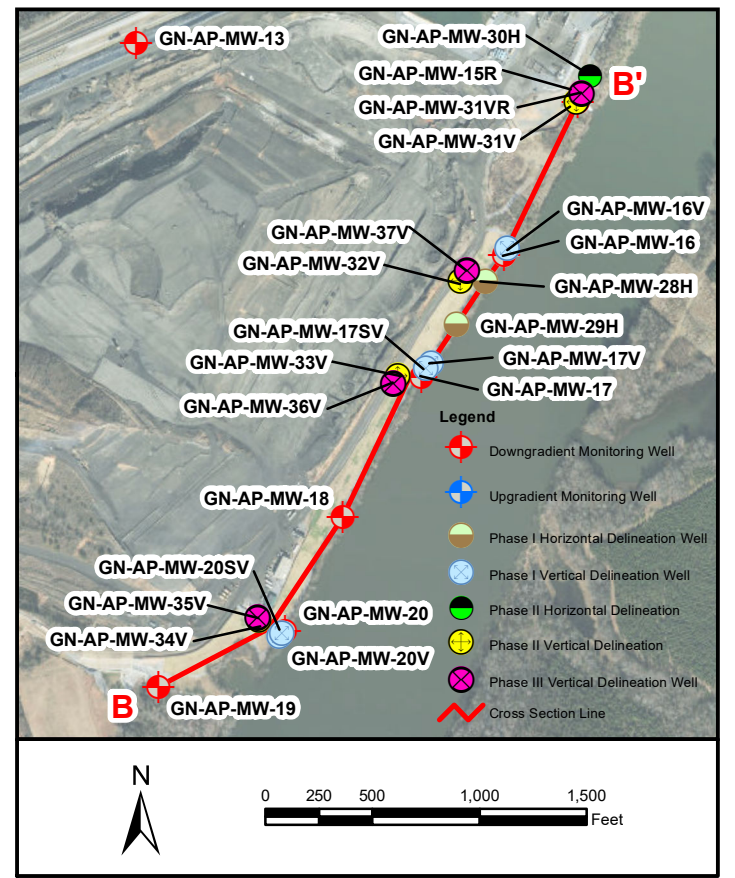
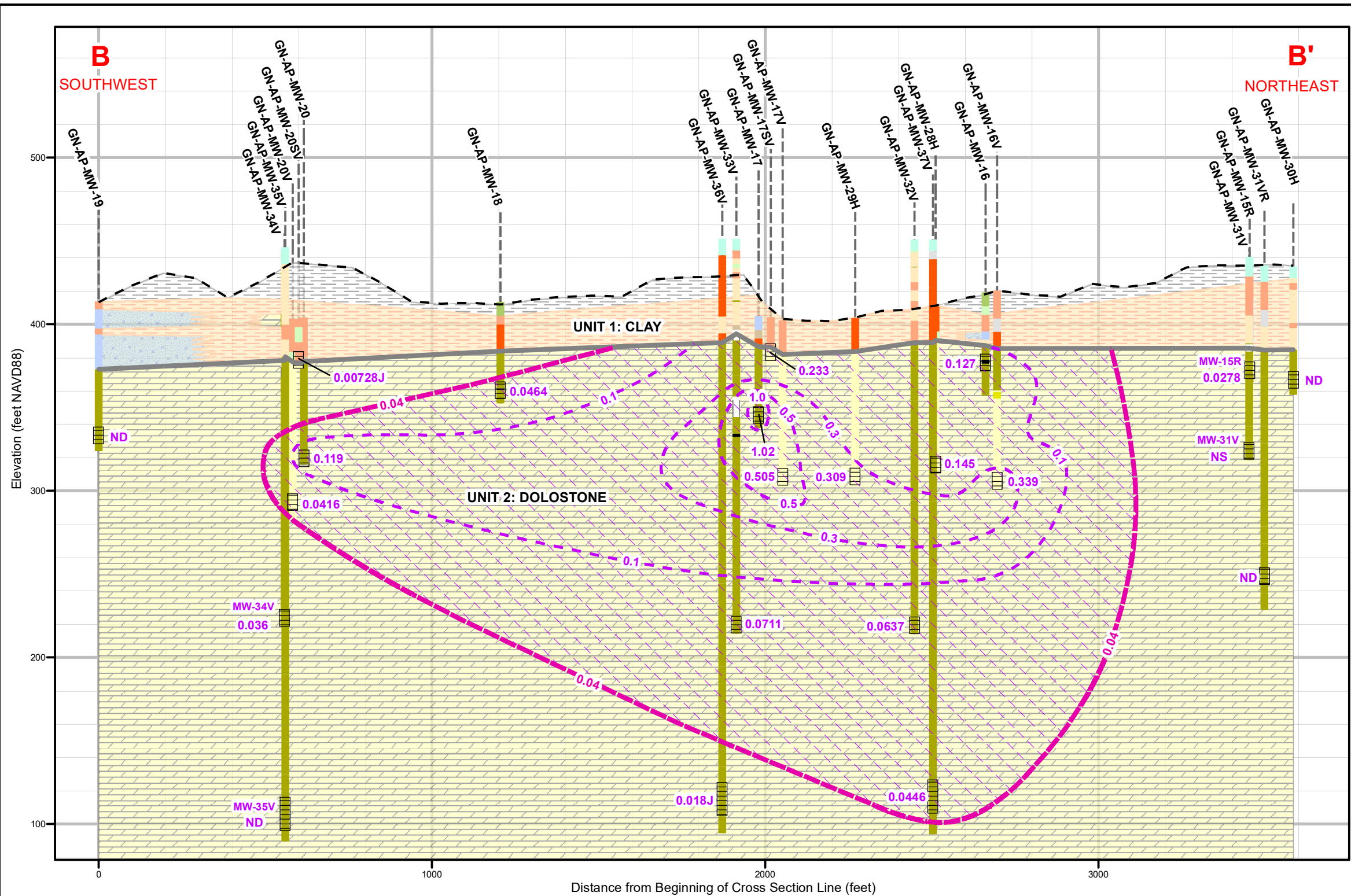
SCALE	1:9000
DATE	7/7/2022
DRAWN BY	KWR
CHECKED BY	KWR

DRAWING TITLE	
MOLYBDENUM CONCENTRATION CALL-OUT MAP PLANT GASTON ASH POND	
FIGURE NO	FIGURE 7C



- Notes:
1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Groundwater elevations were measured on April 18, 2022.
 4. Water samples were collected between April 19 and May 2, 2022.
 5. mg/L indicates milligrams per liter.
 6. NS indicates not sampled.
 7. GWPS indicates groundwater protection standard.
 8. Vertical exaggeration = 5x.

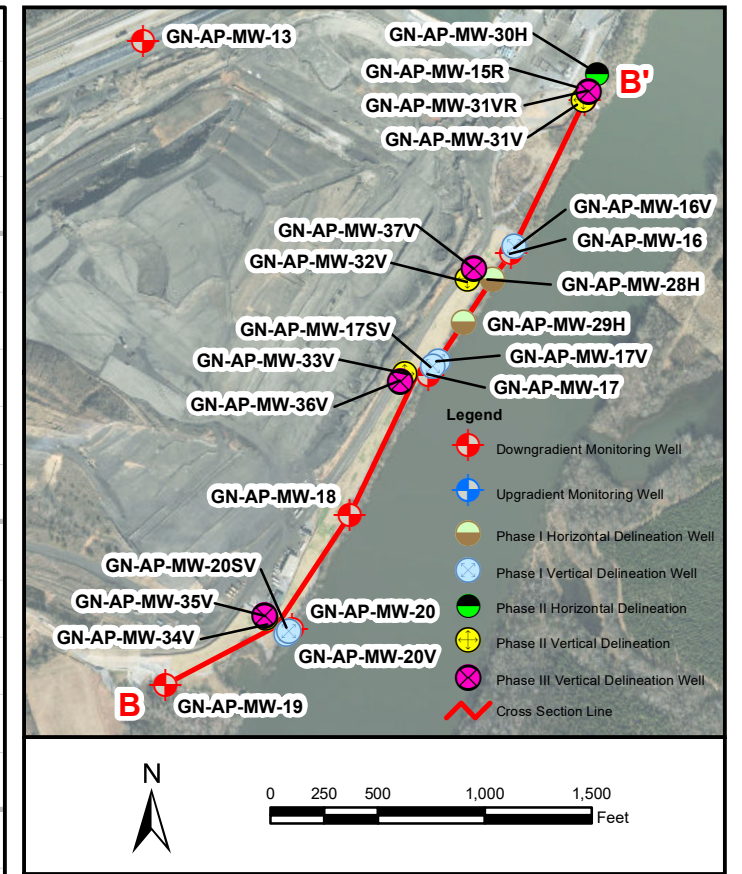
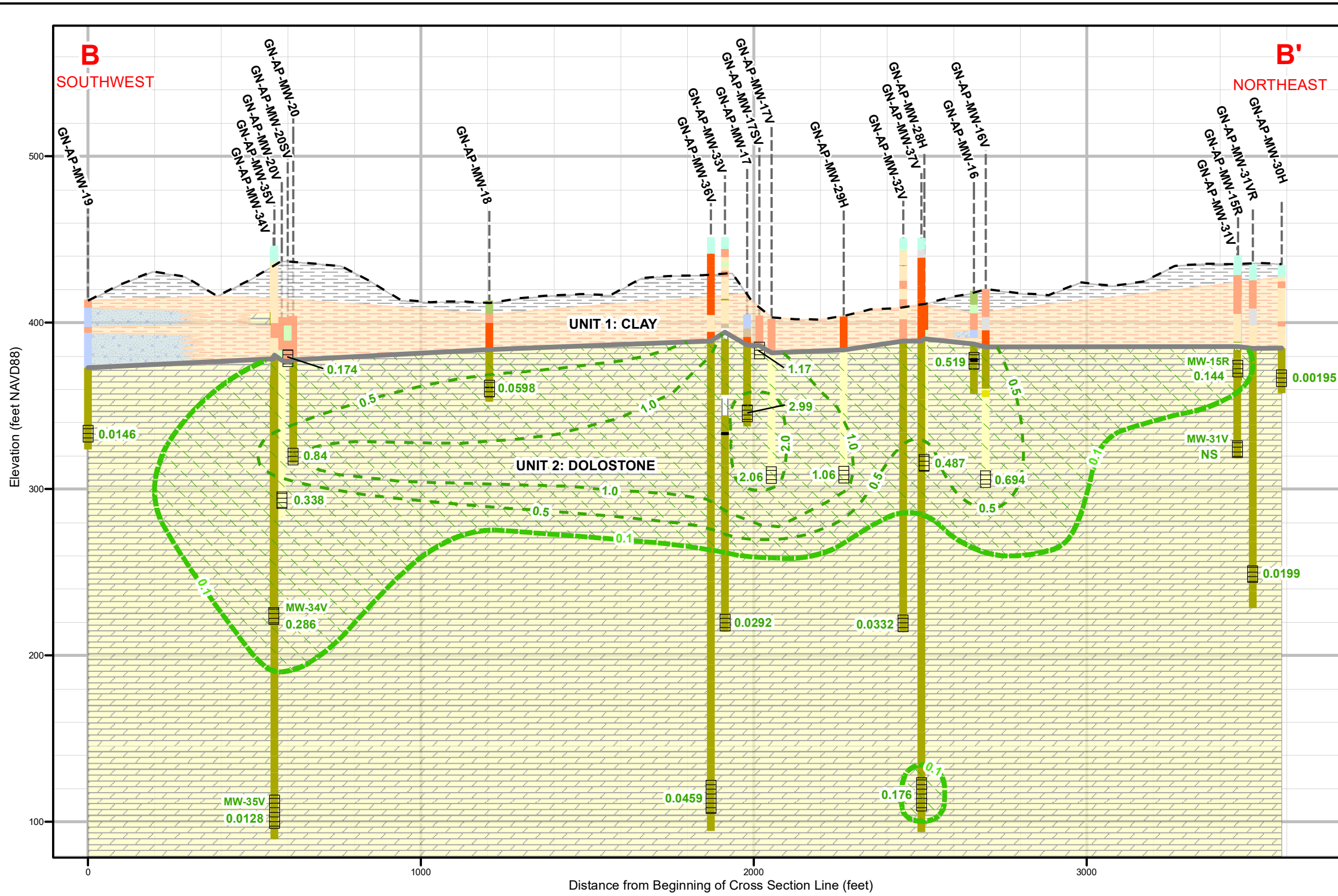
Legend 	SCALE	DRAWING TITLE	
	AS SHOWN	ARSENIC CONCENTRATIONS ALONG GEOLOGIC CROSS SECTION B - B' PLANT GASTON ASH POND	
	DATE		
	DRAWN BY	KWR	FIGURE NO
CHECKED BY	GBD		



- Notes:
1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Groundwater elevations were measured on April 18, 2022.
 4. Water samples were collected between April 19 and May 2, 2022.
 5. mg/L indicates milligrams per liter.
 6. J indicates a laboratory estimated concentration between the analytical method detection limit and the laboratory reporting limit.
 7. ND indicates not detected above the laboratory method detection limit.
 8. NS indicates not sampled.
 9. GWPS indicates groundwater protection standard.
 10. Vertical exaggeration = 5x.

Legend		Borehole Description		Geologic Units	
	Well Location		No Recovery		Fill
	Ground Surface Elevation		Hydroexcavation		Clays
	Screen Interval		Fill		Bedrock Residuum Gravel with Clay
	Lithium Isoconcentration Contour		Fat Clays		Dolostone
	Lithium GWPS Isoconcentration Contour		Lean Clays		Discontinuity
	Area Exceeding GWPS for Lithium		Silty Clay		Unit Boundary
	0.119 Lithium concentration (mg/L)		Rock Flour or Gypsum		Clayey Gravel
	0.04 Lithium GWPS (mg/L)		Topsoil		Sandstone
			Clayey Sand		Limestone
			Dolostone		Partially Weathered Rock
			Discontinuity		Dolostone

SCALE	AS SHOWN	DRAWING TITLE
DATE	7/28/2022	
DRAWN BY	KWR	FIGURE NO
CHECKED BY	GBD	
		FIGURE 8B
		Southern Company



- Notes:
1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Groundwater elevations were measured on April 18, 2022.
 4. Water samples were collected between April 19 and May 2, 2022.
 5. mg/L indicates milligrams per liter.
 6. NS indicates not sampled.
 7. GWPS indicates groundwater protection standard.
 8. Vertical exaggeration = 5x.

Legend		Borehole Description		Geologic Units	
	Well Location		No Recovery		Fill
	Ground Surface Elevation		Hydroexcavation		Clays
	Screen Interval		Fill		Bedrock Residuum
	Molybdenum Isoconcentration Contour		Fat Clays		Gravel with Clay
	Molybdenum GWPS Isoconcentration Contour		Lean Clays		Dolostone
	Area Exceeding GWPS for Molybdenum		Silty Clay		Discontinuity
	0.288 Molybdenum concentration (mg/L)		Rock Flour or Gypsum		Unit Boundary
	0.1 Molybdenum GWPS (mg/L)		Topsoil		
			Clayey Gravel		
			Sandstone		
			Limestone		
			Partially Weathered Rock		
			Dolostone		
			Discontinuity		

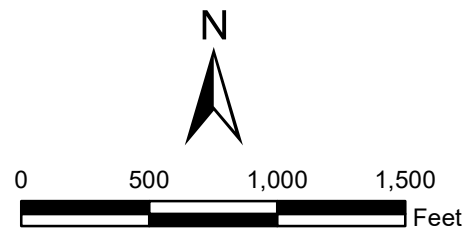
SCALE	AS SHOWN
DATE	7/28/2022
DRAWN BY	KWR
CHECKED BY	GBD

DRAWING TITLE	
MOLYBDENUM CONCENTRATIONS ALONG GEOLOGIC CROSS SECTION B - B' PLANT GASTON ASH POND	
FIGURE NO	FIGURE 8C
Southern Company	



Legend

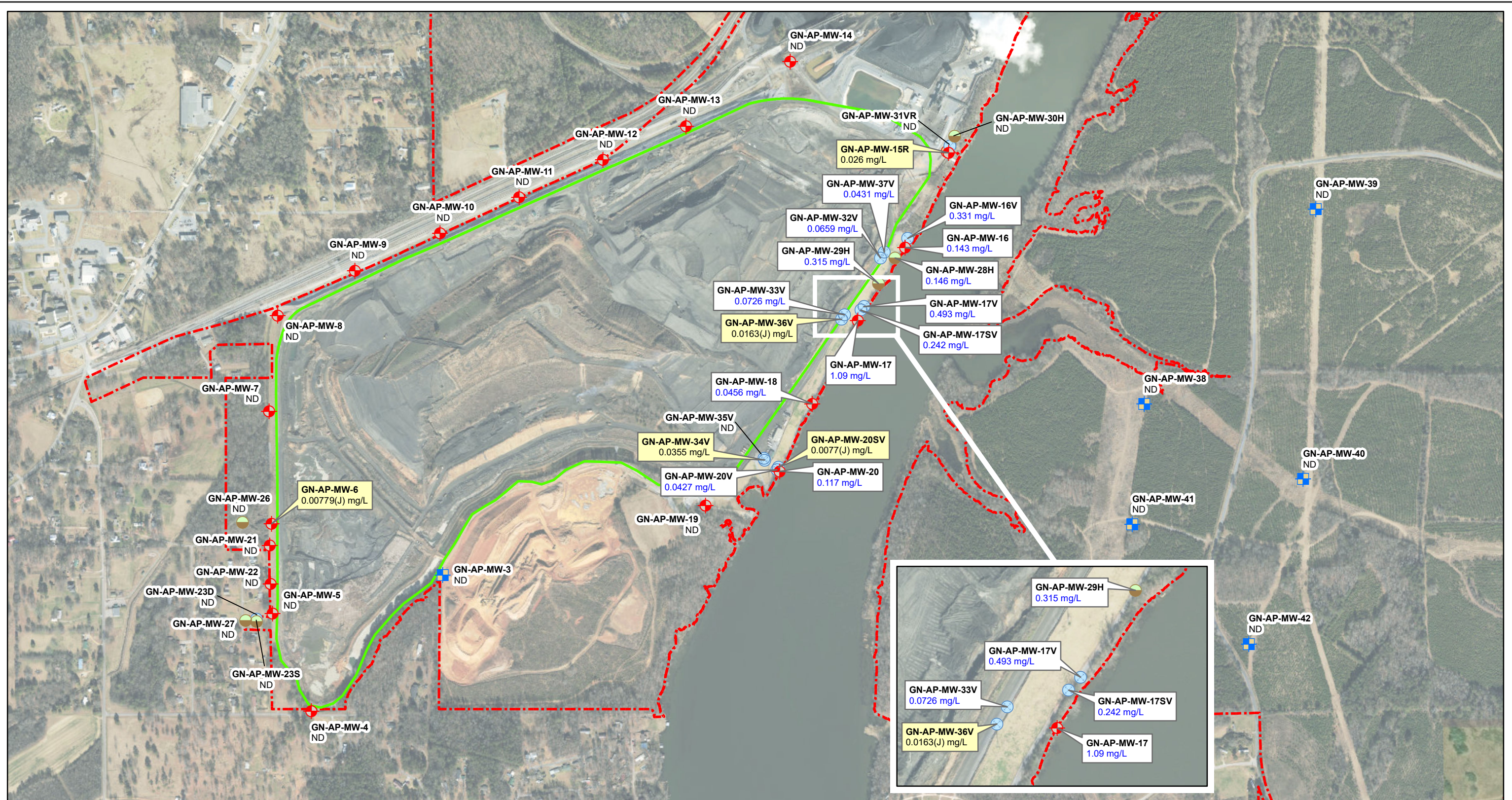
- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Ash Pond Boundary
- Property Boundary (Approximate)



NOTES:

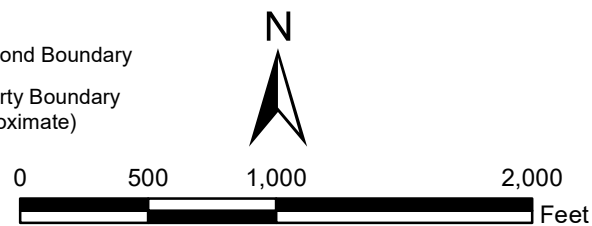
1. Wells were sampled from August 29 to September 7, 2022.
2. Bold concentrations in blue exceed the Groundwater Protection Standard (GWPS) of 0.01 mg/L.
3. J values indicate concentrations greater than or equal to the laboratory MDL and less than the Reporting Limit (RL).
4. ND indicates a concentration value less than the laboratory Method Detection Limit (MDL) of 0.000068 mg/L.

SCALE	1:9000	DRAWING TITLE	
DATE	11/11/2022	ARSENIC CONCENTRATION CALL-OUT MAP PLANT GASTON ASH POND	
DRAWN BY	KWR		
CHECKED BY	GBD	FIGURE NO	FIGURE 9A
		Southern Company	



Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Ash Pond Boundary
- Property Boundary (Approximate)



NOTES:

1. Wells were sampled from August 29 to September 7, 2022.
2. Bold concentrations in blue exceed the Groundwater Protection Standard (GWPS) of 0.04 mg/L.
3. J values indicate laboratory-estimated concentrations greater than or equal to the MDL and less than the Reporting Limit (RL).
4. ND indicates concentrations less than the laboratory Method Detection Limit (MDL) of 0.007105 mg/L.

SCALE 1:9000

DATE 11/11/2022

DRAWN BY KWR

CHECKED BY GDB

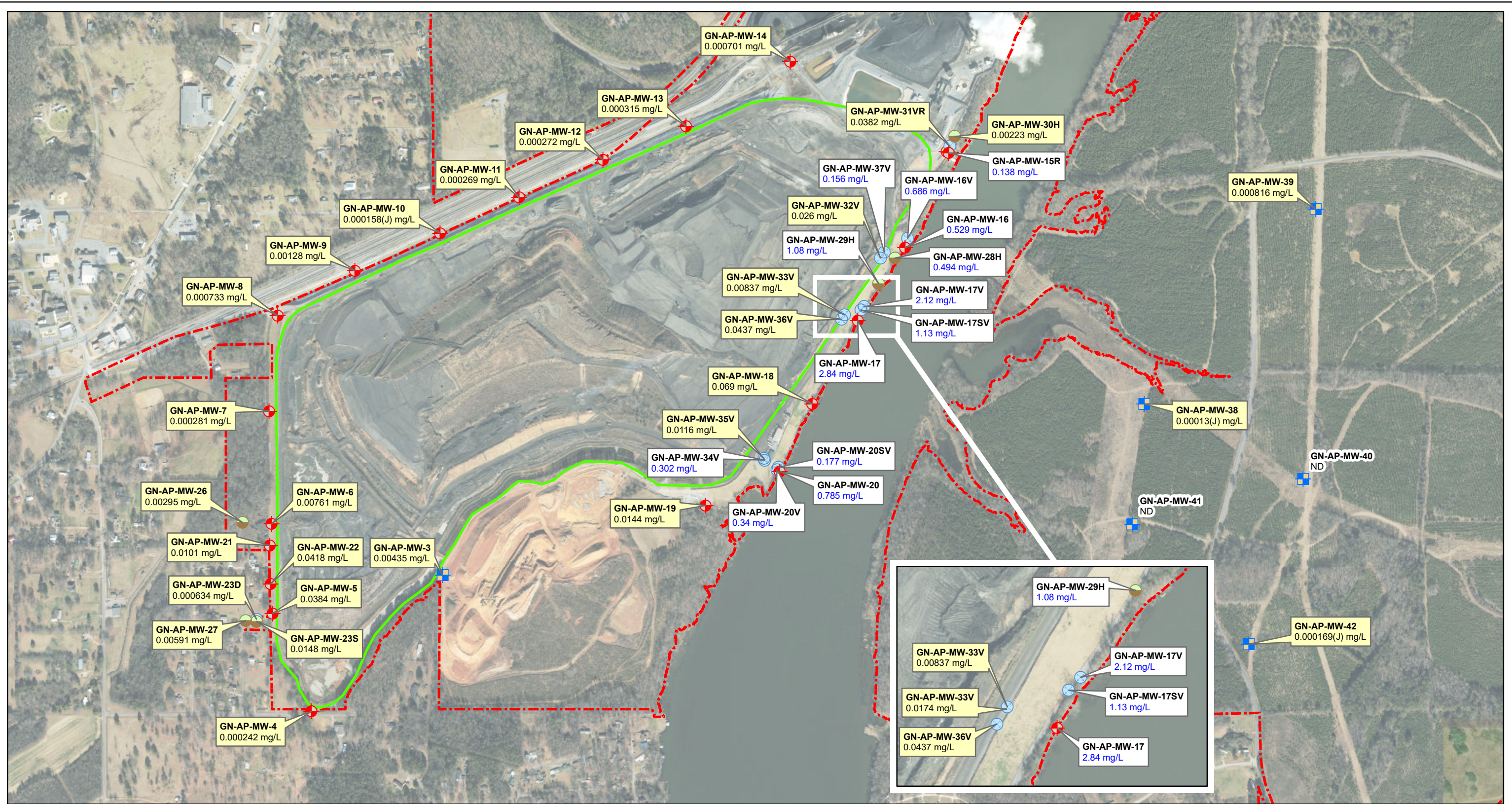
DRAWING TITLE

**LITHIUM CONCENTRATION CALL-OUT MAP
PLANT GASTON ASH POND**

FIGURE NO

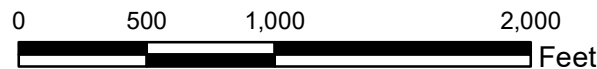
FIGURE 9B





Legend

- Downgradient Monitoring Well
- Upgradient Monitoring Well
- Horizontal Delineation Well
- Vertical Delineation Well
- Piezometer
- Ash Pond Boundary
- Property Boundary (Approximate)

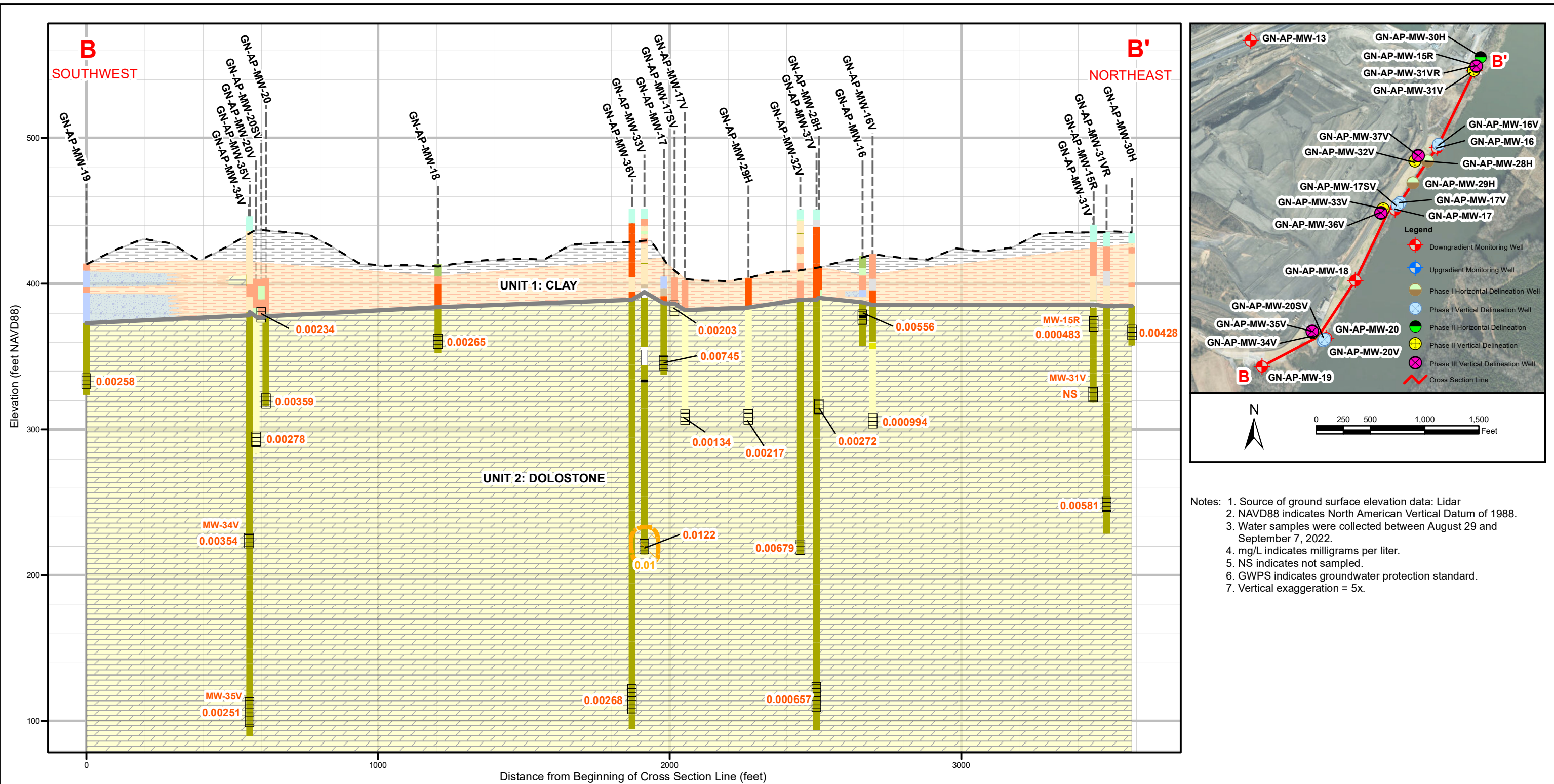


NOTES:

1. Wells were sampled from August 29 to September 7, 2022.
2. Bold concentrations in blue exceeded the Groundwater Protection Standard of 0.1 mg/L.
3. J values indicate laboratory-estimated concentrations greater than or equal to the MDL and less than the Reporting Limit (RL).
4. ND indicates concentration less than the laboratory Method Detection Limit (MDL) of 0.000068 mg/L.

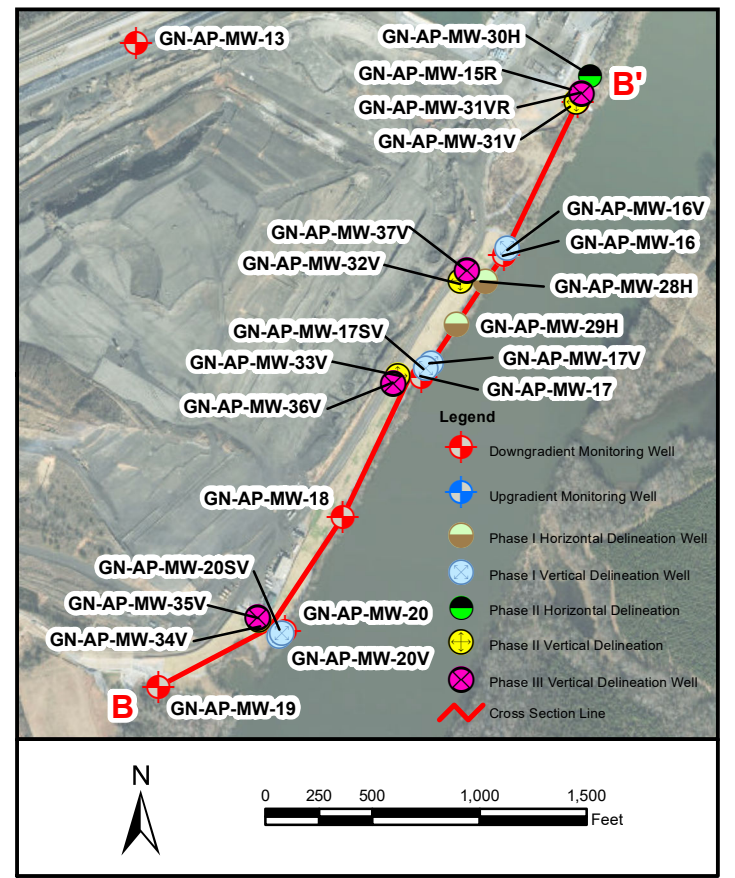
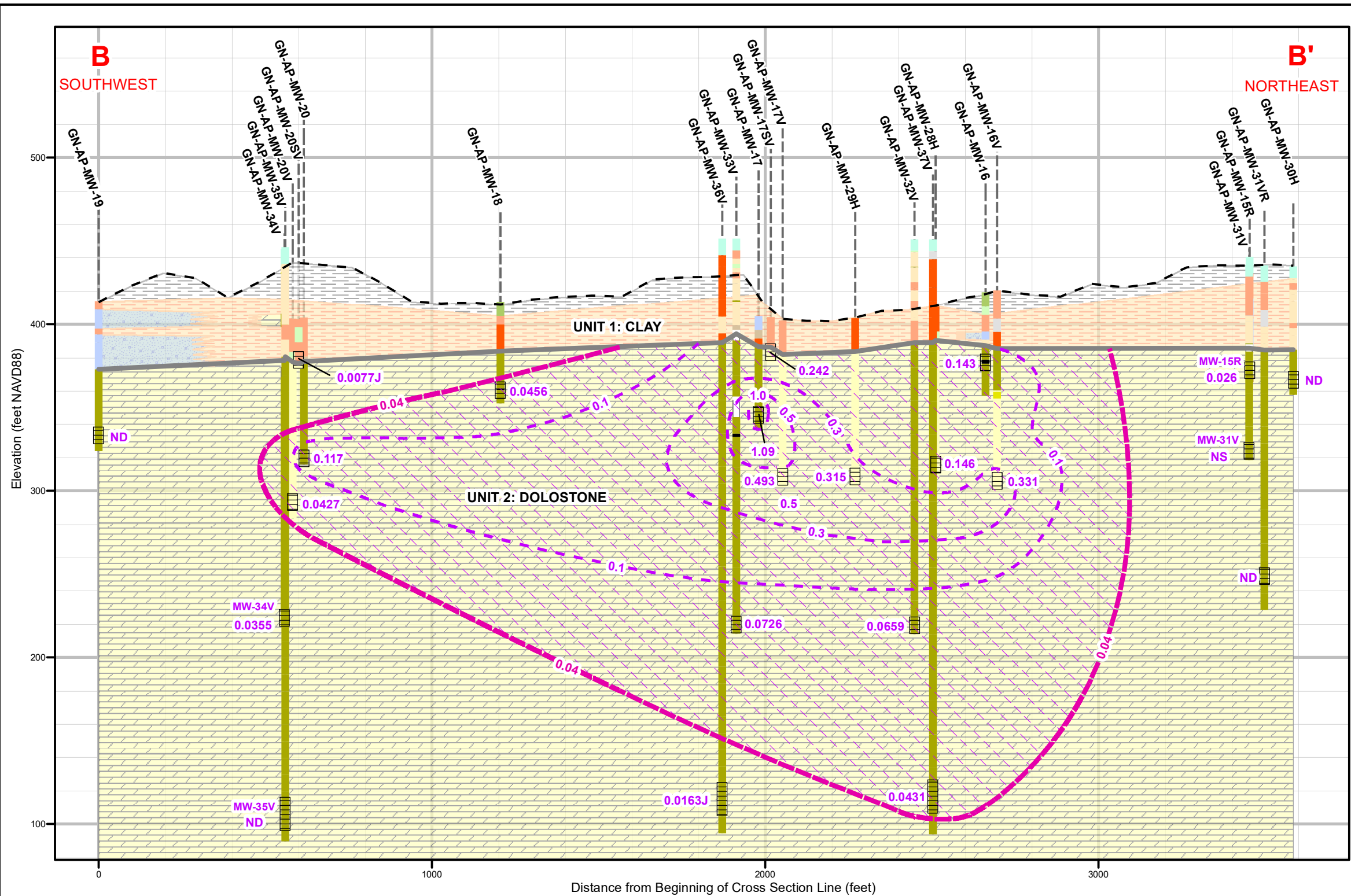
SCALE	1:9000
DATE	11/11/2022
DRAWN BY	KWR
CHECKED BY	KWR

DRAWING TITLE	
MOLYBDENUM CONCENTRATION CALL-OUT MAP PLANT GASTON ASH POND	
FIGURE NO	FIGURE 9C



- Notes:
1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Water samples were collected between August 29 and September 7, 2022.
 4. mg/L indicates milligrams per liter.
 5. NS indicates not sampled.
 6. GWPS indicates groundwater protection standard.
 7. Vertical exaggeration = 5x.

Legend Well Location Ground Surface Elevation Screen Interval Arsenic GWPS Isoconcentration Contour Area Exceeding GWPS for Arsenic 0.01 Arsenic GWPS (mg/L) 0.00278 Arsenic concentration (mg/L)	Borehole Description No Recovery Hydroexcavation Fill Rock Flour or Gypsum Topsoil Fat Clays Lean Clays Silty Clay Clayey Sand Clayey Gravel Sandstone Limestone Partially Weathered Rock Dolostone Discontinuity	Geologic Units Fill Clays Bedrock Residuum Gravel with Clay Dolostone Discontinuity Unit Boundary	SCALE AS SHOWN	DRAWING TITLE ARSENIC CONCENTRATIONS ALONG GEOLOGIC CROSS SECTION B - B' PLANT GASTON ASH POND	
			DATE 11/11/2022	FIGURE NO FIGURE 10A	
			DRAWN BY KWR	Southern Company	
			CHECKED BY GBD		

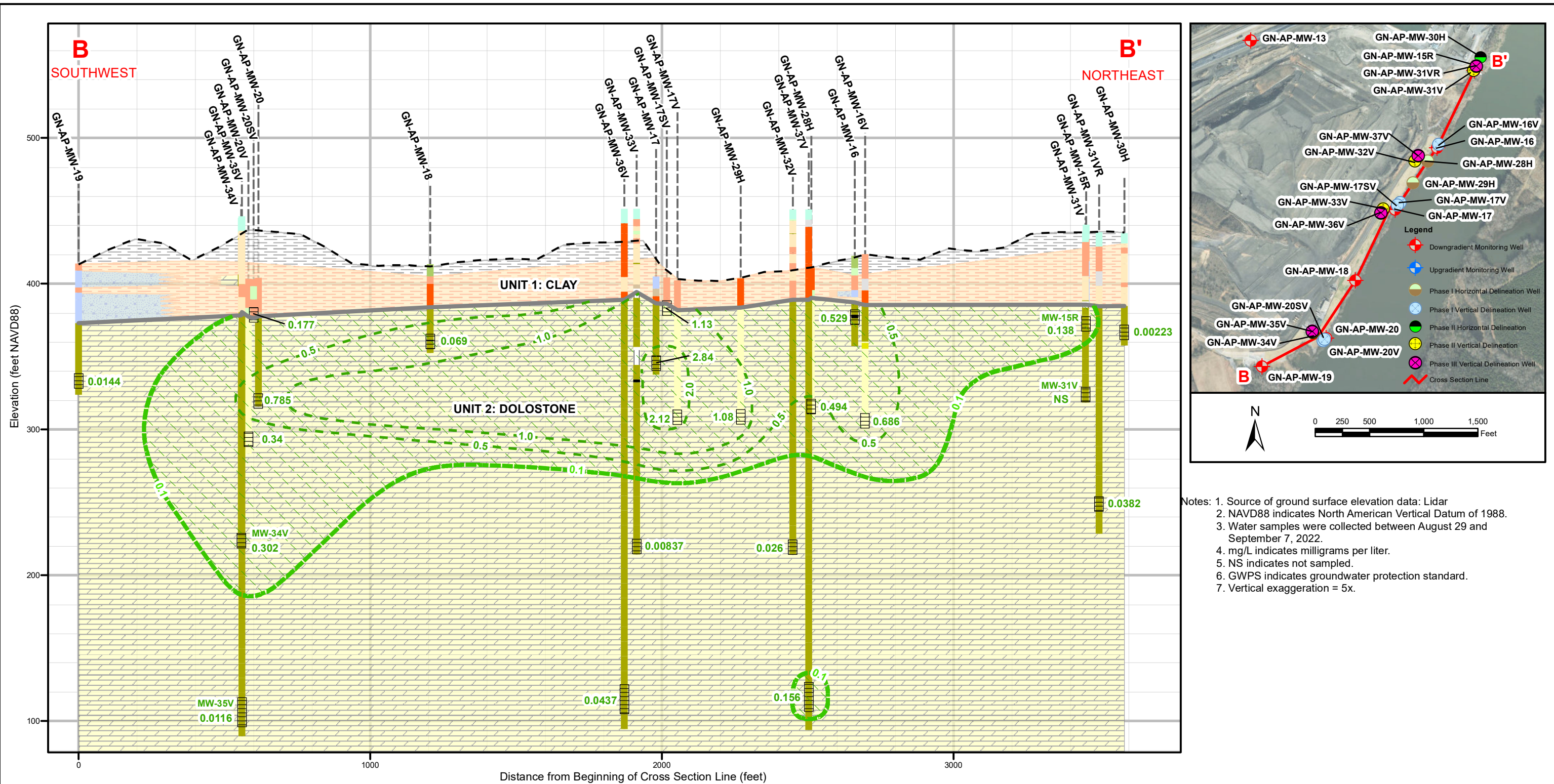


- Notes:
1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Water samples were collected between August 29 and September 7, 2022.
 4. mg/L indicates milligrams per liter.
 5. J indicates a laboratory estimated concentration between the analytical method detection limit and the laboratory reporting limit.
 6. ND indicates not detected above the laboratory method detection limit.
 7. NS indicates not sampled.
 8. GWPS indicates groundwater protection standard.
 9. Vertical exaggeration = 5x.

Legend		Borehole Description		Geologic Units	
	Well Location		No Recovery		Fill
	Ground Surface Elevation		Hydroexcavation		Clays
	Screen Interval		Fill		Bedrock Residuum Gravel with Clay
	Lithium Isoconcentration Contour		Fat Clays		Dolostone
	Lithium GWPS Isoconcentration Contour		Lean Clays		Discontinuity
	Area Exceeding GWPS for Lithium		Silty Clay		Unit Boundary
	0.117 Lithium concentration (mg/L)		Rock Flour or Gypsum		
	0.04 Lithium GWPS (mg/L)		Topsoil		
			Clayey Gravel		
			Sandstone		
			Limestone		
			Partially Weathered Rock		
			Dolostone		
			Discontinuity		

SCALE	AS SHOWN	DRAWING TITLE
DATE	11/11/2022	
DRAWN BY	KWR	
CHECKED BY	GBD	FIGURE NO
		FIGURE 10B





- Notes:
1. Source of ground surface elevation data: Lidar
 2. NAVD88 indicates North American Vertical Datum of 1988.
 3. Water samples were collected between August 29 and September 7, 2022.
 4. mg/L indicates milligrams per liter.
 5. NS indicates not sampled.
 6. GWPS indicates groundwater protection standard.
 7. Vertical exaggeration = 5x.

Legend Well Location Ground Surface Elevation Screen Interval Molybdenum Isoconcentration Contour Molybdenum GWPS Isoconcentration Contour Area Exceeding GWPS for Molybdenum 0.302 Molybdenum concentration (mg/L) 0.1 Molybdenum GWPS (mg/L)	Borehole Description No Recovery Hydroexcavation Fill Rock Flour or Gypsum Topsoil Fat Clays Lean Clays Silty Clay Silt Clayey Sand	Geologic Units Fill Clays Bedrock Residuum Gravel with Clay Dolostone Discontinuity Unit Boundary Clayey Gravel Sandstone Limestone Partially Weathered Rock Dolostone Discontinuity	SCALE AS SHOWN	DRAWING TITLE MOLYBDENUM CONCENTRATIONS ALONG GEOLOGIC CROSS SECTION B - B' PLANT GASTON ASH POND		
			DATE 11/11/2022	FIGURE NO FIGURE 10C		Southern Company
			DRAWN BY KWR			
			CHECKED BY GBD			

Appendix A



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-3										
		03/28/2016	05/17/2016	07/11/2016	09/14/2016	11/16/2016	03/01/2017	05/23/2017	06/19/2017	08/15/2017	01/10/2018	04/19/2018
Appendix III												
Boron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02
Calcium	mg/L	31.6	29.6	30	30.6	30.4	<0.1	30.1	29.9	28.1	--	31.2
Chloride	mg/L	2.48	1.9	1.93	1.77	1.98	2.3	2.2	1.7 J	2.1	--	1.7 J
Fluoride	mg/L	0.032 J	0.068 J	0.057 J	0.017 J	<0.01	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
pH_Field	SU	7.82	7.79	7.96	7.79	7.72	7.68	7.69	7.67	7.73	7.84	7.69
Sulfate	mg/L	7.57	5.12	4.63	3.19	3.71	3.4 J	2 J	2.5 J	2.4 J	--	1.9 J
TDS	mg/L	147	140	146	141	157	148	141	126	146	--	143
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.000613 J	<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	--	<0.001	<0.001
Barium	mg/L	0.0116	0.00866 J	0.00969 J	0.00864 J	0.00917 J	0.00869 J	0.00658 J	0.00672 J	--	0.00645 J	0.00625 J
Beryllium	mg/L	<0.0006	<0.0006	<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	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	1 U	0.222 U	0.118 U	0.265 U	0.295 U	0.0981 U	--	0.194 U	--	0.753	0.171 U
Lead	mg/L	0.00128 J	<0.001	<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	--	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.00652 J	0.00651 J	0.00691 J	0.0074 J	0.00663 J	0.00856 J	0.00689 J	0.00687 J	--	0.00806 J	0.00659 J

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-3									GN-AP-MW-38	
		10/03/2018	04/02/2019	09/17/2019	02/19/2020	07/27/2020	04/05/2021	09/27/2021	05/03/2022	08/30/2022	04/12/2021	09/21/2021
Appendix III												
Boron	mg/L	<0.02	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	32.3	31.6	31.7	32.3	31	30.6	30.7	29.9	30.4	23.2	22.3
Chloride	mg/L	1.7 J	1.65	1.93	1.81	1.83	1.91	1.9	1.67	1.64	5.88	6.09
Fluoride	mg/L	<0.032	<0.05	<0.05	<0.05	<0.06	0.0801 J	0.0805 J	<0.06	<0.06	<0.06	0.0969 J
pH_Field	SU	7.7	7.8	7.8	7.8	7.69	7.67	7.81	7.72	9.22	7.99	7.85
Sulfate	mg/L	2.7 J	3.24	4.51	3.73	4.11	3.2	2.76	2.16	2.73	12.6	5.49
TDS	mg/L	148	140	145	149	154	136	132	141	151	129	115
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.000507	<0.000508
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.000829	0.000731	0.000577	0.00063	0.000283	0.000126 J
Barium	mg/L	0.00708 J	0.00625 J	0.00834 J	0.00697 J	0.0192	0.0222	0.021	0.0222	0.0177	0.008	0.0101
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<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	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.00065 J	0.000499 J	0.000438 J	0.000458 J	0.000599 J	0.000792 J
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	9.61e-005 J	8.24e-005 J
Combined Radium	pCi/L	0.433 U	-0.0631 U	0.0186 U	0.418 U	-0.0654 U	0.143 U	0.348 U	0.822 U	0.842 U	0.369 U	0.655 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	0.000127 J	0.000124 J	0.000119 J
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105
Mercury	mg/L	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00669 J	0.00766 J	0.00644 J	0.00575 J	0.0058 J	0.00538	0.00469	0.00439	0.00472	0.000402	0.000172 J

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-38		GN-AP-MW-39				GN-AP-MW-40				GN-AP-
		04/19/2022	08/29/2022	04/12/2021	09/21/2021	04/19/2022	08/29/2022	04/12/2021	09/21/2021	04/19/2022	08/29/2022	04/12/2021
Appendix III												
Boron	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.0342 J	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	23.3	23.1	35	36.1	36.2	36.4	22.9	21.6	21.6	20.5	26.6
Chloride	mg/L	5.24	4.24	2.91	2.99	2.22	2.06	4.13	2.19	2.03	1.74	3.05
Fluoride	mg/L	<0.06	0.0941 J	0.163	0.18	0.107 J	0.0988 J	0.0651 J	0.083 J	<0.06	<0.06	<0.06
pH_Field	SU	7.91	8.09	7.09	7.3	6.85	7.09	7.77	7.12	7.68	7.73	7.18
Sulfate	mg/L	2.72	2.81	14.6	14.1	11.4	12.4	7.23	1.31	0.934 J	<0.6	2.99
TDS	mg/L	122	98	146	139	144	136	118	111	107	94.7	126
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.000507	<0.000508	<0.000508	<0.000508	<0.000507	<0.000508	<0.000508	<0.000508	<0.000507
Arsenic	mg/L	0.000113 J	<8.1e-005	0.000946	0.000456	0.000332	0.000281	0.000195 J	0.0001 J	0.000172 J	8.18e-005 J	0.000179 J
Barium	mg/L	0.00686	0.00439	0.0226	0.0289	0.0266	0.0302	0.0107	0.00746	0.00636	0.00619	0.0155
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	0.000662 J	0.000511 J	0.000345 J	0.000331 J	0.000299 J	0.000237 J	0.000871 J	0.00113	0.00088 J	0.000991 J	0.000441 J
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	0.000109 J	<6.8e-005	<6.8e-005	<6.8e-005	0.000167 J
Combined Radium	pCi/L	0.024 U	0.53 U	0.176 U	0.723 U	1.02	0.527 U	0.161 U	0.737 U	0.455 U	0.00194 U	0.456 U
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	0.000114 J	<6.8e-005	<6.8e-005	7.39e-005 J	0.000122 J
Lithium	mg/L	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	<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	<0.0003	<0.0003
Molybdenum	mg/L	0.00038	0.000156 J	0.00167	0.000883	0.000792	0.000816	0.000473	0.000192 J	<0.000102	<0.000102	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-41			GN-AP-MW-42				GN-AP-MW-4			
		09/21/2021	04/19/2022	08/29/2022	04/13/2021	09/21/2021	04/19/2022	08/29/2022	03/30/2016	05/17/2016	07/11/2016	09/14/2016
Appendix III												
Boron	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.193	0.201	0.375	0.507
Calcium	mg/L	31.8	29.4	30	11.7	15.4	11.3	13.3	53.6	50.5	56.5	58
Chloride	mg/L	2.78	2.71	2.15	4.18	3.99	3.82	3.29	12.9	12	20.3	27.3
Fluoride	mg/L	0.113	<0.06	<0.06	<0.06	0.0656 J	<0.06	<0.06	0.023 J	0.065 J	0.054 J	0.014 J
pH_Field	SU	7.3	6.8	7.57	6.14	6.07	6.31	5.87	7.31	7.35	7.43	7.26
Sulfate	mg/L	1.44	1.37 J	2.24	4.92	3.27	2.53	2.99	24.9	25.1	33.2	35.5
TDS	mg/L	148	138	133	77.3	83.3	67.3	76	339	269	305	326
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	<6.8e-005	0.000138 J	<8.1e-005	0.000163 J	<6.8e-005	9.02e-005 J	<8.1e-005	0.002 J	<0.001	<0.001	<0.001
Barium	mg/L	0.022	0.0185	0.0212	0.0154	0.0114	0.0154	0.0147	0.0219	0.0196	0.0286	0.0261
Beryllium	mg/L	<0.000406	<0.000406	<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	0.000855	0.000181 J	0.000187 J	8.11e-005 J	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	0.000452 J	0.000477 J	0.00034 J	0.000307 J	0.000503 J	0.000481 J	0.000601 J	0.00322 J	<0.002	<0.002	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	0.00168	<6.8e-005	<6.8e-005	0.000118 J	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.828 U	0.392 U	0.246 U	0.404 U	0.491 U	0.853 U	0.63 U	1 U	0.294 U	-0.021 U	0.705
Lead	mg/L	<6.8e-005	<6.8e-005	8.21e-005 J	<6.8e-005	<6.8e-005	8.61e-005 J	7.99e-005 J	0.00247 J	<0.001	<0.001	<0.001
Lithium	mg/L	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	<0.007105	0.015 J	<0.01	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.000278 J	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<6.8e-005	<0.000102	<0.000102	0.000176 J	0.000151 J	<0.000102	0.000169 J	<0.002	<0.002	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-4										
		11/16/2016	02/28/2017	05/24/2017	06/21/2017	08/15/2017	01/10/2018	04/19/2018	10/03/2018	04/02/2019	09/17/2019	02/18/2020
Appendix III												
Boron	mg/L	0.655	0.364	0.352	0.263	0.23	--	0.305	0.952	0.271	0.619	0.281
Calcium	mg/L	61.8	56.8	55.5	51	48.9	--	56.5	73.5	56.9	69.3	55.8
Chloride	mg/L	37.1	27	28	20	17	--	21	21	18.3	37.5	19.6
Fluoride	mg/L	<0.01	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.05	<0.05	0.0506 J
pH_Field	SU	7.19	7.23	7.26	7.26	7.29	7.17	7.27	7.09	7.34	7.65	7.34
Sulfate	mg/L	38.5	32	30	25	24	--	25	37	22.4	39.8	21.4
TDS	mg/L	338	303	312	241	281	--	282	354	270	332	274
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	--	<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	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0291	0.0229	0.0202	0.0186	--	0.0261	0.0231	0.0296	0.0254	0.0344	0.0185
Beryllium	mg/L	<0.0006	<0.0006	<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	--	<0.0003	<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	<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	<0.002
Combined Radium	pCi/L	0.491 U	0.367 U	--	0.0763 U	--	0.818	0.39 U	1.23	0.427	0.767	0.231 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<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	<0.002	<0.002

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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 than the PQL with a J.
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-4					GN-AP-MW-5					
		07/27/2020	04/05/2021	09/27/2021	05/02/2022	08/30/2022	03/30/2016	05/23/2016	07/14/2016	09/13/2016	11/15/2016	03/01/2017
Appendix III												
Boron	mg/L	0.3	0.2	0.149	0.109	0.116	1.82	2.11	2.18	2.13	2.22	2.24
Calcium	mg/L	57	52.2	54.4	56.8	60.2	68.3	63.1	67.7	67.8	68.4	71.8
Chloride	mg/L	20.2	12.8	11	8.75	8.56	31.9	29.4	29.5	30.8	30.7	40
Fluoride	mg/L	<0.06	0.0842 J	0.0702 J	<0.06	<0.06	0.048 J	0.076 J	0.058 J	0.025 J	<0.01	0.04 J
pH_Field	SU	7.3	7.33	7.37	6.68	6.85	7.61	7.68	7.79	7.69	7.72	7.55
Sulfate	mg/L	21.7	15.6	14.3	11.1	12.1	146	160	173	173	177	160
TDS	mg/L	284	248	237	248	240	398	411	424	426	412	452
Appendix IV												
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.000689 J
Arsenic	mg/L	<0.001	0.000142 J	0.000177 J	0.000162 J	0.000129 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0207	0.0151	0.0155	0.0153	0.0157	0.0339	0.0289	0.0281	0.0301	0.0296	0.0395
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	0.000909 J	0.000822 J	0.000615 J	0.000574 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.97 U	0.474 U	0.745 U	0.658 U	1.11	1 U	0.45	0.84	0.685	0.804	0.477
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	<0.001	<0.001
Lithium	mg/L	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	0.0307 J	0.0374 J	0.0499 J	0.0438 J	0.0494 J	0.0426 J
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	0.000137 J	0.000264	0.000308	0.00024	0.205	0.257	0.273	0.313	0.314	0.344

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-5										
		05/23/2017	06/20/2017	08/15/2017	01/09/2018	04/17/2018	10/01/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021
Appendix III												
Boron	mg/L	2.2	2.2	2.16	--	2.22	2.64	1.78	2.31	0.84	2.05	0.885
Calcium	mg/L	70.6	73.8	65.7	--	90	79.6	69.8	79.9	46.8	67.8	53.3
Chloride	mg/L	40	44	36	--	63	49	39.9	42.8	17.5	44.2	18.8
Fluoride	mg/L	0.05 J	0.06 J	0.05 J	0.04 J	0.04 J	0.05 J	0.0555 J	0.0568 J	0.0647 J	<0.06	0.0874 J
pH_Field	SU	7.64	7.5	7.46	7.71	7.29	7.68	7.47	7.53	7.47	7.7	7.47
Sulfate	mg/L	160	150	170	--	130	140	122	167	39.8	152	38.7
TDS	mg/L	448	437	440	--	454	449	390	434	228	406	256
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000148 J
Barium	mg/L	0.0307	0.0367	--	0.0269	0.0441	0.0298	0.0371	0.0335	0.0231	0.0332	0.027
Beryllium	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	<0.0002	<0.0002	--	<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	<0.002	<0.002	0.000278 J
Cobalt	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	9.62e-005 J
Combined Radium	pCi/L	--	0.737	--	0.714	0.641	0.651	0.245 U	0.435 U	0.661	0.907 U	1.4
Lead	mg/L	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00014 J
Lithium	mg/L	0.0416 J	0.0376 J	--	0.0461 J	0.0319 J	0.0482	0.0242	0.043	<0.01	0.0361	0.01 J
Mercury	mg/L	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.287	0.265	--	0.352	0.135	0.294	0.164	0.261	0.0546	0.215	0.0562

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GN-AP-MW-5			GN-AP-MW-6								
		09/27/2021	05/03/2022	08/30/2022	03/30/2016	05/19/2016	07/13/2016	09/13/2016	11/15/2016	03/01/2017	05/23/2017	06/20/2017	
Appendix III													
Boron	mg/L	0.725	0.562	0.575	2.89	2.84	2.41	2.06	2.08	2.25	2.11	2.5	
Calcium	mg/L	53.1	56.6	56.6	75.7	69.7	62.7	48.3	51.8	58.4	54.8	67.9	
Chloride	mg/L	14.6	12.8	12.6	30.8	28.7	24.8	21.7	25.9	29	28	40	
Fluoride	mg/L	0.1	0.0656 J	<0.06	0.056 J	0.09 J	0.067 J	0.026 J	<0.01	<0.032	0.04 J	0.05 J	
pH_Field	SU	7.55	7.01	7.47	7.95	7.88	8.07	8.04	7.93	7.89	7.96	7.87	
Sulfate	mg/L	33.5	34	33.3	204	206	176	151	161	160	160	160	
TDS	mg/L	229	236	237	430	422	391	378	354	389	375	416	
Appendix IV													
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	
Arsenic	mg/L	0.000161 J	0.00011 J	0.000117 J	0.00105 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Barium	mg/L	0.0262	0.023	0.0241	0.0277	0.0282	0.0222	0.017	0.0151	0.0212	0.0162	0.02	
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<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	<0.0002	<0.0002	<0.0002	
Chromium	mg/L	0.000418 J	<0.000203	0.000322 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Cobalt	mg/L	<6.8e-005	<6.8e-005	0.000117 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Combined Radium	pCi/L	1.34	0.958 U	0.775 U	1 U	0.544	0.0469 U	0.179 U	1.45	0.166 U	--	0.484	
Lead	mg/L	9.85e-005 J	0.000102 J	7.2e-005 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Lithium	mg/L	0.0086 J	<0.007105	<0.007105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Molybdenum	mg/L	0.0541	0.0407	0.0402	0.0186	0.0188	0.017	0.00943 J	0.00741 J	0.0146	0.00996 J	0.0148	

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-6										
		08/15/2017	01/10/2018	04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021	09/27/2021	05/03/2022
Appendix III												
Boron	mg/L	1.34	--	2.74	2.38	2.7	2.68	2.94	2.79	2.4	2.03	1.81
Calcium	mg/L	52.5	--	77.1	61.2	80	83.9	83.1	82.5	75.5	69.2	68.9
Chloride	mg/L	32	--	52	50	66.4	65.3	69.7	64.2	45.5	45.3	26.9
Fluoride	mg/L	0.04 J	0.04 J	0.04 J	0.05 J	0.06 J	0.0634 J	<0.05	<0.06	0.0872 J	0.0862 J	<0.06
pH_Field	SU	7.86	7.98	7.82	7.87	7.73	7.85	7.8	7.62	7.02	7.92	7.63
Sulfate	mg/L	160	--	160	150	200	177	178	189	151	156	115
TDS	mg/L	394	--	437	418	445	445	455	485	436	415	376
Appendix IV												
Antimony	mg/L	--	<0.0006	<0.0006	<0.0008	0.000812 J	<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	<0.001	9.55e-005 J	0.000138 J	0.000151 J
Barium	mg/L	--	0.0183	0.0271	0.0189	0.0241	0.023	0.0254	0.026	0.0211	0.0223	0.0232
Beryllium	mg/L	--	<0.0006	<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	<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	<0.002	0.000259 J	0.000345 J	<0.000203
Cobalt	mg/L	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	--	0.544	0.719	0.558	0.369	0.586	0.746	0.292 U	0.387 U	0.314 U	0.478 U
Lead	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	0.012 J
Mercury	mg/L	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	--	0.0122	0.0146	0.0101	0.0169	0.0138	0.0157	0.0185	0.0119	0.0118	0.00912

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-	GN-AP-MW-7									
		08/30/2022	03/30/2016	05/19/2016	07/13/2016	09/13/2016	11/15/2016	03/01/2017	05/23/2017	06/20/2017	08/15/2017	01/10/2018
Appendix III												
Boron	mg/L	1.78	1.85	1.66	1.58	0.674	1.72	1.84	1.69	1.75	1.68	--
Calcium	mg/L	84.6	96.4	84.5	84	58.2	87.9	96.8	88	87.5	89.4	--
Chloride	mg/L	23.9	16.9	14.9	12.6	8.09	14.3	18	19	18	18	--
Fluoride	mg/L	<0.06	0.034 J	0.072 J	0.054 J	0.021 J	<0.01	<0.032	0.04 J	0.04 J	0.04 J	0.04 J
pH_Field	SU	7.6	7.45	7.5	7.58	7.53	7.48	7.46	7.51	7.52	7.43	7.57
Sulfate	mg/L	123	215	204	155	89.8	176	200	200	180	210	--
TDS	mg/L	400	472	458	412	312	426	487	487	421	490	--
Appendix IV												
Antimony	mg/L	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006
Arsenic	mg/L	0.000108 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Barium	mg/L	0.0219	0.025	0.0249	0.0279	0.0153	0.0225	0.0261	0.0208	0.0244	--	0.0235
Beryllium	mg/L	<0.000406	<0.0006	<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	--	<0.0003
Chromium	mg/L	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Cobalt	mg/L	<6.8e-005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002
Combined Radium	pCi/L	0.856 U	--	0.116 U	0.187 U	0.0165 U	0.236 U	0.213 U	--	0.16 U	--	0.889
Lead	mg/L	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001
Lithium	mg/L	<0.007105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
Mercury	mg/L	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025
Molybdenum	mg/L	0.00776	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-7										GN-AP-
		04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021	09/27/2021	05/03/2022	08/30/2022	03/29/2016
Appendix III												
Boron	mg/L	1.81	2.34	1.64	2.16	1.99	1.81	1.9	1.52	1.28	1.26	0.161
Calcium	mg/L	100	106	115	99.1	95.8	84.9	86.8	76.2	69	79.8	58.2
Chloride	mg/L	16	25	15.7	29.5	28	22.3	22.4	16.5	12.6	12	5.14
Fluoride	mg/L	<0.032	0.05 J	0.052 J	0.0578 J	0.0523 J	<0.06	0.0705 J	0.0882 J	<0.06	<0.06	0.104 J
pH_Field	SU	7.5	7.49	7.24	7.52	7.51	7.32	7.51	7.74	7.53	7.57	7.2
Sulfate	mg/L	170	200	186	199	207	160	164	143	107	212	29.9
TDS	mg/L	464	504	428	489	490	434	436	379	329	319	290
Appendix IV												
Antimony	mg/L	<0.0006	<0.0008	0.00089 J	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	0.00238 J
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000194 J	0.000189 J	0.000163 J	0.000101 J	0.00155 J
Barium	mg/L	0.0252	0.0265	0.0236	0.029	0.0261	0.0248	0.0245	0.0218	0.0197	0.0188	0.0277
Beryllium	mg/L	<0.0006	<0.0006	<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	<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	<0.002	<0.002	0.000506 J	0.000373 J	0.000212 J	0.000281 J	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002
Combined Radium	pCi/L	0.623	0.971	0.326 U	0.56 U	0.512 U	0.652 U	0.743 U	0.319 U	0.596 U	0.842 U	1 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	8.36e-005 J	<0.001
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00021	0.000261	0.000281	0.000222	0.0042 J

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-8										
		05/23/2016	07/12/2016	09/13/2016	11/15/2016	02/28/2017	05/24/2017	06/20/2017	08/15/2017	01/10/2018	04/17/2018	10/01/2018
Appendix III												
Boron	mg/L	0.197	0.17	0.114	0.0853 J	0.0452 J	0.113	0.0853 J	0.0862 J	--	0.0649 J	0.03 J
Calcium	mg/L	52.1	53.6	53	51.5	51.4	50.8	49.8	51.6	--	52.2	50.8
Chloride	mg/L	5.03	4.66	3.98	3.71	5.2	5.4	5	4.6	--	3.6	3.9
Fluoride	mg/L	0.131 J	0.105 J	0.057 J	<0.01	0.07 J	0.09 J	0.08 J	0.09 J	0.11	0.09 J	0.12
pH_Field	SU	7.39	7.43	7.38	7.35	7.3	7.33	7.33	7.31	7.36	7.28	7.33
Sulfate	mg/L	26.5	24.3	17.8	10.1	5.8	11	7.9	5	--	2.9 J	<1.4
TDS	mg/L	312	292	276	262	290	296	273	279	--	250	246
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	0.000718 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008
Arsenic	mg/L	0.00227 J	0.00206 J	0.00179 J	0.00171 J	0.00232 J	0.00151 J	0.00298 J	--	0.00196 J	0.00219 J	0.00188 J
Barium	mg/L	0.0261	0.0251	0.0189	0.0186	0.0196	0.0228	0.0188	--	0.0141	0.0179	0.0168
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	0.00395 J	<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	<0.002
Combined Radium	pCi/L	-0.317 U	-0.0583 U	0.127 U	0.406 U	-0.00408 U	--	0.22 U	--	0.0982 U	-0.237 U	0.601
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.00283 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-8							GN-AP-MW-9			
		04/01/2019	09/17/2019	02/25/2020	07/29/2020	04/06/2021	09/21/2021	05/02/2022	08/31/2022	04/04/2016	05/23/2016	07/12/2016
Appendix III												
Boron	mg/L	0.0345 J	0.0439 J	<0.03	<0.03	0.0327 J	<0.03	0.0313 J	<0.03	<0.02	<0.02	<0.02
Calcium	mg/L	50.5	54.5	54.7	49.4	51.1	51.4	56.7	58.2	32.3	31.3	31.6
Chloride	mg/L	3.9	3.96	3.81	3.77	3.9	3.8	3.33	2.97	5.89	5.2	5.71
Fluoride	mg/L	0.0956 J	0.0971 J	0.0898 J	0.0742 J	0.114	0.132	0.111 J	<0.06	0.109 J	0.1 J	0.11 J
pH_Field	SU	7.4	7.55	7.39	7.39	7.23	7.3	7.44	7.44	7.32	7.66	7.77
Sulfate	mg/L	1.8	4.62	3.89	3.25	3.29	1.95	3.02	1.14 J	13.5	1.78	0.915 J
TDS	mg/L	268	257	252	253	256	256	237	246	182	184	176
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00177 J	0.00112 J	<0.001	0.00152 J	0.00108	0.0012	0.00107	0.00113	0.00191 J	0.00213 J	0.00183 J
Barium	mg/L	0.0209	0.0202	0.0168	0.0206	0.018	0.0179	0.0188	0.018	0.0789	0.0733	0.102
Beryllium	mg/L	<0.0006	<0.0006	<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	<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	<0.002	<0.002	0.000333 J	0.000313 J	0.000311 J	0.000271 J	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	9.45e-005 J	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002
Combined Radium	pCi/L	-0.0724 U	0.645	0.362 U	0.398 U	0.53 U	0.0496 U	0.465 U	0.41 U	1 U	0.0417 U	0.208 U
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	<0.001	<0.001
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.01	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<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	<0.002	<0.002	0.000895	0.000718	0.00107	0.000733	0.00344 J	0.00306 J	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-9										
		09/13/2016	11/15/2016	02/28/2017	05/24/2017	06/20/2017	08/16/2017	01/10/2018	04/17/2018	10/01/2018	04/01/2019	09/17/2019
Appendix III												
Boron	mg/L	<0.02	0.0256 J	0.021 J	<0.02	<0.02	0.0213 J	--	0.0386 J	<0.02	<0.03	<0.03
Calcium	mg/L	31.2	31.5	29.7	30.4	30.8	30.5	--	32.9	32.4	32.3	32.7
Chloride	mg/L	5.88	6.04	8.6	9.3	7.8	7.6	--	7.5	8.9	8.42	8.59
Fluoride	mg/L	0.075 J	0.023 J	0.11	0.11	0.12	0.11	0.12	0.12	0.14	0.136	0.128
pH_Field	SU	7.7	7.69	7.66	7.64	7.62	7.51	7.72	7.57	7.59	7.64	8.07
Sulfate	mg/L	<0.3	0.96 J	5.5	18	13	14	--	14	11	14.3	13.9
TDS	mg/L	170	180	203	199	178	205	--	193	198	205	207
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	0.000662 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00168 J	0.00181 J	0.00404 J	0.00161 J	0.00155 J	--	0.00227 J	0.00174 J	0.00275 J	0.00269 J	0.00324 J
Barium	mg/L	0.0793	0.0882	0.111	0.0914	0.0948	--	0.0836	0.0979	0.118	0.105	0.118
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	0.436 U	0.775	0.42 U	--	0.53	--	0.903	0.293 U	1.07	0.334	0.194 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	0.00364 J	0.00282 J	--	<0.002	<0.002	<0.002	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-9						GN-AP-MW-10				
		02/17/2020	07/29/2020	04/05/2021	09/21/2021	05/02/2022	08/31/2022	03/30/2016	05/17/2016	07/13/2016	09/13/2016	11/15/2016
Appendix III												
Boron	mg/L	<0.03	<0.03	0.0314 J	<0.03	<0.03	<0.03	0.0291 J	0.0466 J	0.0305 J	<0.02	<0.02
Calcium	mg/L	33.2	32.4	31.7	31.5	31.9	29.9	38.2	33.9	36.7	38.1	38
Chloride	mg/L	8.74	8.93	9.25	9.17	8.5	8.1	4.59	3.94	3.32	2.91	2.75
Fluoride	mg/L	0.15	0.116	0.15	0.181	0.122 J	0.089 J	0.052 J	0.088 J	0.06 J	0.019 J	<0.01
pH_Field	SU	7.75	7.66	7.8	7.72	7.7	7.74	7.45	7.68	7.71	7.53	7.53
Sulfate	mg/L	14.7	14.7	15.1	18.4	17.9	18.7	9.91	7.27	4.11	2.86	2.16
TDS	mg/L	211	215	211	205	209	210	195	189	179	168	180
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00246 J	0.00222 J	0.00234	0.00308	0.00225	0.00259	0.00105 J	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.109	0.105	0.104	0.114	0.114	0.114	0.0139	0.0188	0.0139	0.0121	0.0132
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	0.000295 J	0.000323 J	<0.000203	0.000286 J	<0.002	<0.002	<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	<0.002	<0.002
Combined Radium	pCi/L	0.38 U	0.28 U	0.843 U	1.05 U	0.891	0.741 U	1 U	0.364 U	0.347 U	0.567	0.305 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	<0.001	<0.001
Lithium	mg/L	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	0.000821	0.00102	0.0012	0.00128	<0.002	<0.002	<0.002	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-10										
		02/28/2017	05/22/2017	06/19/2017	08/14/2017	01/10/2018	04/16/2018	10/02/2018	04/03/2019	09/16/2019	02/17/2020	07/22/2020
Appendix III												
Boron	mg/L	<0.02	<0.02	0.0204 J	0.0242 J	--	0.0466 J	0.0228 J	<0.03	<0.03	<0.03	<0.03
Calcium	mg/L	39.4	37.4	37.4	36.4	--	38.7	39.7	39.9	39.1	39.7	38.5
Chloride	mg/L	3.2	3.7	3.7	3.1	--	3.3	2.6	2.64	2.54	2.61	2.53
Fluoride	mg/L	<0.032	0.04 J	0.04 J	0.04 J	<0.032	0.04 J	0.04 J	<0.05	<0.05	0.051 J	<0.06
pH_Field	SU	7.58	7.51	7.53	7.52	7.64	7.54	7.54	7.6	7.6	7.61	7.64
Sulfate	mg/L	3.7 J	2.6 J	2.8 J	3.4 J	--	3.4 J	2.6 J	3.81	3.39	3.56	3.65
TDS	mg/L	180	178	165	185	--	181	161	166	168	170	175
Appendix IV												
Antimony	mg/L	0.000753 J	<0.0006	<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	<0.001	<0.001
Barium	mg/L	0.0148	0.0116	0.0113	--	0.0117	0.0145	0.0124	0.0129	0.0135	0.0127	0.0141
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	0.346 U	--	0.614	--	0.629	0.0363 U	0.613	0.26 U	0.307 U	0.379 U	0.185 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<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	<0.002	<0.002

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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-10				GN-AP-MW-11						
		04/05/2021	09/21/2021	05/02/2022	08/31/2022	03/30/2016	05/18/2016	07/13/2016	09/13/2016	11/14/2016	02/28/2017	05/22/2017
Appendix III												
Boron	mg/L	0.0854 J	0.0378 J	0.0352 J	<0.03	0.112	0.118	0.125	0.108	0.126	0.12	0.116
Calcium	mg/L	40	38.4	39	39.8	36.4	34.7	36.4	35.6	36.2	35.4	34.4
Chloride	mg/L	3.88	3.39	3.2	2.43	6.36	5.93	5.93	5.92	5.95	6.7	7.1
Fluoride	mg/L	0.0627 J	0.0847 J	<0.06	<0.06	0.026 J	0.068 J	0.049 J	0.018 J	<0.01	<0.032	<0.032
pH_Field	SU	6.93	7.02	7.12	7.25	7.63	7.64	7.84	7.69	7.7	7.79	7.72
Sulfate	mg/L	11.4	5.56	4.75	3.78	32.2	30.8	32.4	30.9	32.1	32	32
TDS	mg/L	184	174	173	174	184	186	192	187	185	198	185
Appendix IV												
Antimony	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.000823 J	<0.0006
Arsenic	mg/L	0.000311	0.000239	0.000251	0.000174 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0142	0.0129	0.0132	0.0138	0.00993 J	0.011	0.012	0.01	0.00973 J	0.00989 J	0.00911 J
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0002	<0.0002
Chromium	mg/L	0.000275 J	0.000253 J	0.000258 J	0.000279 J	<0.002	<0.002	<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	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.579 U	0.802 U	0.349 U	0.73 U	1 U	0.224 U	0.177 U	0.216 U	0.318 U	0.551	--
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	<0.001	<0.001
Lithium	mg/L	<0.007105	<0.007105	<0.007105	<0.007105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.000248	0.000183 J	0.000218	0.000158 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-11										
		06/19/2017	08/14/2017	01/09/2018	04/16/2018	10/04/2018	04/03/2019	09/16/2019	02/17/2020	07/22/2020	04/05/2021	09/21/2021
Appendix III												
Boron	mg/L	0.12	0.124	--	0.163	0.206	0.216	0.207	0.221	0.205	0.271	0.283
Calcium	mg/L	34.8	34.6	--	37.4	40.8	44.1	40.2	41	39	40.1	40.9
Chloride	mg/L	6.2	6.7	--	6.2	6.9	6.35	6.49	6.66	6.75	7.09	7.14
Fluoride	mg/L	<0.032	<0.032	<0.032	<0.032	0.04 J	<0.05	<0.05	0.0546 J	<0.06	0.0634 J	0.0847 J
pH_Field	SU	7.73	7.67	7.82	7.71	7.71	7.75	7.71	7.74	7.76	7.63	7.64
Sulfate	mg/L	33	34	--	33	37	44.2	49.2	45.2	45.3	50.1	55.4
TDS	mg/L	189	135	--	174	208	200	207	209	216	217	217
Appendix IV												
Antimony	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000237	0.00017 J
Barium	mg/L	0.00908 J	--	0.00832 J	0.00942 J	0.00817 J	0.00993 J	0.00956 J	0.0088 J	0.0082 J	0.00832	0.00893
Beryllium	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<0.0002	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000743 J	0.000923 J
Cobalt	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.418 U	--	0.402 U	0.437 U	0.703	0.2 U	0.507 U	0.568	0.24 U	0.13 U	0.0771 U
Lead	mg/L	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105
Mercury	mg/L	<0.00025	--	<0.00025	<0.00025	<0.00025	<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	<0.002	<0.002	0.00033	0.000264

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-11		GN-AP-MW-12								
		05/02/2022	09/06/2022	03/30/2016	05/18/2016	07/13/2016	09/12/2016	11/14/2016	02/28/2017	05/24/2017	06/21/2017	08/14/2017
Appendix III												
Boron	mg/L	0.324	0.317	0.287	0.286	0.299	0.302	0.323	0.336	0.342	0.342	0.359
Calcium	mg/L	44	46.7	63.4	57.5	62.9	60.1	61.4	62.6	62.3	63	60.6
Chloride	mg/L	6.86	7.27	21.4	19.6	19.6	19.7	19.7	22	22	21	21
Fluoride	mg/L	<0.06	<0.06	0.039 J	0.078 J	0.058 J	0.023 J	<0.01	<0.032	0.05 J	0.05 J	0.04 J
pH_Field	SU	7.16	7.67	7.39	7.34	7.52	7.39	7.42	7.46	7.39	7.36	7.36
Sulfate	mg/L	58.3	61.9	85	83.8	86.2	91.8	91.2	86	92	88	100
TDS	mg/L	234	226	353	343	352	346	322	353	234	372	372
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.000648 J	<0.0006	<0.0006	--
Arsenic	mg/L	0.000177 J	0.000164 J	0.00148 J	0.00194 J	0.0021 J	0.00456 J	0.00241 J	0.0022 J	0.00564	0.00257 J	--
Barium	mg/L	0.00969	0.00885	0.0644	0.0794	0.0735	0.072	0.0768	0.0695	0.0671	0.0629	--
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--
Cadmium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chromium	mg/L	0.000496 J	0.000595 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Cobalt	mg/L	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Combined Radium	pCi/L	0.355 U	0.101 U	1 U	0.678	0.707	1.04	0.586	1.09	--	1.05	--
Lead	mg/L	<6.8e-005	9.12e-005 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Lithium	mg/L	<0.007105	<0.007105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Mercury	mg/L	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--
Molybdenum	mg/L	0.000342	0.000269	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-12										
		01/09/2018	04/16/2018	10/04/2018	04/03/2019	09/16/2019	02/18/2020	07/27/2020	04/05/2021	09/22/2021	05/03/2022	09/06/2022
Appendix III												
Boron	mg/L	--	0.384	0.503	0.401	0.423	0.433	0.444	0.427	0.447	0.465	0.459
Calcium	mg/L	--	64.6	74.5	67.8	69.5	73.1	65.7	64.8	67.3	70.9	67.8
Chloride	mg/L	--	20	21	19.7	19.8	19.6	19.8	19.7	19.7	18.9	18.4
Fluoride	mg/L	0.04 J	0.04 J	0.04 J	<0.05	0.0538 J	0.0571 J	<0.06	0.0733 J	0.0887 J	<0.06	<0.06
pH_Field	SU	7.45	7.36	7.37	7.37	7.44	7.42	7.47	6.88	7.48	7.39	7.39
Sulfate	mg/L	--	91	76	102	108	110	108	96.8	131	97	104
TDS	mg/L	--	365	372	372	377	378	378	372	375	371	376
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0008	0.000871 J	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	0.00886	0.00754	0.0081	0.00726	0.00538	0.00269 J	0.0041 J	0.00276	0.00529	0.00223	0.0033
Barium	mg/L	0.0658	0.0666	0.0667	0.073	0.0819	0.0726	0.077	0.0751	0.0815	0.0766	0.0776
Beryllium	mg/L	<0.0006	<0.0006	<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	<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	<0.002	<0.002	0.000278 J	0.000394 J	<0.000203	<0.000203
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000113 J	0.000156 J	0.000219	0.000195 J
Combined Radium	pCi/L	1.22	0.769	1.5	0.669	1.04	1.34	1.85	1.2	1.4	1.09 U	0.847 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.0003	<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	<0.002	0.000366	0.000296	0.000331	0.000304

Notes: *Highlighted Cells have a value greater than GWPS

1. mg/L - Milligrams per Liter
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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-13										
		03/30/2016	05/18/2016	07/14/2016	09/12/2016	11/14/2016	02/28/2017	05/24/2017	06/21/2017	08/14/2017	01/09/2018	04/19/2018
Appendix III												
Boron	mg/L	<0.02	<0.02	<0.02	0.0762 J	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02
Calcium	mg/L	46.6	46.1	45.6	44.1	46	45	44.3	44.7	43.5	--	45.8
Chloride	mg/L	4.69	4.35	4.33	4.4	4.76	6.1	5.4	5.2	5.6	--	4.6
Fluoride	mg/L	0.042 J	0.08 J	0.06 J	0.028 J	<0.01	0.04 J	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J
pH_Field	SU	7.27	7.37	7.51	7.39	7.37	7.32	7.44	7.39	7.39	7.5	7.38
Sulfate	mg/L	<0.3	0.492 J	0.38 J	<0.3	<0.3	<1.4	<1.4	<1.4	<1.4	--	<1.4
TDS	mg/L	202	207	203	205	197	221	204	218	217	--	201
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	0.000748 J	0.000755 J	<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	--	<0.001	<0.001
Barium	mg/L	0.0337	0.038	0.0338	0.0331	0.0353	0.0388	0.0344	0.0302	--	0.0321	0.0361
Beryllium	mg/L	<0.0006	<0.0006	<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	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	1 U	0.539	0.652	0.325 U	0.734	0.629	--	0.637	--	0.825	0.546 U
Lead	mg/L	<0.001	<0.001	<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	--	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<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	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than the PQL with a J.
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-13									GN-AP-MW-14	
		10/05/2018	04/03/2019	09/17/2019	02/19/2020	07/27/2020	04/06/2021	09/22/2021	05/02/2022	09/07/2022	03/28/2016	05/17/2016
Appendix III												
Boron	mg/L	<0.02	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.02	<0.02
Calcium	mg/L	46.8	46.9	48.3	46.7	45.5	43.8	46.6	44.1	52.7	124	74.6
Chloride	mg/L	5.1	4.85	4.83	5.02	5.2	5.06	4.8	4.32	4.55	2.11	2.38
Fluoride	mg/L	0.05 J	<0.05	0.0753 J	0.06 J	<0.06	0.0794 J	0.117	<0.06	<0.06	0.084 J	0.098 J
pH_Field	SU	7.25	7.41	7.45	7.42	7.48	7.5	7.59	7.46	7.52	7.34	7.22
Sulfate	mg/L	<1.4	0.925 J	<0.5	0.571 J	<0.5	<0.5	0.521 J	<0.6	0.641 J	66.6	63.9
TDS	mg/L	208	201	204	206	202	193	210	201	192	308	314
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	0.000985 J	<0.0006
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.000661	0.000523	0.000435	0.000532	0.0048 J	0.0016 J
Barium	mg/L	0.0336	0.0363	0.0396	0.0381	0.0395	0.0389	0.0444	0.0411	0.0422	0.0952	0.0437
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	0.00119 J	<0.0006
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	0.00133	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.000353 J	0.000318 J	0.000265 J	0.000286 J	0.00577 J	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.000142 J	<6.8e-005	0.000136 J	9.13e-005 J	0.00969 J	<0.002
Combined Radium	pCi/L	1.04	0.577	0.958 U	0.702	0.986	0.66 U	0.834 U	0.412 U	0.895 U	1 U	0.119 U
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.000106 J	<6.8e-005	<6.8e-005	<6.8e-005	0.0202	0.00114 J
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	0.0107 J	<0.01
Mercury	mg/L	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.000329	0.000312	0.000363	0.000381	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-14										
		07/11/2016	09/13/2016	11/15/2016	02/27/2017	05/24/2017	06/21/2017	08/15/2017	01/09/2018	04/19/2018	10/05/2018	04/03/2019
Appendix III												
Boron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.02	<0.03
Calcium	mg/L	68.9	80.3	102	77.9	72.9	80	72.1	--	59.6	123	63.1
Chloride	mg/L	2.42	2.34	2.55	5.8	5.9	3.6	4.9	--	6.5	3.5	5.72
Fluoride	mg/L	0.086 J	0.061 J	<0.01	0.12	0.12	0.1	0.12	0.14	0.13	0.1	0.106
pH_Field	SU	7.32	7.35	7.32	7.38	7.41	7.26	7.33	7.5	7.48	7.05	7.43
Sulfate	mg/L	57.6	82.8	118	62 J	56	75	67	--	53	160	75.2
TDS	mg/L	319	354	452	339	316	376	340	--	304	544	336
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	0.00076 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	0.000939 J
Arsenic	mg/L	0.00112 J	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	0.00113 J	<0.001	<0.001
Barium	mg/L	0.0496	0.0493	0.0634	0.0593	0.0476	0.0481	--	0.0505	0.0574	0.0776	0.0619
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	0.51 U	0.413 U	0.707	0.479 U	--	0.529	--	0.91	-0.42 U	0.955	0.189 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003
Molybdenum	mg/L	0.00361 J	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-14							GN-AP-MW-15R			
		09/17/2019	02/19/2020	07/23/2020	04/06/2021	09/22/2021	04/27/2022	09/06/2022	07/11/2016	08/22/2016	09/14/2016	11/15/2016
Appendix III												
Boron	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.829	0.835	0.838	0.894
Calcium	mg/L	74.9	69.9	88.6	78.2	80	105	102	38.1	37.3	36.5	36.8
Chloride	mg/L	4.16	4.9	3.1	3.37	3.5	4.1	5.29	23	23.3	23.6	23.8
Fluoride	mg/L	0.116	0.122	0.0954 J	0.124	0.149	0.0652 J	0.0891 J	0.076 J	0.067 J	0.036 J	<0.01
pH_Field	SU	7.3	7.52	7.44	7.51	7.5	7.07	7.35	7.58	7.56	7.52	7.57
Sulfate	mg/L	131	110	97.9	77.5	116	118	148	133	134	130	132
TDS	mg/L	439	363	399	342	394	417	462	359	349	340	324
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00108 J	<0.001	<0.001	0.000441	0.000574	0.000589	0.000568	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0745	0.0653	0.0686	0.0659	0.0739	0.0847	0.0995	0.0302	0.0267	0.0247	0.0273
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	0.000234 J	0.000302 J	0.00025 J	<0.000203	<0.002	<0.002	<0.002	<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	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.558 U	0.404 U	1.48	0.875 U	0.44 U	0.753 U	1.92	0.302 U	0.613	0.301 U	0.538 U
Lead	mg/L	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	7.71e-005 J	<6.8e-005	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	0.00824 J	0.0133 J	0.0167 J	0.019 J	0.024 J
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	<0.002	<0.002	<0.002	0.000298	0.000522	0.000344	0.000318	0.0542	0.0577	0.0627	0.0712

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-15R										
		01/03/2017	02/27/2017	05/22/2017	06/20/2017	08/14/2017	01/09/2018	04/19/2018	10/05/2018	04/03/2019	05/07/2019	09/18/2019
Appendix III												
Boron	mg/L	0.897	0.897	0.892	0.91	0.906	--	0.991	4.34	4.18	4.13	3.47
Calcium	mg/L	38	36.8	36.9	36.9	39.5	--	43.4	163	209	175	139
Chloride	mg/L	24.1	27	28	27	27	--	32	120	156	180	142
Fluoride	mg/L	<0.01	0.06 J	0.07 J	0.07 J	0.07 J	0.08 J	0.08 J	0.1	0.104	0.0937 J	0.094 J
pH_Field	SU	7.62	7.52	7.52	7.46	7.57	7.64	7.51	7.33	7.7	7.57	7.5
Sulfate	mg/L	143	130	120	120	140	--	150	260	339	351	283
TDS	mg/L	348	347	348	343	332	--	369	762	810	810	704
Appendix IV												
Antimony	mg/L	<0.0006	0.000947 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	0.00113 J	0.000998 J	<0.0008
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	0.0015 J	0.00207 J	0.0016 J	<0.001
Barium	mg/L	0.026	0.0301	0.0274	0.0292	--	0.0316	0.0368	0.0818	0.134	0.0774	0.0799
Beryllium	mg/L	<0.0006	<0.0006	<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	--	<0.0003	<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	<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	<0.002
Combined Radium	pCi/L	0.394 U	0.129 U	--	0.362 U	--	1.35	0.438 U	1.47	1.16	1.36	0.94
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0305 J	0.038 J	0.0451 J	0.043 J	--	0.0595	0.0793	0.113	0.149	0.164	0.186
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0788	0.121	0.117	0.121	--	0.138	0.141	0.214	0.433	0.292	0.307

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-15R						GN-AP-MW-16				
		02/25/2020	07/28/2020	04/06/2021	09/28/2021	05/02/2022	08/31/2022	03/29/2016	05/17/2016	07/14/2016	09/13/2016	11/14/2016
Appendix III												
Boron	mg/L	3.13	2.7	2.54	2.34	2.3	2.24	1.32	1.35	1.32	1.31	1.34
Calcium	mg/L	120	102	98.6	92.5	101	107	43.2	41.4	41.9	39.6	41
Chloride	mg/L	138	110	105	98.3	79.9	82	10.8	10	10.1	10.4	10.4
Fluoride	mg/L	0.0995 J	0.0738 J	0.116	0.09 J	0.08 J	0.0842 J	0.118 J	0.151 J	0.124 J	0.089 J	0.022 J
pH_Field	SU	7.64	7.5	7.64	7.63	7.49	7.6	8.15	8.18	8.23	8.25	8.31
Sulfate	mg/L	326	239	230	245	224	225	146	140	135	129	131
TDS	mg/L	674	606	590	566	574	582	277	261	255	264	249
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	0.000838 J	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00129 J	0.00101 J	0.000767	0.000835	0.000582	0.000502	0.00385 J	0.00337 J	0.00407 J	0.00394 J	0.0037 J
Barium	mg/L	0.0693	0.0635	0.0541	0.0615	0.0561	0.0551	0.031	0.0313	0.0336	0.0286	0.0296
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	0.000777 J	0.000309 J	0.000212 J	0.000236 J	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	0.000352	0.0004	0.000299	0.000244	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.669	2.35	1.2	1.04 U	1.14 U	0.868 U	2.84251 U	3.09	2.65	3.22	4.18
Lead	mg/L	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	0.000126 J	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0848	0.0559	0.0423	0.0326	0.0268	0.0268	0.0774	0.0738	0.0788	0.0748	0.0851
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.209	0.167	0.156	0.137	0.144	0.138	0.288	0.269	0.305	0.306	0.305

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-16										
		02/28/2017	05/24/2017	06/19/2017	08/14/2017	01/09/2018	04/19/2018	10/01/2018	04/03/2019	09/16/2019	02/25/2020	07/28/2020
Appendix III												
Boron	mg/L	1.28	1.24	1.26	1.24	--	1.34	1.29	1.32	1.4	1.39	1.33
Calcium	mg/L	41.8	39.8	40.2	41.3	--	42.3	41.5	45.8	61.3	50	48.1
Chloride	mg/L	12	12	11	12	--	12	14	15.9	20.4	17.7	17.4
Fluoride	mg/L	0.1	0.12	0.13	0.12	0.13	0.13	0.15	0.13	0.126	0.133	0.124
pH_Field	SU	8.31	8.22	8.18	8.32	8.21	8.28	8.14	8.3	7.94	8.38	8.02
Sulfate	mg/L	130	130	110	140	--	130	80	150	147	161	143
TDS	mg/L	251	257	258	263	--	247	252	275	293	284	284
Appendix IV												
Antimony	mg/L	0.000632 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00409 J	0.00419 J	0.00424 J	--	0.00505	0.00484 J	0.00466 J	0.00469 J	0.00492 J	0.00495 J	0.00535
Barium	mg/L	0.0315	0.0275	0.0279	--	0.0273	0.0307	0.0295	0.0327	0.0393	0.0353	0.0355
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	3.61	--	3	--	3.76	3.32	2.91	3.43	3.55	2.99	3.49
Lead	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.0766	0.0722	0.0693	--	0.0781	0.0752	0.076	0.0808	0.0926	0.0951	0.0903
Mercury	mg/L	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.368	0.275	0.26	--	0.316	0.275	0.267	0.317	0.32	0.343	0.328

Notes: *Highlighted Cells have a value greater than GWPS

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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 than 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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-16				GN-AP-MW-17						
		04/05/2021	09/28/2021	04/27/2022	08/30/2022	03/29/2016	05/17/2016	07/14/2016	09/13/2016	11/16/2016	02/28/2017	05/24/2017
Appendix III												
Boron	mg/L	1.43	1.42	1.44	1.42	3.04	3.1	2.96	2.94	2.96	2.92	2.66
Calcium	mg/L	57.6	65.3	71.6	98.9	77.4	70.3	73	70.7	51.7	73.1	70.6
Chloride	mg/L	19.8	28.9	35.8	56.6	14.7	13.8	13.8	14.1	14.2	17	17
Fluoride	mg/L	0.159	0.125	0.0766 J	0.114 J	0.221 J	0.241 J	0.213 J	0.168 J	0.103 J	0.22	0.2
pH_Field	SU	7.76	8.2	8.17	7.84	9.66	9.56	9.63	9.57	9.59	9.56	9.71
Sulfate	mg/L	172	188	191	190	254	251	246	238	234	240	230
TDS	mg/L	333	354	369	425	451	432	434	432	412	434	425
Appendix IV												
Antimony	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	0.00107 J	0.000869 J	0.000882 J	0.000807 J	0.000801 J	0.00129 J	0.000774 J
Arsenic	mg/L	0.00452	0.00593	0.00564	0.00556	0.0125	0.0112	0.013	0.0124	0.0121	0.0127	0.0121
Barium	mg/L	0.0421	0.051	0.051	0.0694	0.0849	0.0891	0.0965	0.0811	0.0833	0.0897	0.0673
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	9.99e-005 J	<6.8e-005	9.85e-005 J	<6.8e-005	0.000357 J	0.000216 J	0.000277 J	0.000203 J	0.00027 J	0.000351 J	0.000339 J
Chromium	mg/L	0.000319 J	0.000315 J	0.00021 J	0.000242 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	0.000679	0.000946	0.000704	0.000863	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	4.28	4.67	4.33	4.95	1 U	0.792	0.864	1.01	1.27	0.347 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	<0.001	<0.001
Lithium	mg/L	0.111	0.126	0.129	0.153	0.646	0.613	0.616	0.592	0.603	0.562	0.561
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.514	0.538	0.52	0.556	2.19	2.24	2.1	2.3	1.92	2.6	1.77

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-17										
		06/19/2017	08/14/2017	01/09/2018	04/19/2018	10/01/2018	04/03/2019	09/17/2019	02/26/2020	07/29/2020	04/06/2021	09/29/2021
Appendix III												
Boron	mg/L	2.7	2.64	--	2.87	2.83	2.92	3.25	3.24	3.06	3.48	3.37
Calcium	mg/L	67.7	72.8	--	80.8	102	116	131	102	103	159	177
Chloride	mg/L	16	17	--	21	30	38	43.2	27.7	26.5	52.8	94.3
Fluoride	mg/L	0.21	0.22	0.24	0.22	0.25	0.182	0.187	0.189	0.185	0.179	0.211
pH_Field	SU	9.67	9.62	9.77	9.59	9.48	9.56	9.18	9.61	9.38	9.59	9.33
Sulfate	mg/L	200	250	--	250	280	346	322	351	309	421	425
TDS	mg/L	424	428	--	455	492	536	592	561	566	772	842
Appendix IV												
Antimony	mg/L	0.000792 J	--	0.000904 J	0.000731 J	<0.0008	0.00135 J	<0.0008	<0.0008	0.000845 J	0.000633 J	<0.000508
Arsenic	mg/L	0.0129	--	0.0138	0.0125	0.0118	0.0106	0.0109	0.011	0.00947	0.00999	0.00941
Barium	mg/L	0.0767	--	0.074	0.088	0.0898	0.105	0.12	0.105	0.0978	0.119	0.119
Beryllium	mg/L	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	0.000318 J	--	<0.0003	0.000415 J	0.000491 J	0.00051 J	<0.0003	<0.0003	<0.0003	0.000391	0.000341
Chromium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000347 J	0.000285 J
Cobalt	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	0.317 U	--	1.07	1.31	0.793	0.907	2.09	1.35	1.85	0.689 U	1.18
Lead	mg/L	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.543	--	0.621	0.591	0.628	0.716	0.785	0.752	0.731	1.01	1.03
Mercury	mg/L	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	1.9	--	2.14	1.87	1.95	2.33	2.33	2.83	2.79	3.56	3.23

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-17		GN-AP-MW-18								
		04/20/2022	08/30/2022	03/29/2016	05/17/2016	07/18/2016	09/14/2016	11/14/2016	02/28/2017	05/24/2017	06/19/2017	08/14/2017
Appendix III												
Boron	mg/L	3.39	3.42	1.33	1.37	1.31	1.28	1.31	1.29	1.17	1.24	1.19
Calcium	mg/L	240	331	104	110	109	101	105	108	102	107	105
Chloride	mg/L	186	301	11.1	10.3	10.3	10.3	10.3	12	13	12	12
Fluoride	mg/L	0.128	0.124 J	0.04 J	0.079 J	0.058 J	0.025 J	<0.01	0.04 J	0.05 J	0.05 J	0.05 J
pH_Field	SU	9.25	9.18	6.95	6.87	6.85	6.9	6.89	6.83	6.87	6.89	6.89
Sulfate	mg/L	444	415	163	159	154	143	151	140	150	140	150
TDS	mg/L	967	1420	560	540	546	542	514	536	536	598	550
Appendix IV												
Antimony	mg/L	0.000684 J	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.000728 J	<0.0006	<0.0006	--
Arsenic	mg/L	0.00851	0.00748	0.00273 J	0.00237 J	0.0024 J	0.00243 J	0.00232 J	0.00259 J	0.00229 J	0.00248 J	--
Barium	mg/L	0.12	0.135	0.0435	0.0451	0.0428	0.0415	0.0422	0.0466	0.0382	0.0408	--
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--
Cadmium	mg/L	0.000475	0.00027	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Chromium	mg/L	0.000371 J	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Cobalt	mg/L	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Combined Radium	pCi/L	1.12 U	1.14	1 U	1.2	1.19	1.31	1.29	0.727	--	0.98	--
Lead	mg/L	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Lithium	mg/L	1.02	1.19	0.0396 J	0.04 J	0.0439 J	0.0371 J	0.0398 J	0.032 J	0.0331 J	0.0342 J	--
Mercury	mg/L	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--
Molybdenum	mg/L	2.99	2.93	0.017	0.0167	0.0161	0.0183	0.0171	0.0209	0.0168	0.0173	--

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-18										
		01/09/2018	04/19/2018	10/01/2018	04/03/2019	09/18/2019	02/25/2020	07/22/2020	04/06/2021	09/28/2021	04/26/2022	08/30/2022
Appendix III												
Boron	mg/L	--	1.3	1.26	1.27	1.47	1.38	1.37	1.44	1.58	1.65	1.72
Calcium	mg/L	--	113	123	139	126	119	117	121	122	131	143
Chloride	mg/L	--	12	13	12.1	12.2	12.2	12.3	12.4	13.2	13.5	12.9
Fluoride	mg/L	0.05 J	0.05 J	0.06 J	0.0678 J	0.0551 J	0.0701 J	0.0628 J	<0.06	0.0839 J	<0.06	<0.06
pH_Field	SU	6.95	6.89	6.89	6.9	6.86	6.89	6.54	6.67	6.48	6.77	6.65
Sulfate	mg/L	--	140	140	168	173	210	180	181	205	216	203
TDS	mg/L	--	540	514	560	592	578	594	596	608	596	612
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508
Arsenic	mg/L	0.00276 J	0.00259 J	0.00288 J	0.0067	0.00308 J	0.00265 J	0.00331 J	0.00272	0.00416	0.00258	0.00247
Barium	mg/L	0.0394	0.0434	0.0424	0.045	0.0524	0.0474	0.05	0.0483	0.0525	0.0515	0.054
Beryllium	mg/L	<0.0006	<0.0006	<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	<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	<0.002	<0.002	0.000334 J	0.000291 J	0.000242 J	<0.000203
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000633	0.00132	0.00163	0.00183
Combined Radium	pCi/L	1.79	0.981	1.54	1.49	1.25	1.13	2.35	1.68	1.94	1.34	1.46
Lead	mg/L	<0.001	<0.001	<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	0.0382 J	0.0358 J	0.0386	0.0393	0.0492	0.0465	0.0507	0.05	0.0506	0.0464	0.0492
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0211	0.0186	0.0192	0.0214	0.0243	0.0228	0.0244	0.0307	0.0592	0.0656	0.0737

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-19										
		03/28/2016	05/18/2016	07/13/2016	09/13/2016	11/16/2016	02/27/2017	05/22/2017	06/21/2017	08/14/2017	01/10/2018	04/19/2018
Appendix III												
Boron	mg/L	0.0538 J	0.0252 J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	0.0258 J
Calcium	mg/L	46	42.9	43.1	44.1	42.7	43.1	41.9	41.8	43	--	43.2
Chloride	mg/L	9.86	9.4	10.3	9.68	10.2	12	12	12	12	--	11
Fluoride	mg/L	0.083 J	0.092 J	0.064 J	0.03 J	<0.01	<0.032	0.04 J	0.05 J	0.04 J	0.04 J	0.04 J
pH_Field	SU	7.24	7.5	7.63	7.53	7.55	7.53	7.5	7.51	7.43	7.5	7.5
Sulfate	mg/L	16.8	14.9	24.2	16.8	21.7	23	26	20	22	--	24
TDS	mg/L	213	206	225	212	224	223	219	164	232	--	218
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006
Arsenic	mg/L	0.00463 J	0.00511	0.004 J	0.00488 J	0.00513	0.00425 J	0.00252 J	0.00314 J	--	0.00294 J	0.00298 J
Barium	mg/L	0.037	0.0492	0.0555	0.0421	0.042	0.0407	0.0271	0.024	--	0.0195	0.0208
Beryllium	mg/L	<0.0006	<0.0006	<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	--	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	1 U	0.425	0.584	0.46 U	1.58	0.326 U	--	0.143 U	--	0.67	0.316 U
Lead	mg/L	<0.001	<0.001	<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	--	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025
Molybdenum	mg/L	0.0157	0.0125	0.0138	0.0127	0.0118	0.0145	0.0122	0.0123	--	0.0127	0.0111

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-19									GN-AP-MW-20	
		10/02/2018	04/01/2019	09/18/2019	02/18/2020	07/27/2020	04/05/2021	09/22/2021	04/19/2022	08/30/2022	03/29/2016	05/18/2016
Appendix III												
Boron	mg/L	<0.02	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	3.48	3.61
Calcium	mg/L	43.8	45.6	45.6	45.5	42.6	42.6	42.1	39.5	46.8	163	160
Chloride	mg/L	<1.4	11.9	11.6	11.4	12.1	12.6	12.8	13.7	13	17.2	16.2
Fluoride	mg/L	0.05 J	0.0563 J	0.0507 J	0.0557 J	<0.06	0.088 J	0.0965 J	<0.06	<0.06	0.035 J	0.076 J
pH_Field	SU	7.57	7.58	7.6	7.64	7.56	7.66	7.86	7.63	7.1	7.96	7.88
Sulfate	mg/L	24	24.4	23.6	25.6	23.7	23.1	25.9	27.6	27.5	556	559
TDS	mg/L	212	225	222	215	223	220	218	225	238	862	882
Appendix IV												
Antimony	mg/L	<0.0008	0.00123 J	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006
Arsenic	mg/L	0.00361 J	0.0024 J	0.00322 J	0.00196 J	0.00221 J	0.00228	0.00221	0.00215	0.00258	0.00424 J	0.00409 J
Barium	mg/L	0.0186	0.0188	0.0211	0.0163	0.0165	0.0149	0.0162	0.0141	0.0145	0.0691	0.074
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.000316 J	0.000237 J	<0.000203	<0.000203	<0.002	<0.002
Cobalt	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	9.07e-005 J	0.00011 J	0.000163 J	<6.8e-005	<0.002	<0.002
Combined Radium	pCi/L	0.854	0.263 U	0.29 U	0.779	1.68	0.959 U	0.368 U	0.66 U	1	17.244	19.9
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	<0.001	<0.001
Lithium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	0.118	0.12
Mercury	mg/L	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025
Molybdenum	mg/L	0.0113	0.0132	0.0128	0.0129	0.0133	0.0137	0.0136	0.0146	0.0148	0.637	0.657

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20										
		07/13/2016	09/14/2016	11/14/2016	02/28/2017	05/24/2017	06/19/2017	08/14/2017	01/09/2018	04/19/2018	10/01/2018	04/03/2019
Appendix III												
Boron	mg/L	3.7	3.53	3.51	3.44	3.31	3.48	3.4	--	3.74	3.73	3.77
Calcium	mg/L	158	156	156	150	150	153	159	--	192	184	206
Chloride	mg/L	16.2	16.2	16.1	18	18	18	18	--	17	19	17.9
Fluoride	mg/L	0.053 J	0.022 J	<0.01	<0.032	0.04 J	0.04 J	0.04 J	0.04 J	0.04 J	0.05 J	0.0657 J
pH_Field	SU	7.92	7.85	7.84	7.81	7.65	7.79	7.82	7.87	7.85	7.82	7.45
Sulfate	mg/L	560	553	551	560	530	510	540	--	520	590	577
TDS	mg/L	874	908	804	930	886	924	872	--	880	866	910
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	0.000643 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008
Arsenic	mg/L	0.00512	0.00411 J	0.00365 J	0.00369 J	0.00369 J	0.00397 J	--	0.00428 J	0.00374 J	0.00372 J	0.00398 J
Barium	mg/L	0.0784	0.0658	0.0634	0.0676	0.0551	0.0604	--	0.0562	0.0634	0.061	0.0599
Beryllium	mg/L	<0.0006	<0.0006	<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	<0.0003	<0.0003
Chromium	mg/L	<0.002	<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	<0.002
Combined Radium	pCi/L	18.1	20.3	17.2	13.9	--	15.6	--	14.7	11.6	15.7	13.8
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.135	0.115	0.114	0.0991	0.103	0.104	--	0.112	0.106	0.11	0.115
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003
Molybdenum	mg/L	0.774	0.725	0.63	0.767	0.623	0.667	--	0.803	0.689	0.775	0.803

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20							GN-AP-MW-21			
		09/18/2019	02/25/2020	07/22/2020	04/12/2021	09/28/2021	04/20/2022	08/30/2022	07/13/2016	08/22/2016	09/13/2016	11/15/2016
Appendix III												
Boron	mg/L	4.12	4.14	3.86	4.29	4.32	4.41	4.45	1.63	1.32	1.85	2.12
Calcium	mg/L	172	178	161	161	170	182	175	66.6	52.8	68	75.2
Chloride	mg/L	18.7	19	19.3	19.8	20	19.9	19	34.8	25.1	34.1	40.1
Fluoride	mg/L	<0.05	0.0566 J	<0.06	0.0644 J	0.0828 J	<0.06	<0.06	0.118 J	0.117 J	0.068 J	<0.01
pH_Field	SU	7.9	7.9	7.84	7.96	7.76	7.83	7.73	7.83	7.86	7.75	7.66
Sulfate	mg/L	526	674	568	547	583	575	538	159	107	155	172
TDS	mg/L	908	930	934	926	922	946	930	468	393	428	452
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00425 J	0.0043 J	0.00349 J	0.00368	0.00424	0.00405	0.00376	0.00666	0.0088	0.00489 J	0.00395 J
Barium	mg/L	0.0651	0.0595	0.0612	0.0589	0.0603	0.0542	0.0537	0.0425	0.0214	0.0628	0.06
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.0006
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	0.000123 J	7.99e-005 J	0.000101 J	8.83e-005 J	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	<0.002	<0.002	0.00038 J	0.000288 J	0.000271 J	<0.000203	<0.002	<0.002	<0.002	<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	<0.002	<0.002	<0.002
Combined Radium	pCi/L	15.7	12.9	15.6	15.6	15.4	1.49	12.7	0.355 U	0.816	0.761	1.43
Lead	mg/L	<0.001	<0.001	<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	0.131	0.137	0.125	0.139	0.137	0.129	0.126	<0.01	<0.01	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.837	0.813	0.784	0.811	0.845	0.84	0.831	0.0119	0.00256 J	0.00628 J	0.0105

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-21										
		01/03/2017	03/01/2017	05/23/2017	06/20/2017	08/15/2017	01/10/2018	04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020
Appendix III												
Boron	mg/L	2.01	1.47	1.41	1.38	2.04	--	1.66	2.58	1.5	2.51	2.28
Calcium	mg/L	80.9	58	56.3	56.8	54.5	--	64.5	102	61.1	98.3	95.5
Chloride	mg/L	38.5	23	21	22	21	--	29	58	27	64	56.3
Fluoride	mg/L	<0.01	0.04 J	0.04 J	0.04 J	<0.032	0.06 J	<0.032	0.07 J	<0.05	0.0749 J	0.0804 J
pH_Field	SU	7.57	7.53	7.78	7.82	7.73	7.67	7.66	7.51	7.67	7.15	7.43
Sulfate	mg/L	163	140	140	130	150	--	150	180	189	197	199
TDS	mg/L	418	346	386	363	364	--	410	506	401	504	490
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008
Arsenic	mg/L	0.00343 J	0.00348 J	0.00294 J	0.00286 J	--	0.00318 J	0.00195 J	0.00309 J	0.00134 J	0.00239 J	0.00116 J
Barium	mg/L	0.0348	0.0395	0.0279	0.0255	--	0.033	0.0205	0.0314	0.0146	0.0362	0.0339
Beryllium	mg/L	<0.0006	<0.0006	<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	--	<0.0003	<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	<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	<0.002
Combined Radium	pCi/L	1.11	0.378 U	--	0.224 U	--	1.11	0.367 U	1.05	0.182 U	0.435 U	0.032 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0131	0.00593 J	0.00491 J	0.00392 J	--	0.0126	0.00623 J	0.0159	0.00611 J	0.0172	0.0139

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-21					GN-AP-MW-22					
		07/28/2020	04/07/2021	09/27/2021	05/03/2022	08/30/2022	07/14/2016	08/22/2016	09/13/2016	11/15/2016	01/03/2017	03/01/2017
Appendix III												
Boron	mg/L	1.84	1.75	1.67	1.52	1.51	1.73	1.66	1.85	2.09	1.89	1.88
Calcium	mg/L	80.8	72.7	73.4	73	81.3	61.5	71.3	70.3	69	77.4	77.4
Chloride	mg/L	47	44.8	40.1	30.6	28.1	26.9	37.6	30	22.7	26.5	56
Fluoride	mg/L	<0.06	0.0739 J	0.0914 J	<0.06	<0.06	0.096 J	0.088 J	0.054 J	<0.01	<0.01	0.06 J
pH_Field	SU	7.58	7.24	7.64	7.48	7.45	7.74	7.55	7.63	7.74	7.69	7.47
Sulfate	mg/L	177	145	162	131	129	172	170	171	173	183	170
TDS	mg/L	476	432	443	388	390	435	426	430	404	428	484
Appendix IV												
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.000678 J
Arsenic	mg/L	0.00166 J	0.00103	0.00103	0.00141	0.00154	0.00305 J	0.00169 J	0.00207 J	0.00321 J	0.00261 J	0.00135 J
Barium	mg/L	0.0223	0.0375	0.0408	0.0475	0.0425	0.103	0.0662	0.0644	0.132	0.098	0.0423
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.002	0.00032 J	0.000367 J	<0.000203	<0.000203	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cobalt	mg/L	<0.002	0.000374	0.000238	0.00116	0.000936	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Combined Radium	pCi/L	0.275 U	1.12 U	0.815 U	0.435 U	0.697 U	0.711	0.615	0.878	0.671	1	0.534
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	<0.001	<0.001
Lithium	mg/L	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.00969 J	0.00838	0.00769	0.0106	0.0104	0.0633	0.0436	0.069	0.094	0.0783	0.0627

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-22										
		05/23/2017	06/20/2017	08/15/2017	01/09/2018	04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021
Appendix III												
Boron	mg/L	1.87	1.88	1.87	--	2.04	2.22	2.03	2.1	2.15	1.97	1.61
Calcium	mg/L	76.6	83.6	81.8	--	94.1	99.5	134	102	95.9	92.3	79.7
Chloride	mg/L	48	58	61	--	61	61	67.3	46.3	62.2	66.1	38.9
Fluoride	mg/L	0.07 J	0.06 J	0.06 J	0.07 J	0.06 J	0.08 J	0.0613 J	0.065 J	0.0687 J	<0.06	0.0834 J
pH_Field	SU	7.5	7.37	7.26	7.49	7.33	7.47	7.33	7.21	7.33	7.43	6.7
Sulfate	mg/L	180	160	170	--	160	150	212	180	196	175	124
TDS	mg/L	460	485	488	--	477	467	522	460	497	500	409
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	0.00151 J	<0.001	--	<0.001	<0.001	<0.001	<0.001	0.00129 J	<0.001	<0.001	0.000184 J
Barium	mg/L	0.0359	0.0396	--	0.034	0.043	0.0353	0.0471	0.0458	0.0439	0.0406	0.0352
Beryllium	mg/L	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	<0.0002	<0.0002	--	<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	<0.002	<0.002	0.000307 J
Cobalt	mg/L	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000333
Combined Radium	pCi/L	--	0.344 U	--	0.452 U	0.185 U	0.568	0.503	0.165 U	0.693	0.41 U	0.365 U
Lead	mg/L	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<6.8e-005
Lithium	mg/L	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007105
Mercury	mg/L	<0.00025	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0684	0.0637	--	0.0789	0.0638	0.0698	0.0703	0.0895	0.0691	0.0677	0.0456

Notes: *Highlighted Cells have a value greater than GWPS

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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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS											
		GN-AP-MW-22			GN-AP-MW-17SV								GN-AP-
		09/27/2021	05/03/2022	08/30/2022	09/18/2019	02/26/2020	07/23/2020	04/06/2021	09/29/2021	04/20/2022	08/31/2022	05/07/2019	
Appendix III													
Boron	mg/L	1.43	1	1.01	2.51	2.55	2.4	2.58	2.53	2.6	2.61	--	
Calcium	mg/L	78.9	66.7	83.7	101	87.1	87	99.9	103	140	147	--	
Chloride	mg/L	28.6	14.8	15.3	29.6	28.8	27.9	34.4	41.9	59.6	84.6	--	
Fluoride	mg/L	0.0934 J	0.0819 J	<0.06	0.12	0.124	0.131	0.129	0.12	0.0941 J	0.0679 J	0.101	
pH_Field	SU	7.23	7.21	7.17	7.13	7.55	7.54	7.56	7.61	7.63	7.66	7.11	
Sulfate	mg/L	122	74.2	77.9	260	302	276	297	304	323	307	--	
TDS	mg/L	385	308	296	499	495	513	572	568	636	682	--	
Appendix IV													
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	--	
Arsenic	mg/L	0.000175 J	9.26e-005 J	<8.1e-005	0.00215 J	0.00199 J	0.00191 J	0.00217	0.00207	0.00183	0.00203	--	
Barium	mg/L	0.0351	0.0277	0.0284	0.0667	0.066	0.0673	0.0751	0.0826	0.0922	0.101	--	
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<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	<0.0003	0.000173 J	0.000104 J	0.000175 J	7.91e-005 J	--	
Chromium	mg/L	0.000309 J	0.00026 J	<0.000203	<0.002	<0.002	<0.002	0.000346 J	0.000268 J	0.000268 J	0.000209 J	--	
Cobalt	mg/L	0.00028	0.000146 J	<6.8e-005	0.00327 J	0.00265 J	0.00251 J	0.00202	0.00206	0.00247	0.00159	--	
Combined Radium	pCi/L	0.892 U	0.617 U	0.759 U	1.56	0.489 U	1.26 U	1.13	1.23	1.72	1.62	--	
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	7.26e-005 J	<6.8e-005	--	
Lithium	mg/L	<0.007105	<0.007105	<0.007105	0.129	0.193	0.153	0.251	0.196	0.227	0.255	--	
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	--	
Molybdenum	mg/L	0.0383	0.0342	0.0418	0.801	1.02	0.968	1.26	1.11	1.17	1.12	--	

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20SV							GN-AP-MW-20V			
		09/18/2019	02/25/2020	07/22/2020	04/12/2021	09/28/2021	04/20/2022	08/30/2022	09/18/2019	02/25/2020	07/22/2020	04/12/2021
Appendix III												
Boron	mg/L	2.28	2.27	2.64	3.13	2.94	2.92	2.89	2.91	2.92	2.79	3.05
Calcium	mg/L	128	123	132	132	135	139	166	124	124	119	121
Chloride	mg/L	14.7	17.8	23.1	19.2	18	18	16.8	15.9	16.4	18.5	24.4
Fluoride	mg/L	0.0879 J	0.0976 J	0.0955 J	0.108	0.0942 J	0.0672 J	0.0779 J	0.0523 J	0.0724 J	<0.06	0.0733 J
pH_Field	SU	7.14	7.16	7.18	7.02	6.87	7.1	6.7	8.32	8.31	8.25	8.14
Sulfate	mg/L	379	470	432	421	423	441	400	481	599	507	499
TDS	mg/L	680	708	744	768	740	748	758	784	802	814	844
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	0.00253 J	0.00243 J	0.0042 J	0.00339	0.00296	0.00228	0.00216	<0.001	<0.001	0.00105 J	0.002
Barium	mg/L	0.0982	0.0912	0.12	0.127	0.132	0.12	0.126	0.0241	0.0239	0.0242	0.0273
Beryllium	mg/L	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003	<0.0003	<6.8e-005
Chromium	mg/L	<0.002	<0.002	<0.002	0.000305 J	0.0003 J	0.000241 J	<0.000203	<0.002	<0.002	<0.002	0.000634 J
Cobalt	mg/L	0.00207 J	<0.002	<0.002	0.000454	0.00054	0.000553	0.00045	<0.002	<0.002	<0.002	<6.8e-005
Combined Radium	pCi/L	1.14	0.925	1.46	1.51	2.92	2.27	2.08	2.02	1.78	1.7	2.14
Lead	mg/L	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	0.000444	<0.001	<0.001	<0.001	0.000234
Lithium	mg/L	0.0108 J	0.0117 J	<0.01	0.00768 J	0.00723 J	0.00723 J	0.00837 J	0.0399	0.0421	0.0423	0.0463
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.264	0.257	0.147	0.146	0.147	0.174	0.177	0.271	0.281	0.288	0.311

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20V			GN-AP-MW-17V							GN-AP-
		09/28/2021	04/19/2022	08/29/2022	09/17/2019	02/26/2020	07/23/2020	04/06/2021	09/29/2021	04/26/2022	08/31/2022	09/16/2019
Appendix III												
Boron	mg/L	2.94	3.05	3.06	2.07	2.22	1.93	2.16	2.03	2.13	2.11	1.38
Calcium	mg/L	127	140	154	94	66.6	62	72.8	71.5	104	100	38.7
Chloride	mg/L	23.4	21.9	19.3	30.8	27.2	27	34.5	39.2	71.5	70.2	23.5
Fluoride	mg/L	0.0697 J	<0.06	0.0767 J	0.0925 J	0.101	0.0891 J	0.0995 J	0.0713 J	<0.06	<0.06	0.0935 J
pH_Field	SU	8.03	8.11	8.08	8.66	8.84	8.49	8.6	8.3	8.39	8.27	8.32
Sulfate	mg/L	528	501	495	243	288	254	288	283	287	268	137
TDS	mg/L	850	854	878	458	467	457	525	509	578	588	275
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008
Arsenic	mg/L	0.00222	0.00298	0.00278	0.00136 J	0.00123 J	0.00128 J	0.00122	0.0015	0.00116	0.00119	0.00111 J
Barium	mg/L	0.0312	0.0288	0.0342	0.0475	0.0547	0.0424	0.0491	0.0502	0.0551	0.0595	0.0503
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006
Cadmium	mg/L	<6.8e-005	7.02e-005 J	<6.8e-005	<0.0003	<0.0003	<0.0003	0.000249	0.000167 J	0.00024	0.00016 J	<0.0003
Chromium	mg/L	0.00155	<0.000203	0.000233 J	<0.002	<0.002	<0.002	0.000443 J	0.000331 J	0.000238 J	0.000264 J	<0.002
Cobalt	mg/L	0.000225	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	0.0001 J	<6.8e-005	6.92e-005 J	<6.8e-005	<0.002
Combined Radium	pCi/L	2.87	3.27	3.72	6.44	5.34	8.21	10.9	11	11.6	11	3.26
Lead	mg/L	0.000718	8.78e-005 J	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001
Lithium	mg/L	0.0451	0.0416	0.0463	0.432	0.465	0.405	0.522	0.467	0.505	0.536	0.312
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.324	0.338	0.34	1.73	1.89	1.99	2.22	2.12	2.06	2.12	0.625

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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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-16V						GN-AP-MW-23D				
		02/25/2020	07/28/2020	04/05/2021	09/28/2021	04/27/2022	08/30/2022	09/18/2019	02/19/2020	07/21/2020	04/06/2021	09/21/2021
Appendix III												
Boron	mg/L	1.4	1.34	1.39	1.37	1.38	1.4	1.42	1.54	1.42	1.46	1.46
Calcium	mg/L	38.8	38.6	40.4	42.3	49.3	65.5	41.9	61.5	37.8	34.3	51.9
Chloride	mg/L	25.1	20.7	19.8	23.3	30.8	31.8	60.7	64	65.3	58.7	55.7
Fluoride	mg/L	0.0992 J	0.0811 J	0.136	0.0851 J	<0.06	0.0733 J	0.0623 J	<0.05	0.0713 J	0.105	0.0903 J
pH_Field	SU	8.61	8.09	8.54	8.59	8.45	8.94	7.72	7.92	7.63	7.89	8.08
Sulfate	mg/L	146	137	150	177	173	157	102	119	51.1	33.5	80.7
TDS	mg/L	288	274	289	297	318	343	378	436	331	309	377
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	0.000804 J	<0.0008	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	0.00105 J	0.00117 J	0.00117	0.0012	0.00118	0.000994	0.00255 J	<0.001	0.00175 J	0.0022	0.00102
Barium	mg/L	0.0507	0.052	0.0482	0.0547	0.0557	0.063	0.027	0.052	0.0336	0.0353	0.0577
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<0.0003	<0.0003	8.25e-005 J	8.11e-005 J	9.83e-005 J	7.98e-005 J	<0.0003	<0.0003	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	0.00044 J	0.00033 J	0.000246 J	<0.000203	<0.002	<0.002	<0.002	0.000305 J	0.000431 J
Cobalt	mg/L	<0.002	<0.002	0.000888	0.000872	0.000985	0.00108	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	2.46	2.99	2.4	3.09	2.56	2.99	0.0448 U	0.384 U	0.608	0.312 U	0.618 U
Lead	mg/L	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	7.63e-005 J	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.318	0.307	0.319	0.318	0.339	0.35	<0.01	<0.01	<0.01	<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	<0.0003	<0.0003
Molybdenum	mg/L	0.629	0.628	0.614	0.653	0.696	0.686	0.0054 J	0.0077 J	0.00231 J	0.00163	0.00537

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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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-23D		GN-AP-MW-32V						GN-AP-MW-33V		
		04/20/2022	09/07/2022	10/22/2019	02/26/2020	07/20/2020	03/30/2021	09/27/2021	04/26/2022	09/06/2022	10/23/2019	02/25/2020
Appendix III												
Boron	mg/L	1.46	1.37	0.489	0.446	0.369	0.399	0.401	0.417	0.41	0.309	0.337
Calcium	mg/L	34.4	33.2	39.8	43.5	69.3	60.5	59.6	56	67.1	59	56.6
Chloride	mg/L	56.9	52.7	19.1	20.1	43.1	45.3	38.1	35.9	30.3	18.6	29.2
Fluoride	mg/L	<0.06	0.0739 J	0.127	0.143	0.169	0.216	0.245	0.16	0.165	0.181	0.235
pH_Field	SU	7.86	7.93	8.49	8.01	7.42	7.86	8.14	7.84	7.83	7.59	7.72
Sulfate	mg/L	42.6	44.6	125	119	169	144	150	130	132	72.7	55.5
TDS	mg/L	320	313	292	315	521	483	447	433	398	334	353
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008
Arsenic	mg/L	0.00196	0.00168	0.00197 J	0.00438 J	<0.001	0.0046	0.00523	0.00424	0.00439	0.00358 J	0.00476 J
Barium	mg/L	0.0409	0.0426	0.0331	0.0489	0.0555	0.0584	0.0631	0.0584	0.0622	0.0459	0.0549
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003
Chromium	mg/L	0.000293 J	<0.000203	<0.002	<0.002	<0.002	0.000277 J	0.000288 J	0.000203 J	<0.000203	<0.002	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002
Combined Radium	pCi/L	0.757 U	0.81 U	0.94	1.42	1.4	1.47	1.64	1.83	2.26	1.09	0.967
Lead	mg/L	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001
Lithium	mg/L	<0.007105	<0.007105	0.0757	0.0717	0.0659	0.07	0.0706	0.0637	0.0648	0.128	0.164
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.00108	0.00138	0.273	0.259	0.0857	0.0352	0.0407	0.0332	0.026	0.196	0.126

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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-33V					GN-AP-MW-34V					
		07/21/2020	03/30/2021	09/22/2021	04/26/2022	09/06/2022	10/22/2019	02/19/2020	07/21/2020	03/30/2021	09/29/2021	04/27/2022
Appendix III												
Boron	mg/L	0.247	0.231	0.145	0.131	0.137	2.65	2.82	2.69	2.85	2.81	2.93
Calcium	mg/L	46.8	45.8	40.4	51.8	55.2	119	124	121	122	118	125
Chloride	mg/L	27.7	27	21.6	18.8	23.9	18.3	17.5	18.1	19	19.7	19
Fluoride	mg/L	0.313	0.29	0.363	0.177	0.245	0.193	0.13	0.118	0.106	0.136	<0.06
pH_Field	SU	7.51	7.82	7.78	7.42	7.65	8.14	8.09	7.98	7.88	8.44	7.86
Sulfate	mg/L	24.4	17.4	36	36.8	25.9	486	492	496	452	496	484
TDS	mg/L	333	329	354	303	313	820	802	816	810	844	788
Appendix IV												
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	0.0111	0.00882	0.0209	0.011	0.0122	0.00302 J	0.00393 J	0.00401 J	0.00303	0.00231	0.00339
Barium	mg/L	0.0654	0.0593	0.064	0.0461	0.0629	0.0559	0.0576	0.0477	0.0392	0.041	0.0376
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	0.000264 J	0.000227 J	0.000219 J	0.000279 J	<0.002	<0.002	<0.002	0.000281 J	0.000319 J	<0.000203
Cobalt	mg/L	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	1.34	1.41	1.67	1.21	1.8	0.822	0.991	1.28	0.371 U	1.81	1.22
Lead	mg/L	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	0.127	0.12	0.0901	0.0711	0.0777	0.0329	0.038	0.0378	0.0396	0.0365	0.0396
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0306	0.0174	0.0124	0.0192	0.00837	0.315	0.344	0.352	0.273	0.209	0.285

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-	GN-AP-MW-31VR						GN-AP-MW-36V			
		09/07/2022	04/29/2020	07/27/2020	04/05/2021	09/29/2021	04/27/2022	08/31/2022	04/29/2020	07/20/2020	03/30/2021	09/22/2021
Appendix III												
Boron	mg/L	2.93	0.204	0.157	0.171	0.155	0.125	0.142	0.182	0.222	0.208	0.18
Calcium	mg/L	129	56.5	41.5	33.1	30.2	41	57.7	39.1	43.3	33.7	30.3
Chloride	mg/L	18.5	25.4	33	30.6	29.9	22.8	17.9	145	209	195	168
Fluoride	mg/L	0.0807 J	0.269	0.428	0.558	0.656	0.39	0.208	0.397	0.407	0.405	0.452
pH_Field	SU	7.45	7.68	7.97	8.19	8.47	7.71	7.76	8.05	8.07	8.11	7.93
Sulfate	mg/L	471	93.9	49.6	21.7	13.7	24.1	35.3	214	259	199	192
TDS	mg/L	802	373	361	319	309	272	284	742	896	767	673
Appendix IV												
Antimony	mg/L	<0.000508	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	0.0031	0.00315 J	0.00185 J	0.00359	0.00475	0.00989	0.00543	0.00178 J	<0.001	0.00131	0.00172
Barium	mg/L	0.0345	0.0364	0.0318	0.0267	0.0281	0.0289	0.0301	0.0831	0.0841	0.0792	0.0847
Beryllium	mg/L	<0.000406	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406	<0.000406
Cadmium	mg/L	<6.8e-005	<0.0003	<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	<0.000203	<0.002	<0.002	0.000397 J	0.000257 J	<0.000203	0.000231 J	<0.002	<0.002	0.000287 J	0.000286 J
Cobalt	mg/L	<6.8e-005	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	1.18	0.35 U	0.288 U	0.716 U	0.463 U	0.735 U	0.888 U	1.42	1.54	1.83	1.95
Lead	mg/L	<6.8e-005	<0.001	<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	0.0359	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	0.0284	0.0358	0.0297	0.0246
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.309	0.0456	0.0199	0.0133	0.0129	0.0199	0.0314	0.0994	0.0698	0.0663	0.0506

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-36V		GN-AP-MW-35V						GN-AP-MW-37V		
		04/26/2022	09/06/2022	04/29/2020	07/21/2020	03/30/2021	09/29/2021	04/27/2022	09/07/2022	04/29/2020	07/20/2020	03/30/2021
Appendix III												
Boron	mg/L	0.162	0.144	0.184	0.148	0.143	0.117	0.22	0.205	0.317	0.393	0.526
Calcium	mg/L	28.8	25.4	50	43.7	38.8	37.6	54.7	40.6	44.9	40.6	40.1
Chloride	mg/L	137	123	5.78	8.95	11.3	11.3	8.01	7.9	12.9	12.4	13.1
Fluoride	mg/L	0.436	0.421	0.141	0.157	0.187	0.223	0.0993 J	0.129	0.164	0.158	0.169
pH_Field	SU	8.03	7.96	7.71	7.69	7.91	7.83	8	7.96	7.94	7.8	8.04
Sulfate	mg/L	165	155	39	43.4	39.4	38.5	37.3	38.6	99.9	94.9	97.3
TDS	mg/L	596	584	227	249	252	275	255	256	273	252	262
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.000507
Arsenic	mg/L	0.00212	0.00268	<0.001	0.00222 J	0.00223	0.00232	0.00212	0.00251	0.0042 J	0.00169 J	0.000664
Barium	mg/L	0.0894	0.0925	0.0163	0.0199	0.0184	0.019	0.0164	0.018	0.0336	0.0352	0.0355
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.000406
Cadmium	mg/L	<6.8e-005	<6.8e-005	<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	<0.000203	<0.000203	<0.002	<0.002	0.000237 J	0.00023 J	<0.000203	<0.000203	<0.002	<0.002	0.000245 J
Cobalt	mg/L	<6.8e-005	<6.8e-005	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<6.8e-005
Combined Radium	pCi/L	1.32	1.93	0.455 U	0.537	0.768 U	1.27	1 U	1 U	3.65	4.06	4.78
Lead	mg/L	<6.8e-005	<6.8e-005	<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	0.018 J	0.016 J	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	0.0377	0.0522	0.0615
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0459	0.0412	0.0266	0.0268	0.0205	0.0199	0.0109	0.0116	0.208	0.213	0.227

Notes: *Highlighted Cells have a value greater than GWPS

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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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-37V			GN-AP-MW-29H							GN-AP-
		09/27/2021	04/26/2022	09/06/2022	09/17/2019	02/25/2020	07/29/2020	04/05/2021	09/28/2021	04/26/2022	08/31/2022	09/16/2019
Appendix III												
Boron	mg/L	0.51	0.434	0.41	1.18	1.21	1.16	1.2	1.16	1.21	1.17	0.805
Calcium	mg/L	40.1	41.1	39.3	48.5	46.8	43.9	44.7	46.9	48.1	55.7	46.7
Chloride	mg/L	13.6	14.1	14.3	20.5	25.5	25.5	25.2	26.8	29.6	32.8	15.6
Fluoride	mg/L	0.187	0.152	0.235	0.0669 J	0.0683 J	0.0608 J	0.078 J	0.0614 J	<0.06	<0.06	0.0768 J
pH_Field	SU	7.88	7.9	7.96	8.44	8.48	8.38	8.16	8.58	8.29	8.32	8.22
Sulfate	mg/L	104	91.3	84.7	161	177	163	168	172	180	170	126
TDS	mg/L	249	250	249	331	330	328	345	340	359	371	276
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008
Arsenic	mg/L	0.000484	0.000782	0.000665	0.00222 J	0.00235 J	0.00237 J	0.00227	0.00222	0.0021	0.00217	0.0036 J
Barium	mg/L	0.0367	0.0353	0.0376	0.0567	0.0581	0.0549	0.0577	0.0597	0.0604	0.0678	0.0321
Beryllium	mg/L	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0003	<0.0003	<6.8e-005	0.000153 J	7.27e-005 J	9e-005 J	<0.0003
Chromium	mg/L	0.000379 J	<0.000203	<0.000203	<0.002	<0.002	<0.002	0.000293 J	0.000332 J	0.000242 J	0.000363 J	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002
Combined Radium	pCi/L	4	4.41	3.92	13.2	13.7	16.2	18.7	16.8	17.9	17	4.63
Lead	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001
Lithium	mg/L	0.061	0.0471	0.0429	0.289	0.307	0.303	0.323	0.302	0.309	0.326	0.141
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.221	0.181	0.152	1.04	1.09	0.999	1.01	1.01	1.06	1.06	0.469

Notes: *Highlighted Cells have a value greater than GWPS

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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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-28H						GN-AP-MW-23S				
		02/25/2020	07/29/2020	04/05/2021	09/28/2021	04/27/2022	08/31/2022	09/17/2019	02/19/2020	07/21/2020	04/06/2021	09/21/2021
Appendix III												
Boron	mg/L	0.789	0.779	0.796	0.788	0.796	0.804	0.735	1.2	0.743	0.672	0.541
Calcium	mg/L	42.6	39.6	39.9	39.7	44.8	47.7	66.8	73.5	64.2	55.2	48.9
Chloride	mg/L	16.9	17.5	17.2	18.3	19.8	20.3	44.7	42	45	30.7	20.6
Fluoride	mg/L	0.0778 J	0.067 J	0.0933 J	0.0653 J	<0.06	<0.06	0.0892 J	0.0647 J	0.0903 J	0.109	0.105
pH_Field	SU	8.32	8.3	7.91	8.38	7.83	8.17	6.88	7.36	7.28	7.23	7.27
Sulfate	mg/L	134	134	133	133	139	128	67.1	69.4	59.8	46.3	39.6
TDS	mg/L	276	278	287	269	282	298	342	357	318	280	246
Appendix IV												
Antimony	mg/L	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508
Arsenic	mg/L	0.00352 J	0.0032 J	0.00321	0.0028	0.00258	0.00263	<0.001	<0.001	<0.001	0.00026	0.000169 J
Barium	mg/L	0.0304	0.0305	0.0309	0.0345	0.0317	0.035	0.0316	0.0443	0.0312	0.0282	0.0229
Beryllium	mg/L	<0.0006	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<0.0006	<0.000406	<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	<0.0003	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	<0.002	0.000648 J	0.000319 J	0.000498 J	0.00024 J	<0.002	<0.002	<0.002	0.000261 J	0.000306 J
Cobalt	mg/L	<0.002	<0.002	0.000304	0.000192 J	0.000349	0.000154 J	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005
Combined Radium	pCi/L	5.25	7.14	6.64	6.47	5.85	6.83	0.732	0.752	0.566	1 U	0.337 U
Lead	mg/L	<0.001	<0.001	0.000129 J	<6.8e-005	9.29e-005 J	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005
Lithium	mg/L	0.14	0.147	0.148	0.142	0.14	0.15	<0.01	<0.01	<0.01	<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	<0.0003	<0.0003
Molybdenum	mg/L	0.464	0.483	0.471	0.491	0.489	0.489	0.0142	0.0274	0.0181	0.0175	0.0146

Notes: *Highlighted Cells have a value greater than GWPS

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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-23S		GN-AP-MW-26						GN-AP-MW-27		
		04/20/2022	09/07/2022	09/18/2019	02/19/2020	07/22/2020	04/07/2021	09/22/2021	04/20/2022	08/29/2022	09/18/2019	02/25/2020
Appendix III												
Boron	mg/L	0.584	0.393	1.33	1.34	1.18	1.16	1.13	1.03	1.01	1.23	0.352
Calcium	mg/L	62.9	48.5	81.8	73.7	67.7	69.3	68	73.2	75.7	81.7	31.5
Chloride	mg/L	23.8	18.9	41.5	43.2	37	40.3	29.7	22.3	20	56.7	22.1
Fluoride	mg/L	<0.06	<0.06	<0.05	<0.05	<0.06	0.0741 J	0.0852 J	<0.06	<0.06	0.0618 J	0.0554 J
pH_Field	SU	6.43	7.26	7.49	7.54	7.42	7.57	7.76	6.87	7.27	6.68	6.7
Sulfate	mg/L	40.1	30	142	143	131	124	118	93.7	86.9	120	26.5
TDS	mg/L	276	235	433	423	406	406	379	354	349	412	173
Appendix IV												
Antimony	mg/L	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008
Arsenic	mg/L	0.000175 J	0.000255	<0.001	<0.001	<0.001	0.000148 J	0.000117 J	0.000116 J	8.52e-005 J	<0.001	<0.001
Barium	mg/L	0.0254	0.0204	0.0192	0.0166	0.0174	0.0177	0.0179	0.0171	0.0177	0.04	0.0149
Beryllium	mg/L	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0003	<0.0003
Chromium	mg/L	0.000256 J	<0.000203	<0.002	<0.002	<0.002	0.0003 J	0.000325 J	0.000218 J	0.000369 J	<0.002	<0.002
Cobalt	mg/L	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002
Combined Radium	pCi/L	0.419 U	0.519 U	0.976	0.475 U	0.713	0.472 U	1.2 U	0 U	0.373 U	1.01	0.269 U
Lead	mg/L	<6.8e-005	6.87e-005 J	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001
Lithium	mg/L	<0.007105	<0.007105	<0.01	<0.01	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.01	<0.01
Mercury	mg/L	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Molybdenum	mg/L	0.0172	0.0148	<0.002	<0.002	0.0027 J	0.00202	0.00244	0.00235	0.00278	0.0187	0.00511 J

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-27					GN-AP-MW-30H					
		07/21/2020	04/06/2021	09/21/2021	05/02/2022	09/06/2022	10/22/2019	02/19/2020	07/23/2020	04/06/2021	09/29/2021	05/02/2022
Appendix III												
Boron	mg/L	0.658	0.214	0.129	0.178	0.164	0.0484 J	0.0595 J	0.0482 J	0.0485 J	0.0481 J	0.049 J
Calcium	mg/L	54.3	25.9	22.3	29.5	29.5	89.1	83.8	79.1	78	78.8	90.7
Chloride	mg/L	35	17.4	13	13	13.6	32.3	31.5	30.4	34.4	31.9	31.7
Fluoride	mg/L	0.0959 J	0.0752 J	<0.06	0.0641 J	<0.06	0.187	0.236	0.17	0.193	0.19	0.152
pH_Field	SU	6.9	6.26	6.58	6.74	6.99	7.18	7.22	7.07	7.15	7.73	7.14
Sulfate	mg/L	69.6	18.3	12.1	14.6	12	23.4	43.2	35.3	37.8	28.7	25.1
TDS	mg/L	288	143	114	146	150	396	463	440	426	415	412
Appendix IV												
Antimony	mg/L	<0.0008	<0.000507	<0.000508	<0.000508	<0.000508	<0.0008	<0.0008	<0.0008	<0.000507	<0.000508	<0.000508
Arsenic	mg/L	<0.001	0.000159 J	0.000182 J	0.000108 J	0.000198 J	0.00169 J	0.00651	0.00536	0.00801	0.00696	0.00548
Barium	mg/L	0.0251	0.0151	0.0139	0.0167	0.0148	0.0702	0.109	0.0899	0.082	0.0813	0.0734
Beryllium	mg/L	<0.0006	<0.000406	<0.000406	<0.000406	<0.000406	<0.0006	<0.0006	<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	<0.0003	<0.0003	<6.8e-005	<6.8e-005	<6.8e-005
Chromium	mg/L	<0.002	0.000362 J	0.000274 J	0.000274 J	<0.000203	<0.002	<0.002	<0.002	0.000317 J	0.000384 J	0.000211 J
Cobalt	mg/L	<0.002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.002	<0.002	<0.002	0.00127	0.00112	0.00125
Combined Radium	pCi/L	0.488 U	0.21 U	0 U	0.305 U	0.427 U	1.13	0.994	2.13	1.8	1.7	0.758 U
Lead	mg/L	<0.001	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.001	<0.001	<0.001	<6.8e-005	<6.8e-005	<6.8e-005
Lithium	mg/L	<0.01	<0.007105	<0.007105	<0.007105	<0.007105	<0.01	0.0107 J	<0.01	<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	<0.0003	<0.0003
Molybdenum	mg/L	0.0141	0.00355	0.00298	0.00564	0.00685	0.00346 J	0.00389 J	0.00248 J	0.00231	0.00213	0.00188

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-	GN-AP-MW-1									
		08/31/2022	03/29/2016	03/30/2016	05/19/2016	07/12/2016	09/13/2016	11/15/2016	02/28/2017	05/23/2017	06/19/2017	08/15/2017
Appendix III												
Boron	mg/L	0.0509 J	<0.02	--	<0.02	<0.02	<0.02	0.0246 J	<0.02	<0.02	<0.02	<0.02
Calcium	mg/L	93	45.6	--	49.7	53.8	53.5	55.1	55.3	55.7	55.1	57
Chloride	mg/L	28.9	2.16	--	2.11	2.93	2.91	2.72	3.5	3.7	3.2	2.9
Fluoride	mg/L	0.131	0.058 J	--	0.093 J	0.092 J	0.045 J	<0.01	0.07 J	0.08 J	0.08 J	0.08 J
pH_Field	SU	7.17	7.39	--	7.35	7.46	7.43	7.42	7.36	7.33	7.34	7.31
Sulfate	mg/L	25.9	15.9	--	18	24.6	11.6	9.07	10	16	13	16
TDS	mg/L	411	274	--	270	289	275	258	291	260	270	284
Appendix IV												
Antimony	mg/L	<0.000508	0.00112 J	--	0.000818 J	<0.0006	<0.0006	<0.0006	0.000622 J	<0.0006	<0.0006	--
Arsenic	mg/L	0.00362	0.00412 J	--	0.00313 J	0.00459 J	0.00531	0.00571	0.00766	0.00528	0.00513	--
Barium	mg/L	0.0742	0.017	--	0.0161	0.02	0.0176	0.02	0.0247	0.0187	0.0172	--
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	0.00025 J	0.00233 J	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Cobalt	mg/L	0.00121	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Combined Radium	pCi/L	1.91	1 U	1 U	0.949	0.73	0.948	1.28	0.232 U	--	1.02	--
Lead	mg/L	8.39e-005 J	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Lithium	mg/L	<0.007105	0.0182 J	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
Mercury	mg/L	<0.0003	<0.00025	--	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	--
Molybdenum	mg/L	0.00223	0.0463	--	0.0326	0.0164	0.0072 J	0.00598 J	0.00869 J	0.0132	0.0128	--

Notes: *Highlighted Cells have a value greater than GWPS

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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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-1						GN-AP-MW-2				
		01/10/2018	04/17/2018	10/01/2018	04/01/2019	05/09/2019	09/17/2019	03/28/2016	05/18/2016	07/11/2016	09/14/2016	11/16/2016
Appendix III												
Boron	mg/L	--	0.0459 J	<0.02	<0.03	--	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/L	--	56.4	57.2	59.2	--	60.7	34.2	32.6	32.5	32.1	33.4
Chloride	mg/L	--	3.3	2.3	4.75	--	4.14	1.73	1.4	1.73	2.24	3.57
Fluoride	mg/L	0.08 J	0.08 J	0.1	0.0791 J	--	0.0876 J	0.028 J	0.064 J	0.054 J	0.016 J	<0.01
pH_Field	SU	7.36	7.24	7.36	7.41	7.33	7.62	7.79	7.73	7.99	7.75	7.64
Sulfate	mg/L	--	20	23	33.1	--	28.3	2.09	1.92	3.41	4.94	10.5
TDS	mg/L	--	263	270	294	302	285	138	156	167	166	192
Appendix IV												
Antimony	mg/L	<0.0006	<0.0006	<0.0008	0.0013 J	--	<0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Arsenic	mg/L	0.00565	0.00762	0.00529	0.00679	--	0.00422 J	<0.001	<0.001	<0.001	<0.001	0.00105 J
Barium	mg/L	0.0195	0.024	0.0225	0.0266	--	0.0282	0.00887 J	0.00816 J	0.0096 J	0.00964 J	0.0247
Beryllium	mg/L	<0.0006	<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	--	<0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	0.00439 J	<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	<0.002
Combined Radium	pCi/L	0.707	0.467 U	0.864	0.564	--	0.43 U	1 U	0.142 U	0.279 U	0.205 U	0.373 U
Lead	mg/L	<0.001	<0.001	<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	<0.01	<0.01
Mercury	mg/L	<0.00025	<0.00025	<0.00025	<0.0003	--	<0.0003	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Molybdenum	mg/L	0.0153	0.0124	0.0131	0.0191	--	0.017	0.00274 J	<0.002	<0.002	<0.002	0.00215 J

Notes: *Highlighted Cells have a value greater than GWPS

1. mg/L - Milligrams per Liter
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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GN-AP-MW-2								
		03/01/2017	05/23/2017	06/19/2017	08/15/2017	01/10/2018	04/19/2018	10/03/2018	04/01/2019	09/18/2019
Appendix III										
Boron	mg/L	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.02	<0.03	<0.03
Calcium	mg/L	33.3	32.7	32.6	31.5	--	34.2	38.6	35.8	35
Chloride	mg/L	3.4	2.4	1.9 J	5.4	--	1.8 J	<1.4	1.36	1.53
Fluoride	mg/L	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	0.04 J	<0.05	<0.05
pH_Field	SU	7.65	7.67	7.65	7.69	7.8	7.54	7.68	7.76	7.69
Sulfate	mg/L	5.1	2.3 J	2.1 J	1.7 J	--	<1.4	1.7 J	1.87	2.39
TDS	mg/L	186	158	156	168	--	154	156	160	154
Appendix IV										
Antimony	mg/L	0.00062 J	<0.0006	<0.0006	--	<0.0006	<0.0006	<0.0008	0.000946 J	<0.0008
Arsenic	mg/L	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	0.0282	0.0187	0.0164	--	0.0149	0.0147	0.0131	0.0116	0.0118
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	0.217 U	--	0.357 U	--	0.239 U	-0.125 U	0.185 U	0.162 U	-0.0854 U
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	<0.0003	<0.0003
Molybdenum	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002

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1. mg/L - Milligrams per Liter
2. pCi/L - picocuries per Liter
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-3										
		03/28/2016	05/17/2016	07/11/2016	09/14/2016	11/16/2016	03/01/2017	05/23/2017	06/19/2017	08/15/2017	01/10/2018	04/19/2018
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--	<0.002	<0.002
Thallium	mg/L	0.000648 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-3									GN-AP-MW-38	
		10/03/2018	04/02/2019	09/17/2019	02/19/2020	07/27/2020	04/05/2021	09/27/2021	05/03/2022	08/30/2022	04/12/2021	09/21/2021
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.000507	<0.000508
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000203 J	8.13e-005 J	0.000323	0.000709	<6.8e-005	<6.8e-005

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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 than the PQL with a J.
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-38		GN-AP-MW-39				GN-AP-MW-40				GN-AP-
		04/19/2022	08/29/2022	04/12/2021	09/21/2021	04/19/2022	08/29/2022	04/12/2021	09/21/2021	04/19/2022	08/29/2022	04/12/2021
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.000507	<0.000508	<0.000508	<0.000508	<0.000507	<0.000508	<0.000508	<0.000508	<0.000507
Thallium	mg/L	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than the PQL with a J.
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-41			GN-AP-MW-42				GN-AP-MW-4			
		09/21/2021	04/19/2022	08/29/2022	04/13/2021	09/21/2021	04/19/2022	08/29/2022	03/30/2016	05/17/2016	07/11/2016	09/14/2016
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.000507	<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	0.00015 J	<6.8e-005	7.2e-005 J	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-4										
		11/16/2016	02/28/2017	05/24/2017	06/21/2017	08/15/2017	01/10/2018	04/19/2018	10/03/2018	04/02/2019	09/17/2019	02/18/2020
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-4					GN-AP-MW-5					
		07/27/2020	04/05/2021	09/27/2021	05/02/2022	08/30/2022	03/30/2016	05/23/2016	07/14/2016	09/13/2016	11/15/2016	03/01/2017
Appendix IV												
Selenium	mg/L	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-5										
		05/23/2017	06/20/2017	08/15/2017	01/09/2018	04/17/2018	10/01/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021
Appendix IV												
Selenium	mg/L	<0.002	<0.002	--	<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	<0.0002	<0.0002	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-5			GN-AP-MW-6							
		09/27/2021	05/03/2022	08/30/2022	03/30/2016	05/19/2016	07/13/2016	09/13/2016	11/15/2016	03/01/2017	05/23/2017	06/20/2017
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<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	<0.0002	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-6										
		08/15/2017	01/10/2018	04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021	09/27/2021	05/03/2022
Appendix IV												
Selenium	mg/L	--	<0.002	<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	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-	GN-AP-MW-7									
		08/30/2022	03/30/2016	05/19/2016	07/13/2016	09/13/2016	11/15/2016	03/01/2017	05/23/2017	06/20/2017	08/15/2017	01/10/2018
Appendix IV												
Selenium	mg/L	<0.000508	<0.002	<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	--	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-7										GN-AP-
		04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021	09/27/2021	05/03/2022	08/30/2022	03/29/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<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	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-8										
		05/23/2016	07/12/2016	09/13/2016	11/15/2016	02/28/2017	05/24/2017	06/20/2017	08/15/2017	01/10/2018	04/17/2018	10/01/2018
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-8								GN-AP-MW-9		
		04/01/2019	09/17/2019	02/25/2020	07/29/2020	04/06/2021	09/21/2021	05/02/2022	08/31/2022	04/04/2016	05/23/2016	07/12/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-9										
		09/13/2016	11/15/2016	02/28/2017	05/24/2017	06/20/2017	08/16/2017	01/10/2018	04/17/2018	10/01/2018	04/01/2019	09/17/2019
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-9						GN-AP-MW-10				
		02/17/2020	07/29/2020	04/05/2021	09/21/2021	05/02/2022	08/31/2022	03/30/2016	05/17/2016	07/13/2016	09/13/2016	11/15/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-10										
		02/28/2017	05/22/2017	06/19/2017	08/14/2017	01/10/2018	04/16/2018	10/02/2018	04/03/2019	09/16/2019	02/17/2020	07/22/2020
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-10				GN-AP-MW-11						
		04/05/2021	09/21/2021	05/02/2022	08/31/2022	03/30/2016	05/18/2016	07/13/2016	09/13/2016	11/14/2016	02/28/2017	05/22/2017
Appendix IV												
Selenium	mg/L	<0.000507	<0.000508	0.000548 J	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-11										
		06/19/2017	08/14/2017	01/09/2018	04/16/2018	10/04/2018	04/03/2019	09/16/2019	02/17/2020	07/22/2020	04/05/2021	09/21/2021
Appendix IV												
Selenium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-11		GN-AP-MW-12								
		05/02/2022	09/06/2022	03/30/2016	05/18/2016	07/13/2016	09/12/2016	11/14/2016	02/28/2017	05/24/2017	06/21/2017	08/14/2017
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-12										
		01/09/2018	04/16/2018	10/04/2018	04/03/2019	09/16/2019	02/18/2020	07/27/2020	04/05/2021	09/22/2021	05/03/2022	09/06/2022
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<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	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-13										
		03/30/2016	05/18/2016	07/14/2016	09/12/2016	11/14/2016	02/28/2017	05/24/2017	06/21/2017	08/14/2017	01/09/2018	04/19/2018
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-13									GN-AP-MW-14	
		10/05/2018	04/03/2019	09/17/2019	02/19/2020	07/27/2020	04/06/2021	09/22/2021	05/02/2022	09/07/2022	03/28/2016	05/17/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002
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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-14										
		07/11/2016	09/13/2016	11/15/2016	02/27/2017	05/24/2017	06/21/2017	08/15/2017	01/09/2018	04/19/2018	10/05/2018	04/03/2019
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-14							GN-AP-MW-15R			
		09/17/2019	02/19/2020	07/23/2020	04/06/2021	09/22/2021	04/27/2022	09/06/2022	07/11/2016	08/22/2016	09/14/2016	11/15/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<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	<0.0002	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-15R										
		01/03/2017	02/27/2017	05/22/2017	06/20/2017	08/14/2017	01/09/2018	04/19/2018	10/05/2018	04/03/2019	05/07/2019	09/18/2019
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-15R						GN-AP-MW-16				
		02/25/2020	07/28/2020	04/06/2021	09/28/2021	05/02/2022	08/31/2022	03/29/2016	05/17/2016	07/14/2016	09/13/2016	11/14/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-16										
		02/28/2017	05/24/2017	06/19/2017	08/14/2017	01/09/2018	04/19/2018	10/01/2018	04/03/2019	09/16/2019	02/25/2020	07/28/2020
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-16				GN-AP-MW-17						
		04/05/2021	09/28/2021	04/27/2022	08/30/2022	03/29/2016	05/17/2016	07/14/2016	09/13/2016	11/16/2016	02/28/2017	05/24/2017
Appendix IV												
Selenium	mg/L	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-17										
		06/19/2017	08/14/2017	01/09/2018	04/19/2018	10/01/2018	04/03/2019	09/17/2019	02/26/2020	07/29/2020	04/06/2021	09/29/2021
Appendix IV												
Selenium	mg/L	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-17		GN-AP-MW-18								
		04/20/2022	08/30/2022	03/29/2016	05/17/2016	07/18/2016	09/14/2016	11/14/2016	02/28/2017	05/24/2017	06/19/2017	08/14/2017
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	--
Thallium	mg/L	7.85e-005 J	9.07e-005 J	0.000428 J	0.000343 J	0.000359 J	0.000345 J	0.000367 J	0.000359 J	0.000376 J	0.000379 J	--

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-18										
		01/09/2018	04/19/2018	10/01/2018	04/03/2019	09/18/2019	02/25/2020	07/22/2020	04/06/2021	09/28/2021	04/26/2022	08/30/2022
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508
Thallium	mg/L	0.000312 J	0.000418 J	0.000371 J	0.00034 J	0.000479 J	0.000426 J	0.000456 J	0.000389	0.000358	0.000448	0.000372

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-19										
		03/28/2016	05/18/2016	07/13/2016	09/13/2016	11/16/2016	02/27/2017	05/22/2017	06/21/2017	08/14/2017	01/10/2018	04/19/2018
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-19									GN-AP-MW-20	
		10/02/2018	04/01/2019	09/18/2019	02/18/2020	07/27/2020	04/05/2021	09/22/2021	04/19/2022	08/30/2022	03/29/2016	05/18/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002
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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20										
		07/13/2016	09/14/2016	11/14/2016	02/28/2017	05/24/2017	06/19/2017	08/14/2017	01/09/2018	04/19/2018	10/01/2018	04/03/2019
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20							GN-AP-MW-21			
		09/18/2019	02/25/2020	07/22/2020	04/12/2021	09/28/2021	04/20/2022	08/30/2022	07/13/2016	08/22/2016	09/13/2016	11/15/2016
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<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	<0.0002	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-21										
		01/03/2017	03/01/2017	05/23/2017	06/20/2017	08/15/2017	01/10/2018	04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-21					GN-AP-MW-22					
		07/28/2020	04/07/2021	09/27/2021	05/03/2022	08/30/2022	07/14/2016	08/22/2016	09/13/2016	11/15/2016	01/03/2017	03/01/2017
Appendix IV												
Selenium	mg/L	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-22										
		05/23/2017	06/20/2017	08/15/2017	01/09/2018	04/17/2018	10/04/2018	04/02/2019	09/18/2019	02/26/2020	07/28/2020	04/07/2021
Appendix IV												
Selenium	mg/L	<0.002	<0.002	--	<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	<0.0002	<0.0002	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-22			GN-AP-MW-17SV							GN-AP-
		09/27/2021	05/03/2022	08/30/2022	09/18/2019	02/26/2020	07/23/2020	04/06/2021	09/29/2021	04/20/2022	08/31/2022	05/07/2019
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.002	<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	0.000225 J	0.000254 J	0.000181 J	0.000213	0.000268	0.000107 J	--

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20SV							GN-AP-MW-20V			
		09/18/2019	02/25/2020	07/22/2020	04/12/2021	09/28/2021	04/20/2022	08/30/2022	09/18/2019	02/25/2020	07/22/2020	04/12/2021
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.000507
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	<0.0002	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-20V			GN-AP-MW-17V							GN-AP-
		09/28/2021	04/19/2022	08/29/2022	09/17/2019	02/26/2020	07/23/2020	04/06/2021	09/29/2021	04/26/2022	08/31/2022	09/16/2019
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	0.000604 J

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-16V						GN-AP-MW-23D				
		02/25/2020	07/28/2020	04/05/2021	09/28/2021	04/27/2022	08/30/2022	09/18/2019	02/19/2020	07/21/2020	04/06/2021	09/21/2021
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	0.000552 J	0.000514 J	0.000465	0.000466	0.000601	0.000625	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-23D		GN-AP-MW-32V						GN-AP-MW-33V		
		04/20/2022	09/07/2022	10/22/2019	02/26/2020	07/20/2020	03/30/2021	09/27/2021	04/26/2022	09/06/2022	10/23/2019	02/25/2020
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.000507	<0.000508	0.00127	<0.000508	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-33V					GN-AP-MW-34V					
		07/21/2020	03/30/2021	09/22/2021	04/26/2022	09/06/2022	10/22/2019	02/19/2020	07/21/2020	03/30/2021	09/29/2021	04/27/2022
Appendix IV												
Selenium	mg/L	<0.002	<0.000507	<0.000508	0.00222	<0.000508	<0.002	<0.002	<0.002	<0.000507	<0.000508	0.000733 J
Thallium	mg/L	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-	GN-AP-MW-31VR						GN-AP-MW-36V			
		09/07/2022	04/29/2020	07/27/2020	04/05/2021	09/29/2021	04/27/2022	08/31/2022	04/29/2020	07/20/2020	03/30/2021	09/22/2021
Appendix IV												
Selenium	mg/L	<0.000508	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.000507	<0.000508
Thallium	mg/L	<6.8e-005	<0.0002	<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: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-36V		GN-AP-MW-35V						GN-AP-MW-37V		
		04/26/2022	09/06/2022	04/29/2020	07/21/2020	03/30/2021	09/29/2021	04/27/2022	09/07/2022	04/29/2020	07/20/2020	03/30/2021
Appendix IV												
Selenium	mg/L	<0.000508	0.00175	<0.002	<0.002	<0.000507	<0.000508	<0.000508	0.000902 J	<0.002	<0.002	<0.000507
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-37V			GN-AP-MW-29H							GN-AP-
		09/27/2021	04/26/2022	09/06/2022	09/17/2019	02/25/2020	07/29/2020	04/05/2021	09/28/2021	04/26/2022	08/31/2022	09/16/2019
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-28H						GN-AP-MW-23S				
		02/25/2020	07/29/2020	04/05/2021	09/28/2021	04/27/2022	08/31/2022	09/17/2019	02/19/2020	07/21/2020	04/06/2021	09/21/2021
Appendix IV												
Selenium	mg/L	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.000507	0.000683 J
Thallium	mg/L	<0.0002	<0.0002	0.000149 J	0.000116 J	0.000147 J	0.000102 J	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-23S		GN-AP-MW-26						GN-AP-MW-27		
		04/20/2022	09/07/2022	09/18/2019	02/19/2020	07/22/2020	04/07/2021	09/22/2021	04/20/2022	08/29/2022	09/18/2019	02/25/2020
Appendix IV												
Selenium	mg/L	<0.000508	<0.000508	<0.002	<0.002	<0.002	<0.000507	<0.000508	<0.000508	<0.000508	<0.002	<0.002
Thallium	mg/L	<6.8e-005	<6.8e-005	<0.0002	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005	<6.8e-005	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-27					GN-AP-MW-30H					
		07/21/2020	04/06/2021	09/21/2021	05/02/2022	09/06/2022	10/22/2019	02/19/2020	07/23/2020	04/06/2021	09/29/2021	05/02/2022
Appendix IV												
Selenium	mg/L	<0.002	<0.000507	<0.000508	0.000546 J	<0.000508	<0.002	<0.002	<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	<0.0002	<0.0002	<6.8e-005	<6.8e-005	<6.8e-005

Notes: *Highlighted Cells have a value greater than GWPS

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 than the PQL with a J.
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ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-	GN-AP-MW-1									
		08/31/2022	03/29/2016	03/30/2016	05/19/2016	07/12/2016	09/13/2016	11/15/2016	02/28/2017	05/23/2017	06/19/2017	08/15/2017
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: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS										
		GN-AP-MW-1						GN-AP-MW-2				
		01/10/2018	04/17/2018	10/01/2018	04/01/2019	05/09/2019	09/17/2019	03/28/2016	05/18/2016	07/11/2016	09/14/2016	11/16/2016
Appendix IV												
Selenium	mg/L	<0.002	<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	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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.



ANALYTICAL DATA SUMMARY
Ash Pond (03/28/2016 - 09/07/2022)
APC Plant Gaston
Shelby County Alabama

Analyte	Units	GROUNDWATER MONITORING WELLS								
		GN-AP-MW-2								
		03/01/2017	05/23/2017	06/19/2017	08/15/2017	01/10/2018	04/19/2018	10/03/2018	04/01/2019	09/18/2019
Appendix IV										
Selenium	mg/L	<0.002	<0.002	<0.002	--	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	mg/L	0.000265 J	0.000239 J	0.000202 J	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Notes: *Highlighted Cells have a value greater than GWPS

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 than 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 Gaston Ash Pond
03/28/2016 - 08/29/2022

Well	Hydraulic Location	Geologic Unit	Measure Date																
			03/28/16	05/16/16	07/11/16	09/12/16	11/14/16	02/27/17	05/22/17	06/19/17	08/14/17	01/09/18	04/16/18	10/01/18	04/01/19	09/16/19	02/17/20	04/29/20	07/20/20
GN-AP-MW-3	Upgradient	Middle Knox Dolomite	431.94	432.11	429.73	432.14	431.81	432.17	433.04	433.20	433.25	432.93	433.29	433.73	430.71	428.11	432.58	430.40	426.85
GN-AP-MW-38	Upgradient	Middle Knox Dolomite																	
GN-AP-MW-39	Upgradient	Wash Creek Slate																	
GN-AP-MW-40	Upgradient	Middle Knox Dolomite																	
GN-AP-MW-41	Upgradient	Middle Knox Dolomite																	
GN-AP-MW-42	Upgradient	Middle Knox Dolomite																	

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.



Appendix B. Historical Groundwater Elevations Summary

Plant Gaston Ash Pond
03/28/2016 - 08/29/2022

Well	Hydraulic Location	Geologic Unit	Measure Date			
			03/29/21	09/20/21	04/18/22	08/29/22
GN-AP-MW-3	Upgradient	Middle Knox Dolomite	430.50	429.35	429.37	424.82
GN-AP-MW-38	Upgradient	Middle Knox Dolomite		397.70	399.35	395.47
GN-AP-MW-39	Upgradient	Wash Creek Slate		397.19	399.51	395.73
GN-AP-MW-40	Upgradient	Middle Knox Dolomite		397.39	400.42	396.12
GN-AP-MW-41	Upgradient	Middle Knox Dolomite		397.28	399.94	396.06
GN-AP-MW-42	Upgradient	Middle Knox Dolomite		397.08	399.85	396.05

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.



Appendix B. Historical Groundwater Elevations Summary

Plant Gaston Ash Pond
03/28/2016 - 08/29/2022

Well	Hydraulic Location	Geologic Unit	Measure Date																
			03/28/16	05/16/16	07/11/16	09/12/16	11/14/16	02/27/17	05/22/17	06/19/17	08/14/17	01/09/18	04/16/18	10/01/18	04/01/19	09/16/19	02/17/20	04/29/20	07/20/20
GN-AP-MW-4	Downgradient	Middle Knox Dolomite	430.53	428.25	426.02	425.20	423.27	428.82	428.34	430.38	431.53	427.56	435.31	424.26	428.29	420.57	438.60	434.34	421.16
GN-AP-MW-5	Downgradient	Upper Knox Dolomite	421.08	419.52	417.43	417.26	416.08	420.74	419.54	421.89	423.55	419.90	425.45	419.16	419.96	413.86	426.28	424.68	414.32
GN-AP-MW-6	Downgradient	Upper Knox Dolomite	417.77	417.07	416.02	415.82	415.39	417.91	417.21	418.02	418.47	417.53	419.32	416.76	417.51	413.47	419.02	418.05	412.97
GN-AP-MW-7	Downgradient	Upper Knox Dolomite	415.16	414.16	410.16	409.45	407.55	415.11	413.72	415.21	415.14	414.44	416.34	412.00	415.41	407.47	416.58	415.95	411.23
GN-AP-MW-8	Downgradient	Middle Knox Dolomite	416.93	416.49	410.20	409.65	405.81	416.88	416.24	416.99	417.28	416.29	417.83	414.20	417.11	406.90	417.98	417.48	413.37
GN-AP-MW-9	Downgradient	Mid-Lower Knox Dolomite	419.49	419.25	417.27	416.92	414.77	419.49	419.47	419.65	419.45	419.40	420.19	418.58	419.52	415.75	419.84	419.64	418.01
GN-AP-MW-10	Downgradient	Middle Knox Dolomite	419.79	419.50	418.98	418.44	417.24	419.95	420.14	420.11	420.16	420.16	420.52	419.58	420.91	418.03	420.44	420.26	419.25
GN-AP-MW-11	Downgradient	Middle Knox Dolomite	420.70	420.24	419.63	419.52	419.10	421.01	420.62	421.21	421.48	420.58	422.21	420.37	422.06	419.35	422.02	421.91	420.20
GN-AP-MW-12	Downgradient	Middle Knox Dolomite	424.82	424.54	424.12	424.12	422.77	424.85	424.79	424.81	424.78	424.78	Artesian	Artesian	Artesian	423.48	Artesian	Artesian	Artesian
GN-AP-MW-13	Downgradient	Upper Knox Dolomite	423.76	423.84	423.74	423.79	423.26	423.89	423.75	423.71	Artesian	423.69	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian
GN-AP-MW-14	Downgradient	Middle Knox Dolomite	399.19	399.25	399.07	399.53	399.84	401.55	399.86	399.88	400.50	399.27	399.96	399.88	399.71	399.42	401.33	400.86	399.95
GN-AP-MW-15R	Downgradient	Middle Knox Dolomite			398.45	398.39	398.37		398.91	399.06	399.14	398.90	399.42	398.74	399.02	397.75	399.57	397.79	396.24
GN-AP-MW-16	Downgradient	Upper Knox Dolomite	402.65	402.60	402.75	402.53	402.38	402.81	402.83	402.99	403.20	403.41	403.99	403.30	402.93	402.20	404.01	401.89	400.96
GN-AP-MW-17	Downgradient	Middle Knox Dolomite	407.55	407.64	407.51	407.54	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian
GN-AP-MW-18	Downgradient	Middle Knox Dolomite	395.92	395.86	396.12	395.85	395.89	395.88	395.80	395.88	395.96	396.08	396.43	395.86	396.19	395.96	398.18	397.21	395.97
GN-AP-MW-19	Downgradient	Middle Knox Dolomite	412.84	412.24	412.06	412.02	411.25	412.47	412.81	413.75	413.96	412.51	414.20	412.80	412.99	409.86	415.86	414.36	411.22
GN-AP-MW-20	Downgradient	Middle Knox Dolomite	398.36	398.40	398.40	398.14	397.79	398.28	398.11	398.21	398.21	398.40	398.83	398.06	398.57	397.99	400.20	398.59	398.07
GN-AP-MW-21	Downgradient	Upper Knox Dolomite			416.30	416.14	415.60	418.34	417.54	418.62	419.16	417.91	419.93	417.20	417.81	413.50	420.14	418.89	412.83
GN-AP-MW-22	Downgradient	Upper Knox Dolomite			416.70	416.55	415.59	419.65	418.52	420.59	421.65	418.89	423.34	418.13	418.91	413.36	423.61	422.23	413.50
GN-AP-MW-1	Abandoned	Mid-Lower Knox Dolomite	432.03	431.33	430.58	430.48	429.35	431.57	431.52	432.42	432.63	431.16	432.58	431.30	432.14	428.36		458.15	458.23
GN-AP-MW-2	Abandoned	Middle Knox Dolomite	432.56	432.71	432.69	432.59	432.16	432.74	433.33	433.55	433.62	433.19	433.75	433.85	431.74	429.25			
GN-AP-MW-15	Abandoned	Middle Knox Dolomite	395.89	395.74															

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.



Appendix B. Historical Groundwater Elevations Summary

Plant Gaston Ash Pond
03/28/2016 - 08/29/2022

Well	Hydraulic Location	Geologic Unit	Measure Date			
			03/29/21	09/20/21	04/18/22	08/29/22
GN-AP-MW-4	Downgradient	Middle Knox Dolomite	431.37	426.36	428.89	413.49
GN-AP-MW-5	Downgradient	Upper Knox Dolomite	422.61	421.35	420.22	411.01
GN-AP-MW-6	Downgradient	Upper Knox Dolomite	417.63	417.29	416.85	411.02
GN-AP-MW-7	Downgradient	Upper Knox Dolomite	416.10	415.28	416.44	410.52
GN-AP-MW-8	Downgradient	Middle Knox Dolomite	417.56	417.35	417.76	412.29
GN-AP-MW-9	Downgradient	Mid-Lower Knox Dolomite	419.74	419.76	419.91	418.26
GN-AP-MW-10	Downgradient	Middle Knox Dolomite	420.64	421.00	421.04	419.11
GN-AP-MW-11	Downgradient	Middle Knox Dolomite	421.90	422.18	422.40	420.07
GN-AP-MW-12	Downgradient	Middle Knox Dolomite	Artesian	Artesian	Artesian	424.16
GN-AP-MW-13	Downgradient	Upper Knox Dolomite	423.20	Artesian	Artesian	421.78
GN-AP-MW-14	Downgradient	Middle Knox Dolomite	400.32	400.71	399.91	399.29
GN-AP-MW-15R	Downgradient	Middle Knox Dolomite	397.66	395.58	396.38	395.06
GN-AP-MW-16	Downgradient	Upper Knox Dolomite	402.30	400.06	399.87	398.62
GN-AP-MW-17	Downgradient	Middle Knox Dolomite	406.30	404.59	403.49	401.85
GN-AP-MW-18	Downgradient	Middle Knox Dolomite	398.51	395.92	396.11	395.40
GN-AP-MW-19	Downgradient	Middle Knox Dolomite	414.09	413.40	414.75	410.90
GN-AP-MW-20	Downgradient	Middle Knox Dolomite	400.53	397.69	397.86	396.35
GN-AP-MW-21	Downgradient	Upper Knox Dolomite	417.80	417.37	417.02	410.40
GN-AP-MW-22	Downgradient	Upper Knox Dolomite	420.40	419.59	418.48	410.36
GN-AP-MW-1	Abandoned	Mid-Lower Knox Dolomite	457.47	457.88		
GN-AP-MW-2	Abandoned	Middle Knox Dolomite				
GN-AP-MW-15	Abandoned	Middle Knox Dolomite				

Notes:
(1) Groundwater elevations measured in vertical feet relative to the North American Vertical Datum (NAVD)1988.



Appendix B. Historical Groundwater Elevations Summary

Plant Gaston Ash Pond
04/01/2019 - 08/29/2022

Well	Hydraulic Location	Geologic Unit	Measure Date									
			04/01/19	09/16/19	10/22/19	02/17/20	04/29/20	07/20/20	03/29/21	09/20/21	04/18/22	08/29/22
GN-AP-MW-17SV	Vertical Delineation	Upper Knox Dolomite	398.54	398.50		399.87	398.15	397.81	399.70	397.81	397.59	396.81
GN-AP-MW-20SV	Vertical Delineation	Upper Knox Dolomite	396.32	396.02		398.23	396.50	396.06	398.73	396.28	396.47	395.72
GN-AP-MW-20V	Vertical Delineation	Mid-Lower Knox Dolomite	399.13	398.55		400.72	398.95	398.44	400.84	398.07	398.23	397.36
GN-AP-MW-17V	Vertical Delineation	Middle Knox Dolomite	404.95	Artesian		404.95	403.83	402.79	403.24	401.49	400.79	399.45
GN-AP-MW-16V	Vertical Delineation	Mid-Lower Knox Dolomite	415.81	413.41		413.48	410.39	407.92	406.78	405.34	404.16	402.17
GN-AP-MW-23D	Vertical Delineation	Lower Knox Dolomite	419.35	413.44		425.61	423.43	413.88	422.06	420.88	420.17	411.09
GN-AP-MW-32V	Vertical Delineation	Mid-Lower Knox Dolomite			420.59	422.87	419.38	417.62	411.74	411.11	409.06	406.18
GN-AP-MW-33V	Vertical Delineation	Mid-Lower Knox Dolomite			419.19	421.43		417.11	415.49	414.10	411.88	409.54
GN-AP-MW-34V	Vertical Delineation	Mid-Lower Knox Dolomite			413.19	411.00	409.25	407.30	405.71	402.16	402.42	400.82
GN-AP-MW-31VR	Vertical Delineation	Mid-Lower Knox Dolomite					396.69	396.43	397.91	395.95	396.37	395.65
GN-AP-MW-36V	Vertical Delineation	Lower Knox Dolomite					419.58	417.39	415.64	413.69	411.74	409.59
GN-AP-MW-35V	Vertical Delineation	Lower Knox Dolomite					404.07	402.18	404.33	401.57	401.53	400.14
GN-AP-MW-37V	Vertical Delineation	Lower Knox Dolomite					417.12	413.35	410.38	409.54	408.94	406.22
GN-AP-MW-29H	Horizontal Delineation	Middle Knox Dolomite	406.82	Artesian		Artesian	Artesian	Artesian	405.87	403.81	402.97	400.23
GN-AP-MW-28H	Horizontal Delineation	Middle Knox Dolomite	408.28	406.70		407.70	405.10	403.59	403.79	401.94	401.27	399.78
GN-AP-MW-23S	Horizontal Delineation	Upper Knox Dolomite	419.92	413.85		426.02	424.61	414.27	422.68	421.54	420.42	411.11
GN-AP-MW-26	Horizontal Delineation	Upper Knox Dolomite	416.69	413.14		417.84	417.19	412.83	417.21	416.58	416.61	411.20
GN-AP-MW-27	Horizontal Delineation	Upper Knox Dolomite	419.95	413.86		426.43	424.52	413.72	422.87	421.74	420.67	411.29
GN-AP-MW-30H	Horizontal Delineation	Upper Knox Dolomite			395.58	398.29	396.08	395.76	398.48	395.85	396.26	395.47

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



E.C. Gaston 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).

Due to low yield, wells MW-33V, MW-8 and MW-9 were sampled using the Minimal Purge Method, defined in the Plant Gaston Ash Pond SAP.

Rain was present when pumping and sampling wells MW-33V and MW36V.

Turbidity levels less than 10 NTU were not able to be achieved after extended pumping for well MW-20V. A complete sample set for totals analysis was collected followed by a field filtered set for dissolved analysis.

Field quality control procedures were performed as follows:

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

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-23D	Conductivity	4/20/2022 10:28	621.48	uS/cm
GN-AP-MW-23D	DO	4/20/2022 10:28	0.86	mg/L
GN-AP-MW-23D	Depth to Water Detail	4/20/2022 10:28	10.25	ft
GN-AP-MW-23D	Oxidation Reduction Potention	4/20/2022 10:28	-194.21	mv
GN-AP-MW-23D	pH	4/20/2022 10:28	7.92	SU
GN-AP-MW-23D	Temperature	4/20/2022 10:28	19.64	C
GN-AP-MW-23D	Turbidity	4/20/2022 10:28	3.03	NTU
GN-AP-MW-23D	Conductivity	4/20/2022 10:33	589.72	uS/cm
GN-AP-MW-23D	DO	4/20/2022 10:33	0.78	mg/L
GN-AP-MW-23D	Depth to Water Detail	4/20/2022 10:33	10.39	ft
GN-AP-MW-23D	Oxidation Reduction Potention	4/20/2022 10:33	-196.19	mv
GN-AP-MW-23D	pH	4/20/2022 10:33	7.88	SU
GN-AP-MW-23D	Temperature	4/20/2022 10:33	19.72	C
GN-AP-MW-23D	Turbidity	4/20/2022 10:33	2.12	NTU
GN-AP-MW-23D	Conductivity	4/20/2022 10:38	585.31	uS/cm
GN-AP-MW-23D	DO	4/20/2022 10:38	0.74	mg/L
GN-AP-MW-23D	Depth to Water Detail	4/20/2022 10:38	10.58	ft
GN-AP-MW-23D	Oxidation Reduction Potention	4/20/2022 10:38	-200.35	mv
GN-AP-MW-23D	pH	4/20/2022 10:38	7.87	SU
GN-AP-MW-23D	Temperature	4/20/2022 10:38	19.76	C
GN-AP-MW-23D	Turbidity	4/20/2022 10:38	1.82	NTU
GN-AP-MW-23D	Conductivity	4/20/2022 10:43	583.82	uS/cm
GN-AP-MW-23D	DO	4/20/2022 10:43	0.72	mg/L
GN-AP-MW-23D	Depth to Water Detail	4/20/2022 10:43	10.7	ft
GN-AP-MW-23D	Oxidation Reduction Potention	4/20/2022 10:43	-204.85	mv
GN-AP-MW-23D	pH	4/20/2022 10:43	7.86	SU
GN-AP-MW-23D	Temperature	4/20/2022 10:43	19.85	C
GN-AP-MW-23D	Turbidity	4/20/2022 10:43	1.88	NTU
GN-AP-MW-23D	Conductivity	4/20/2022 10:48	581.95	uS/cm
GN-AP-MW-23D	DO	4/20/2022 10:48	0.69	mg/L
GN-AP-MW-23D	Depth to Water Detail	4/20/2022 10:48	10.79	ft
GN-AP-MW-23D	Oxidation Reduction Potention	4/20/2022 10:48	-209.33	mv
GN-AP-MW-23D	pH	4/20/2022 10:48	7.86	SU
GN-AP-MW-23D	Sulfide	4/20/2022 10:48	4	mg/L
GN-AP-MW-23D	Temperature	4/20/2022 10:48	19.86	C
GN-AP-MW-23D	Turbidity	4/20/2022 10:48	2.02	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-23S	Conductivity	4/20/2022 11:43	476.27	uS/cm
GN-AP-MW-23S	DO	4/20/2022 11:43	2.49	mg/L
GN-AP-MW-23S	Depth to Water Detail	4/20/2022 11:43	10.37	ft
GN-AP-MW-23S	Oxidation Reduction Potention	4/20/2022 11:43	-8.04	mv
GN-AP-MW-23S	pH	4/20/2022 11:43	6.33	SU
GN-AP-MW-23S	Temperature	4/20/2022 11:43	19.53	C
GN-AP-MW-23S	Turbidity	4/20/2022 11:43	1.35	NTU
GN-AP-MW-23S	Conductivity	4/20/2022 11:48	475.62	uS/cm
GN-AP-MW-23S	DO	4/20/2022 11:48	2.4	mg/L
GN-AP-MW-23S	Depth to Water Detail	4/20/2022 11:48	10.46	ft
GN-AP-MW-23S	Oxidation Reduction Potention	4/20/2022 11:48	-3.86	mv
GN-AP-MW-23S	pH	4/20/2022 11:48	6.36	SU
GN-AP-MW-23S	Temperature	4/20/2022 11:48	19.32	C
GN-AP-MW-23S	Turbidity	4/20/2022 11:48	1.36	NTU
GN-AP-MW-23S	Conductivity	4/20/2022 11:53	471.64	uS/cm
GN-AP-MW-23S	DO	4/20/2022 11:53	2.32	mg/L
GN-AP-MW-23S	Depth to Water Detail	4/20/2022 11:53	10.46	ft
GN-AP-MW-23S	Oxidation Reduction Potention	4/20/2022 11:53	-0.92	mv
GN-AP-MW-23S	pH	4/20/2022 11:53	6.4	SU
GN-AP-MW-23S	Temperature	4/20/2022 11:53	19.29	C
GN-AP-MW-23S	Turbidity	4/20/2022 11:53	1.47	NTU
GN-AP-MW-23S	Conductivity	4/20/2022 11:58	465.44	uS/cm
GN-AP-MW-23S	DO	4/20/2022 11:58	2.34	mg/L
GN-AP-MW-23S	Depth to Water Detail	4/20/2022 11:58	10.46	ft
GN-AP-MW-23S	Oxidation Reduction Potention	4/20/2022 11:58	1.57	mv
GN-AP-MW-23S	pH	4/20/2022 11:58	6.43	SU
GN-AP-MW-23S	Sulfide	4/20/2022 11:58	0	mg/L
GN-AP-MW-23S	Temperature	4/20/2022 11:58	19.41	C
GN-AP-MW-23S	Turbidity	4/20/2022 11:58	1.23	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-26	Conductivity	4/20/2022 12:53	556.22	uS/cm
GN-AP-MW-26	DO	4/20/2022 12:53	4.53	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 12:53	12.42	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 12:53	21.87	mv
GN-AP-MW-26	pH	4/20/2022 12:53	6.6	SU
GN-AP-MW-26	Temperature	4/20/2022 12:53	17.87	C
GN-AP-MW-26	Turbidity	4/20/2022 12:53	1.1	NTU
GN-AP-MW-26	Conductivity	4/20/2022 12:58	557.35	uS/cm
GN-AP-MW-26	DO	4/20/2022 12:58	4.47	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 12:58	13	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 12:58	24.62	mv
GN-AP-MW-26	pH	4/20/2022 12:58	6.69	SU
GN-AP-MW-26	Temperature	4/20/2022 12:58	17.92	C
GN-AP-MW-26	Turbidity	4/20/2022 12:58	1.34	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:03	556.77	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:03	4.36	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:03	13.7	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:03	27.37	mv
GN-AP-MW-26	pH	4/20/2022 13:03	6.74	SU
GN-AP-MW-26	Temperature	4/20/2022 13:03	17.85	C
GN-AP-MW-26	Turbidity	4/20/2022 13:03	1.08	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:08	557.67	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:08	4.2	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:08	14.22	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:08	29.47	mv
GN-AP-MW-26	pH	4/20/2022 13:08	6.78	SU
GN-AP-MW-26	Temperature	4/20/2022 13:08	17.78	C
GN-AP-MW-26	Turbidity	4/20/2022 13:08	0.87	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:13	559.65	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:13	4.06	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:13	14.58	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:13	30.4	mv
GN-AP-MW-26	pH	4/20/2022 13:13	6.8	SU
GN-AP-MW-26	Temperature	4/20/2022 13:13	17.79	C
GN-AP-MW-26	Turbidity	4/20/2022 13:13	1.02	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:18	558.76	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:18	3.92	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:18	14.71	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:18	31.56	mv
GN-AP-MW-26	pH	4/20/2022 13:18	6.83	SU
GN-AP-MW-26	Temperature	4/20/2022 13:18	17.84	C
GN-AP-MW-26	Turbidity	4/20/2022 13:18	0.86	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:23	565.02	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:23	3.86	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:23	14.89	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:23	32.67	mv
GN-AP-MW-26	pH	4/20/2022 13:23	6.85	SU
GN-AP-MW-26	Temperature	4/20/2022 13:23	17.85	C
GN-AP-MW-26	Turbidity	4/20/2022 13:23	1.11	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:28	565.57	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:28	3.74	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:28	15.03	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:28	33.46	mv
GN-AP-MW-26	pH	4/20/2022 13:28	6.86	SU
GN-AP-MW-26	Temperature	4/20/2022 13:28	17.93	C
GN-AP-MW-26	Turbidity	4/20/2022 13:28	1.01	NTU
GN-AP-MW-26	Conductivity	4/20/2022 13:33	566.26	uS/cm
GN-AP-MW-26	DO	4/20/2022 13:33	3.65	mg/L
GN-AP-MW-26	Depth to Water Detail	4/20/2022 13:33	15.14	ft
GN-AP-MW-26	Oxidation Reduction Potention	4/20/2022 13:33	34.09	mv
GN-AP-MW-26	pH	4/20/2022 13:33	6.87	SU
GN-AP-MW-26	Sulfide	4/20/2022 13:33	0	mg/L
GN-AP-MW-26	Temperature	4/20/2022 13:33	17.97	C
GN-AP-MW-26	Turbidity	4/20/2022 13:33	0.72	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-38	Conductivity	4/19/2022 11:33	203.63	uS/cm
GN-AP-MW-38	DO	4/19/2022 11:33	2.83	mg/L
GN-AP-MW-38	Depth to Water Detail	4/19/2022 11:33	6.21	ft
GN-AP-MW-38	Oxidation Reduction Potention	4/19/2022 11:33	76.51	mv
GN-AP-MW-38	pH	4/19/2022 11:33	7.56	SU
GN-AP-MW-38	Temperature	4/19/2022 11:33	17.35	C
GN-AP-MW-38	Turbidity	4/19/2022 11:33	5.85	NTU
GN-AP-MW-38	Conductivity	4/19/2022 11:38	203.63	uS/cm
GN-AP-MW-38	DO	4/19/2022 11:38	4.01	mg/L
GN-AP-MW-38	Depth to Water Detail	4/19/2022 11:38	6.21	ft
GN-AP-MW-38	Oxidation Reduction Potention	4/19/2022 11:38	66.02	mv
GN-AP-MW-38	pH	4/19/2022 11:38	7.81	SU
GN-AP-MW-38	Temperature	4/19/2022 11:38	17.36	C
GN-AP-MW-38	Turbidity	4/19/2022 11:38	5.66	NTU
GN-AP-MW-38	Conductivity	4/19/2022 11:43	204.73	uS/cm
GN-AP-MW-38	DO	4/19/2022 11:43	2.96	mg/L
GN-AP-MW-38	Depth to Water Detail	4/19/2022 11:43	6.21	ft
GN-AP-MW-38	Oxidation Reduction Potention	4/19/2022 11:43	60.88	mv
GN-AP-MW-38	pH	4/19/2022 11:43	7.88	SU
GN-AP-MW-38	Temperature	4/19/2022 11:43	17.37	C
GN-AP-MW-38	Turbidity	4/19/2022 11:43	6.19	NTU
GN-AP-MW-38	Conductivity	4/19/2022 11:48	204.8	uS/cm
GN-AP-MW-38	DO	4/19/2022 11:48	4.77	mg/L
GN-AP-MW-38	Depth to Water Detail	4/19/2022 11:48	6.21	ft
GN-AP-MW-38	Oxidation Reduction Potention	4/19/2022 11:48	57.49	mv
GN-AP-MW-38	pH	4/19/2022 11:48	7.91	SU
GN-AP-MW-38	Temperature	4/19/2022 11:48	17.42	C
GN-AP-MW-38	Turbidity	4/19/2022 11:48	5.88	NTU
GN-AP-MW-38	Conductivity	4/19/2022 11:53	204.61	uS/cm
GN-AP-MW-38	DO	4/19/2022 11:53	4.84	mg/L
GN-AP-MW-38	Depth to Water Detail	4/19/2022 11:53	6.21	ft
GN-AP-MW-38	Oxidation Reduction Potention	4/19/2022 11:53	54.99	mv
GN-AP-MW-38	pH	4/19/2022 11:53	7.91	SU
GN-AP-MW-38	Temperature	4/19/2022 11:53	17.5	C
GN-AP-MW-38	Turbidity	4/19/2022 11:53	4.96	NTU
GN-AP-MW-38	Conductivity	4/19/2022 11:58	204.76	uS/cm
GN-AP-MW-38	DO	4/19/2022 11:58	4.89	mg/L
GN-AP-MW-38	Depth to Water Detail	4/19/2022 11:58	6.21	ft
GN-AP-MW-38	Oxidation Reduction Potention	4/19/2022 11:58	54.77	mv
GN-AP-MW-38	pH	4/19/2022 11:58	7.91	SU
GN-AP-MW-38	Sulfide	4/19/2022 11:58	0	mg/L
GN-AP-MW-38	Temperature	4/19/2022 11:58	17.51	C
GN-AP-MW-38	Turbidity	4/19/2022 11:58	4.81	NTU
GN-AP-MW-39	Conductivity	4/19/2022 15:11	231.39	uS/cm

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-39	DO	4/19/2022 15:11	0.45	mg/L
GN-AP-MW-39	Depth to Water Detail	4/19/2022 15:11	17.68	ft
GN-AP-MW-39	Oxidation Reduction Potention	4/19/2022 15:11	94.52	mv
GN-AP-MW-39	pH	4/19/2022 15:11	6.7	SU
GN-AP-MW-39	Temperature	4/19/2022 15:11	18.27	C
GN-AP-MW-39	Turbidity	4/19/2022 15:11	1.05	NTU
GN-AP-MW-39	Conductivity	4/19/2022 15:16	230.02	uS/cm
GN-AP-MW-39	DO	4/19/2022 15:16	0.4	mg/L
GN-AP-MW-39	Depth to Water Detail	4/19/2022 15:16	17.68	ft
GN-AP-MW-39	Oxidation Reduction Potention	4/19/2022 15:16	64.14	mv
GN-AP-MW-39	pH	4/19/2022 15:16	6.74	SU
GN-AP-MW-39	Temperature	4/19/2022 15:16	18.29	C
GN-AP-MW-39	Turbidity	4/19/2022 15:16	1.09	NTU
GN-AP-MW-39	Conductivity	4/19/2022 15:21	226.85	uS/cm
GN-AP-MW-39	DO	4/19/2022 15:21	0.39	mg/L
GN-AP-MW-39	Depth to Water Detail	4/19/2022 15:21	17.68	ft
GN-AP-MW-39	Oxidation Reduction Potention	4/19/2022 15:21	34.77	mv
GN-AP-MW-39	pH	4/19/2022 15:21	6.79	SU
GN-AP-MW-39	Temperature	4/19/2022 15:21	18.36	C
GN-AP-MW-39	Turbidity	4/19/2022 15:21	0.96	NTU
GN-AP-MW-39	Conductivity	4/19/2022 15:26	223.66	uS/cm
GN-AP-MW-39	DO	4/19/2022 15:26	0.39	mg/L
GN-AP-MW-39	Depth to Water Detail	4/19/2022 15:26	17.68	ft
GN-AP-MW-39	Oxidation Reduction Potention	4/19/2022 15:26	9.63	mv
GN-AP-MW-39	pH	4/19/2022 15:26	6.85	SU
GN-AP-MW-39	Sulfide	4/19/2022 15:26	0	mg/L
GN-AP-MW-39	Temperature	4/19/2022 15:26	18.45	C
GN-AP-MW-39	Turbidity	4/19/2022 15:26	1.02	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-40	Conductivity	4/19/2022 14:05	182.62	uS/cm
GN-AP-MW-40	DO	4/19/2022 14:05	7.3	mg/L
GN-AP-MW-40	Depth to Water Detail	4/19/2022 14:05	14.08	ft
GN-AP-MW-40	Oxidation Reduction Potention	4/19/2022 14:05	92.23	mv
GN-AP-MW-40	pH	4/19/2022 14:05	7.27	SU
GN-AP-MW-40	Temperature	4/19/2022 14:05	18.26	C
GN-AP-MW-40	Turbidity	4/19/2022 14:05	11.31	NTU
GN-AP-MW-40	Conductivity	4/19/2022 14:10	182.92	uS/cm
GN-AP-MW-40	DO	4/19/2022 14:10	7.31	mg/L
GN-AP-MW-40	Depth to Water Detail	4/19/2022 14:10	14.08	ft
GN-AP-MW-40	Oxidation Reduction Potention	4/19/2022 14:10	88.69	mv
GN-AP-MW-40	pH	4/19/2022 14:10	7.37	SU
GN-AP-MW-40	Temperature	4/19/2022 14:10	18.33	C
GN-AP-MW-40	Turbidity	4/19/2022 14:10	8.34	NTU
GN-AP-MW-40	Conductivity	4/19/2022 14:15	183.2	uS/cm
GN-AP-MW-40	DO	4/19/2022 14:15	7.32	mg/L
GN-AP-MW-40	Depth to Water Detail	4/19/2022 14:15	14.08	ft
GN-AP-MW-40	Oxidation Reduction Potention	4/19/2022 14:15	79.54	mv
GN-AP-MW-40	pH	4/19/2022 14:15	7.5	SU
GN-AP-MW-40	Temperature	4/19/2022 14:15	18.32	C
GN-AP-MW-40	Turbidity	4/19/2022 14:15	5.18	NTU
GN-AP-MW-40	Conductivity	4/19/2022 14:20	183.08	uS/cm
GN-AP-MW-40	DO	4/19/2022 14:20	7.28	mg/L
GN-AP-MW-40	Depth to Water Detail	4/19/2022 14:20	14.08	ft
GN-AP-MW-40	Oxidation Reduction Potention	4/19/2022 14:20	72.55	mv
GN-AP-MW-40	pH	4/19/2022 14:20	7.6	SU
GN-AP-MW-40	Temperature	4/19/2022 14:20	18.3	C
GN-AP-MW-40	Turbidity	4/19/2022 14:20	4.75	NTU
GN-AP-MW-40	Conductivity	4/19/2022 14:25	183.49	uS/cm
GN-AP-MW-40	DO	4/19/2022 14:25	7.22	mg/L
GN-AP-MW-40	Depth to Water Detail	4/19/2022 14:25	14.08	ft
GN-AP-MW-40	Oxidation Reduction Potention	4/19/2022 14:25	70.73	mv
GN-AP-MW-40	pH	4/19/2022 14:25	7.64	SU
GN-AP-MW-40	Temperature	4/19/2022 14:25	18.32	C
GN-AP-MW-40	Turbidity	4/19/2022 14:25	5.03	NTU
GN-AP-MW-40	Conductivity	4/19/2022 14:30	183.46	uS/cm
GN-AP-MW-40	DO	4/19/2022 14:30	7.25	mg/L
GN-AP-MW-40	Depth to Water Detail	4/19/2022 14:30	14.08	ft
GN-AP-MW-40	Oxidation Reduction Potention	4/19/2022 14:30	67.93	mv
GN-AP-MW-40	pH	4/19/2022 14:30	7.68	SU
GN-AP-MW-40	Sulfide	4/19/2022 14:30	0	mg/L
GN-AP-MW-40	Temperature	4/19/2022 14:30	18.27	C
GN-AP-MW-40	Turbidity	4/19/2022 14:30	3.86	NTU
GN-AP-MW-41	Conductivity	4/19/2022 13:11	243.05	uS/cm

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-41	DO	4/19/2022 13:11	4.29	mg/L
GN-AP-MW-41	Depth to Water Detail	4/19/2022 13:11	7.58	ft
GN-AP-MW-41	Oxidation Reduction Potention	4/19/2022 13:11	100.93	mv
GN-AP-MW-41	pH	4/19/2022 13:11	6.75	SU
GN-AP-MW-41	Temperature	4/19/2022 13:11	17.23	C
GN-AP-MW-41	Turbidity	4/19/2022 13:11	7.69	NTU
GN-AP-MW-41	Conductivity	4/19/2022 13:16	242.68	uS/cm
GN-AP-MW-41	DO	4/19/2022 13:16	4.3	mg/L
GN-AP-MW-41	Depth to Water Detail	4/19/2022 13:16	7.58	ft
GN-AP-MW-41	Oxidation Reduction Potention	4/19/2022 13:16	101.05	mv
GN-AP-MW-41	pH	4/19/2022 13:16	6.75	SU
GN-AP-MW-41	Temperature	4/19/2022 13:16	17.17	C
GN-AP-MW-41	Turbidity	4/19/2022 13:16	5.72	NTU
GN-AP-MW-41	Conductivity	4/19/2022 13:21	242.64	uS/cm
GN-AP-MW-41	DO	4/19/2022 13:21	4.32	mg/L
GN-AP-MW-41	Depth to Water Detail	4/19/2022 13:21	7.58	ft
GN-AP-MW-41	Oxidation Reduction Potention	4/19/2022 13:21	100.32	mv
GN-AP-MW-41	pH	4/19/2022 13:21	6.78	SU
GN-AP-MW-41	Temperature	4/19/2022 13:21	17.17	C
GN-AP-MW-41	Turbidity	4/19/2022 13:21	4.3	NTU
GN-AP-MW-41	Conductivity	4/19/2022 13:26	242.68	uS/cm
GN-AP-MW-41	DO	4/19/2022 13:26	4.34	mg/L
GN-AP-MW-41	Depth to Water Detail	4/19/2022 13:26	7.58	ft
GN-AP-MW-41	Oxidation Reduction Potention	4/19/2022 13:26	99.03	mv
GN-AP-MW-41	pH	4/19/2022 13:26	6.8	SU
GN-AP-MW-41	Sulfide	4/19/2022 13:26	0	mg/L
GN-AP-MW-41	Temperature	4/19/2022 13:26	17.22	C
GN-AP-MW-41	Turbidity	4/19/2022 13:26	4.09	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-42	Conductivity	4/19/2022 9:34	44.86	uS/cm
GN-AP-MW-42	DO	4/19/2022 9:34	7.28	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 9:34	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 9:34	35.34	mv
GN-AP-MW-42	pH	4/19/2022 9:34	6	SU
GN-AP-MW-42	Temperature	4/19/2022 9:34	17.57	C
GN-AP-MW-42	Turbidity	4/19/2022 9:34	9.26	NTU
GN-AP-MW-42	Conductivity	4/19/2022 9:39	43.85	uS/cm
GN-AP-MW-42	DO	4/19/2022 9:39	7.27	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 9:39	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 9:39	67.19	mv
GN-AP-MW-42	pH	4/19/2022 9:39	5.73	SU
GN-AP-MW-42	Temperature	4/19/2022 9:39	17.62	C
GN-AP-MW-42	Turbidity	4/19/2022 9:39	8.05	NTU
GN-AP-MW-42	Conductivity	4/19/2022 9:44	47.11	uS/cm
GN-AP-MW-42	DO	4/19/2022 9:44	7.25	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 9:44	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 9:44	82.49	mv
GN-AP-MW-42	pH	4/19/2022 9:44	5.68	SU
GN-AP-MW-42	Temperature	4/19/2022 9:44	17.64	C
GN-AP-MW-42	Turbidity	4/19/2022 9:44	5.21	NTU
GN-AP-MW-42	Conductivity	4/19/2022 9:49	56.07	uS/cm
GN-AP-MW-42	DO	4/19/2022 9:49	7.21	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 9:49	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 9:49	88.93	mv
GN-AP-MW-42	pH	4/19/2022 9:49	5.77	SU
GN-AP-MW-42	Temperature	4/19/2022 9:49	17.71	C
GN-AP-MW-42	Turbidity	4/19/2022 9:49	4.79	NTU
GN-AP-MW-42	Conductivity	4/19/2022 9:54	66.34	uS/cm
GN-AP-MW-42	DO	4/19/2022 9:54	7.16	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 9:54	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 9:54	89.86	mv
GN-AP-MW-42	pH	4/19/2022 9:54	5.88	SU
GN-AP-MW-42	Temperature	4/19/2022 9:54	17.66	C
GN-AP-MW-42	Turbidity	4/19/2022 9:54	4.33	NTU
GN-AP-MW-42	Conductivity	4/19/2022 9:59	74.54	uS/cm
GN-AP-MW-42	DO	4/19/2022 9:59	7.14	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 9:59	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 9:59	91.4	mv
GN-AP-MW-42	pH	4/19/2022 9:59	5.96	SU
GN-AP-MW-42	Temperature	4/19/2022 9:59	17.67	C
GN-AP-MW-42	Turbidity	4/19/2022 9:59	3.95	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:04	81.46	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:04	7.13	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:04	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:04	91.18	mv
GN-AP-MW-42	pH	4/19/2022 10:04	6.02	SU
GN-AP-MW-42	Temperature	4/19/2022 10:04	17.65	C
GN-AP-MW-42	Turbidity	4/19/2022 10:04	3.85	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:09	86.48	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:09	7.09	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:09	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:09	91.98	mv
GN-AP-MW-42	pH	4/19/2022 10:09	6.08	SU
GN-AP-MW-42	Temperature	4/19/2022 10:09	17.67	C
GN-AP-MW-42	Turbidity	4/19/2022 10:09	3.76	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:14	91.09	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:14	7.04	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:14	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:14	91.74	mv
GN-AP-MW-42	pH	4/19/2022 10:14	6.12	SU
GN-AP-MW-42	Temperature	4/19/2022 10:14	17.75	C
GN-AP-MW-42	Turbidity	4/19/2022 10:14	3.58	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:19	94.61	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:19	6.99	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:19	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:19	91.81	mv
GN-AP-MW-42	pH	4/19/2022 10:19	6.15	SU
GN-AP-MW-42	Temperature	4/19/2022 10:19	17.75	C
GN-AP-MW-42	Turbidity	4/19/2022 10:19	3.25	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:24	97.48	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:24	6.93	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:24	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:24	90.76	mv
GN-AP-MW-42	pH	4/19/2022 10:24	6.24	SU
GN-AP-MW-42	Temperature	4/19/2022 10:24	17.77	C
GN-AP-MW-42	Turbidity	4/19/2022 10:24	3.56	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:29	100.49	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:29	6.96	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:29	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:29	89.93	mv
GN-AP-MW-42	pH	4/19/2022 10:29	6.27	SU
GN-AP-MW-42	Temperature	4/19/2022 10:29	17.72	C
GN-AP-MW-42	Turbidity	4/19/2022 10:29	2.98	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:34	102.76	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:34	6.93	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:34	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:34	90.84	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-42	pH	4/19/2022 10:34	6.3	SU
GN-AP-MW-42	Temperature	4/19/2022 10:34	17.72	C
GN-AP-MW-42	Turbidity	4/19/2022 10:34	3.01	NTU
GN-AP-MW-42	Conductivity	4/19/2022 10:39	104.64	uS/cm
GN-AP-MW-42	DO	4/19/2022 10:39	6.92	mg/L
GN-AP-MW-42	Depth to Water Detail	4/19/2022 10:39	33.16	ft
GN-AP-MW-42	Oxidation Reduction Potention	4/19/2022 10:39	90.11	mv
GN-AP-MW-42	pH	4/19/2022 10:39	6.31	SU
GN-AP-MW-42	Sulfide	4/19/2022 10:39	0	mg/L
GN-AP-MW-42	Temperature	4/19/2022 10:39	17.79	C
GN-AP-MW-42	Turbidity	4/19/2022 10:39	2.87	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17	Sulfide	4/20/2022 13:04	0	mg/L
GN-AP-MW-17	Conductivity	4/20/2022 13:09	1115.07	uS/cm
GN-AP-MW-17	DO	4/20/2022 13:09	0.1	mg/L
GN-AP-MW-17	Depth to Water Detail	4/20/2022 13:09	8.44	ft
GN-AP-MW-17	Oxidation Reduction Potention	4/20/2022 13:09	-143.18	mv
GN-AP-MW-17	pH	4/20/2022 13:09	9.28	SU
GN-AP-MW-17	Temperature	4/20/2022 13:09	35.2	C
GN-AP-MW-17	Turbidity	4/20/2022 13:09	1.49	NTU
GN-AP-MW-17	Conductivity	4/20/2022 13:14	1071.4	uS/cm
GN-AP-MW-17	DO	4/20/2022 13:14	0.12	mg/L
GN-AP-MW-17	Depth to Water Detail	4/20/2022 13:14	8.82	ft
GN-AP-MW-17	Oxidation Reduction Potention	4/20/2022 13:14	-141.74	mv
GN-AP-MW-17	pH	4/20/2022 13:14	9.18	SU
GN-AP-MW-17	Temperature	4/20/2022 13:14	35.12	C
GN-AP-MW-17	Turbidity	4/20/2022 13:14	1.64	NTU
GN-AP-MW-17	Conductivity	4/20/2022 13:19	1083.59	uS/cm
GN-AP-MW-17	DO	4/20/2022 13:19	0.1	mg/L
GN-AP-MW-17	Depth to Water Detail	4/20/2022 13:19	9.11	ft
GN-AP-MW-17	Oxidation Reduction Potention	4/20/2022 13:19	-147.09	mv
GN-AP-MW-17	pH	4/20/2022 13:19	9.23	SU
GN-AP-MW-17	Temperature	4/20/2022 13:19	35.16	C
GN-AP-MW-17	Turbidity	4/20/2022 13:19	1.52	NTU
GN-AP-MW-17	Conductivity	4/20/2022 13:24	1093.61	uS/cm
GN-AP-MW-17	DO	4/20/2022 13:24	0.1	mg/L
GN-AP-MW-17	Depth to Water Detail	4/20/2022 13:24	9.34	ft
GN-AP-MW-17	Oxidation Reduction Potention	4/20/2022 13:24	-150.49	mv
GN-AP-MW-17	pH	4/20/2022 13:24	9.25	SU
GN-AP-MW-17	Temperature	4/20/2022 13:24	35.18	C
GN-AP-MW-17	Turbidity	4/20/2022 13:24	1.59	NTU
GN-AP-MW-17	Conductivity	4/20/2022 13:29	1097.75	uS/cm
GN-AP-MW-17	DO	4/20/2022 13:29	0.14	mg/L
GN-AP-MW-17	Depth to Water Detail	4/20/2022 13:29	9.43	ft
GN-AP-MW-17	Oxidation Reduction Potention	4/20/2022 13:29	-152.13	mv
GN-AP-MW-17	pH	4/20/2022 13:29	9.26	SU
GN-AP-MW-17	Temperature	4/20/2022 13:29	35.28	C
GN-AP-MW-17	Turbidity	4/20/2022 13:29	1.55	NTU
GN-AP-MW-17	Conductivity	4/20/2022 13:34	1101.12	uS/cm
GN-AP-MW-17	DO	4/20/2022 13:34	0.16	mg/L
GN-AP-MW-17	Depth to Water Detail	4/20/2022 13:34	9.5	ft
GN-AP-MW-17	Oxidation Reduction Potention	4/20/2022 13:34	-152.25	mv
GN-AP-MW-17	pH	4/20/2022 13:34	9.25	SU
GN-AP-MW-17	Sulfide	4/20/2022 13:34	0	mg/L
GN-AP-MW-17	Temperature	4/20/2022 13:34	35.34	C
GN-AP-MW-17	Turbidity	4/20/2022 13:34	2.26	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17SV	Conductivity	4/20/2022 14:18	826.49	uS/cm
GN-AP-MW-17SV	DO	4/20/2022 14:18	0.03	mg/L
GN-AP-MW-17SV	Depth to Water Detail	4/20/2022 14:18	10.42	ft
GN-AP-MW-17SV	Oxidation Reduction Potention	4/20/2022 14:18	-128.8	mv
GN-AP-MW-17SV	pH	4/20/2022 14:18	8.3	SU
GN-AP-MW-17SV	Temperature	4/20/2022 14:18	35.11	C
GN-AP-MW-17SV	Turbidity	4/20/2022 14:18	1.85	NTU
GN-AP-MW-17SV	Conductivity	4/20/2022 14:23	789.65	uS/cm
GN-AP-MW-17SV	DO	4/20/2022 14:23	0.02	mg/L
GN-AP-MW-17SV	Depth to Water Detail	4/20/2022 14:23	10.42	ft
GN-AP-MW-17SV	Oxidation Reduction Potention	4/20/2022 14:23	-145.65	mv
GN-AP-MW-17SV	pH	4/20/2022 14:23	7.81	SU
GN-AP-MW-17SV	Temperature	4/20/2022 14:23	35.06	C
GN-AP-MW-17SV	Turbidity	4/20/2022 14:23	1.93	NTU
GN-AP-MW-17SV	Conductivity	4/20/2022 14:28	780.69	uS/cm
GN-AP-MW-17SV	DO	4/20/2022 14:28	0.01	mg/L
GN-AP-MW-17SV	Depth to Water Detail	4/20/2022 14:28	10.42	ft
GN-AP-MW-17SV	Oxidation Reduction Potention	4/20/2022 14:28	-143.85	mv
GN-AP-MW-17SV	pH	4/20/2022 14:28	7.73	SU
GN-AP-MW-17SV	Temperature	4/20/2022 14:28	35.07	C
GN-AP-MW-17SV	Turbidity	4/20/2022 14:28	1.46	NTU
GN-AP-MW-17SV	Conductivity	4/20/2022 14:33	776.27	uS/cm
GN-AP-MW-17SV	DO	4/20/2022 14:33	0.01	mg/L
GN-AP-MW-17SV	Depth to Water Detail	4/20/2022 14:33	10.42	ft
GN-AP-MW-17SV	Oxidation Reduction Potention	4/20/2022 14:33	-141.58	mv
GN-AP-MW-17SV	pH	4/20/2022 14:33	7.69	SU
GN-AP-MW-17SV	Temperature	4/20/2022 14:33	35.09	C
GN-AP-MW-17SV	Turbidity	4/20/2022 14:33	1.39	NTU
GN-AP-MW-17SV	Conductivity	4/20/2022 14:38	771.33	uS/cm
GN-AP-MW-17SV	DO	4/20/2022 14:38	0.01	mg/L
GN-AP-MW-17SV	Depth to Water Detail	4/20/2022 14:38	10.42	ft
GN-AP-MW-17SV	Oxidation Reduction Potention	4/20/2022 14:38	-136.45	mv
GN-AP-MW-17SV	pH	4/20/2022 14:38	7.63	SU
GN-AP-MW-17SV	Sulfide	4/20/2022 14:38	0	mg/L
GN-AP-MW-17SV	Temperature	4/20/2022 14:38	35.13	C
GN-AP-MW-17SV	Turbidity	4/20/2022 14:38	1.59	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-19	Conductivity	4/19/2022 15:17	367.95	uS/cm
GN-AP-MW-19	DO	4/19/2022 15:17	3.6	mg/L
GN-AP-MW-19	Depth to Water Detail	4/19/2022 15:17	48.52	ft
GN-AP-MW-19	Oxidation Reduction Potention	4/19/2022 15:17	-110.46	mv
GN-AP-MW-19	pH	4/19/2022 15:17	7.83	SU
GN-AP-MW-19	Temperature	4/19/2022 15:17	34.27	C
GN-AP-MW-19	Turbidity	4/19/2022 15:17	7.86	NTU
GN-AP-MW-19	Conductivity	4/19/2022 15:22	373.14	uS/cm
GN-AP-MW-19	DO	4/19/2022 15:22	1.86	mg/L
GN-AP-MW-19	Depth to Water Detail	4/19/2022 15:22	48.52	ft
GN-AP-MW-19	Oxidation Reduction Potention	4/19/2022 15:22	-132.2	mv
GN-AP-MW-19	pH	4/19/2022 15:22	7.7	SU
GN-AP-MW-19	Temperature	4/19/2022 15:22	33.85	C
GN-AP-MW-19	Turbidity	4/19/2022 15:22	1.26	NTU
GN-AP-MW-19	Conductivity	4/19/2022 15:27	373.14	uS/cm
GN-AP-MW-19	DO	4/19/2022 15:27	1.42	mg/L
GN-AP-MW-19	Depth to Water Detail	4/19/2022 15:27	48.52	ft
GN-AP-MW-19	Oxidation Reduction Potention	4/19/2022 15:27	-138.38	mv
GN-AP-MW-19	pH	4/19/2022 15:27	7.67	SU
GN-AP-MW-19	Temperature	4/19/2022 15:27	33.84	C
GN-AP-MW-19	Turbidity	4/19/2022 15:27	1.18	NTU
GN-AP-MW-19	Conductivity	4/19/2022 15:32	372.16	uS/cm
GN-AP-MW-19	DO	4/19/2022 15:32	1.24	mg/L
GN-AP-MW-19	Depth to Water Detail	4/19/2022 15:32	48.52	ft
GN-AP-MW-19	Oxidation Reduction Potention	4/19/2022 15:32	-140.61	mv
GN-AP-MW-19	pH	4/19/2022 15:32	7.66	SU
GN-AP-MW-19	Temperature	4/19/2022 15:32	33.71	C
GN-AP-MW-19	Turbidity	4/19/2022 15:32	1.16	NTU
GN-AP-MW-19	Conductivity	4/19/2022 15:37	371.16	uS/cm
GN-AP-MW-19	DO	4/19/2022 15:37	1.19	mg/L
GN-AP-MW-19	Depth to Water Detail	4/19/2022 15:37	48.52	ft
GN-AP-MW-19	Oxidation Reduction Potention	4/19/2022 15:37	-140.04	mv
GN-AP-MW-19	pH	4/19/2022 15:37	7.63	SU
GN-AP-MW-19	Temperature	4/19/2022 15:37	33.63	C
GN-AP-MW-19	Turbidity	4/19/2022 15:37	1.61	NTU
GN-AP-MW-19	Conductivity	4/19/2022 15:42	370.93	uS/cm
GN-AP-MW-19	DO	4/19/2022 15:42	1.12	mg/L
GN-AP-MW-19	Depth to Water Detail	4/19/2022 15:42	48.52	ft
GN-AP-MW-19	Oxidation Reduction Potention	4/19/2022 15:42	-141.28	mv
GN-AP-MW-19	pH	4/19/2022 15:42	7.63	SU
GN-AP-MW-19	Sulfide	4/19/2022 15:42	0	mg/L
GN-AP-MW-19	Temperature	4/19/2022 15:42	33.57	C
GN-AP-MW-19	Turbidity	4/19/2022 15:42	1.08	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20	Conductivity	4/20/2022 11:44	864.1	uS/cm
GN-AP-MW-20	DO	4/20/2022 11:44	0.56	mg/L
GN-AP-MW-20	Depth to Water Detail	4/20/2022 11:44	10.19	ft
GN-AP-MW-20	Oxidation Reduction Potention	4/20/2022 11:44	-111.1	mv
GN-AP-MW-20	pH	4/20/2022 11:44	7.82	SU
GN-AP-MW-20	Temperature	4/20/2022 11:44	33.08	C
GN-AP-MW-20	Turbidity	4/20/2022 11:44	3.83	NTU
GN-AP-MW-20	Conductivity	4/20/2022 11:49	862.54	uS/cm
GN-AP-MW-20	DO	4/20/2022 11:49	0.39	mg/L
GN-AP-MW-20	Depth to Water Detail	4/20/2022 11:49	10.26	ft
GN-AP-MW-20	Oxidation Reduction Potention	4/20/2022 11:49	-109.52	mv
GN-AP-MW-20	pH	4/20/2022 11:49	7.84	SU
GN-AP-MW-20	Temperature	4/20/2022 11:49	33.18	C
GN-AP-MW-20	Turbidity	4/20/2022 11:49	3.08	NTU
GN-AP-MW-20	Conductivity	4/20/2022 11:54	863.18	uS/cm
GN-AP-MW-20	DO	4/20/2022 11:54	0.3	mg/L
GN-AP-MW-20	Depth to Water Detail	4/20/2022 11:54	10.33	ft
GN-AP-MW-20	Oxidation Reduction Potention	4/20/2022 11:54	-107.8	mv
GN-AP-MW-20	pH	4/20/2022 11:54	7.85	SU
GN-AP-MW-20	Temperature	4/20/2022 11:54	33.2	C
GN-AP-MW-20	Turbidity	4/20/2022 11:54	1.82	NTU
GN-AP-MW-20	Conductivity	4/20/2022 11:59	861.37	uS/cm
GN-AP-MW-20	DO	4/20/2022 11:59	0.33	mg/L
GN-AP-MW-20	Depth to Water Detail	4/20/2022 11:59	10.33	ft
GN-AP-MW-20	Oxidation Reduction Potention	4/20/2022 11:59	-104.81	mv
GN-AP-MW-20	pH	4/20/2022 11:59	7.83	SU
GN-AP-MW-20	Sulfide	4/20/2022 11:59	0	mg/L
GN-AP-MW-20	Temperature	4/20/2022 11:59	33.37	C
GN-AP-MW-20	Turbidity	4/20/2022 11:59	1.47	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20SV	Conductivity	4/20/2022 9:30	887.42	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 9:30	0.07	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 9:30	11.82	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 9:30	-120.6	mv
GN-AP-MW-20SV	pH	4/20/2022 9:30	6.98	SU
GN-AP-MW-20SV	Temperature	4/20/2022 9:30	32.29	C
GN-AP-MW-20SV	Turbidity	4/20/2022 9:30	90.1	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 9:35	875.17	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 9:35	0.05	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 9:35	11.98	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 9:35	-127.24	mv
GN-AP-MW-20SV	pH	4/20/2022 9:35	6.99	SU
GN-AP-MW-20SV	Temperature	4/20/2022 9:35	32.38	C
GN-AP-MW-20SV	Turbidity	4/20/2022 9:35	59.8	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 9:40	865.58	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 9:40	0.04	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 9:40	12.01	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 9:40	-133.93	mv
GN-AP-MW-20SV	pH	4/20/2022 9:40	7.02	SU
GN-AP-MW-20SV	Temperature	4/20/2022 9:40	32.43	C
GN-AP-MW-20SV	Turbidity	4/20/2022 9:40	40.7	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 9:45	856.76	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 9:45	0.03	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 9:45	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 9:45	-138.31	mv
GN-AP-MW-20SV	pH	4/20/2022 9:45	7.05	SU
GN-AP-MW-20SV	Temperature	4/20/2022 9:45	32.53	C
GN-AP-MW-20SV	Turbidity	4/20/2022 9:45	32.6	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 9:50	848.72	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 9:50	0.02	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 9:50	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 9:50	-141.14	mv
GN-AP-MW-20SV	pH	4/20/2022 9:50	7.07	SU
GN-AP-MW-20SV	Temperature	4/20/2022 9:50	32.58	C
GN-AP-MW-20SV	Turbidity	4/20/2022 9:50	26.6	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 9:55	842.76	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 9:55	0.02	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 9:55	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 9:55	-142.75	mv
GN-AP-MW-20SV	pH	4/20/2022 9:55	7.07	SU
GN-AP-MW-20SV	Temperature	4/20/2022 9:55	32.6	C
GN-AP-MW-20SV	Turbidity	4/20/2022 9:55	23.9	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:00	836.1	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:00	0.02	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:00	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:00	-142.49	mv
GN-AP-MW-20SV	pH	4/20/2022 10:00	7.06	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:00	32.67	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:00	22.7	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:05	831.7	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:05	0.02	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:05	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:05	-143.86	mv
GN-AP-MW-20SV	pH	4/20/2022 10:05	7.08	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:05	32.75	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:05	19.8	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:10	827.73	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:10	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:10	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:10	-145.04	mv
GN-AP-MW-20SV	pH	4/20/2022 10:10	7.09	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:10	32.82	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:10	16.2	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:15	823.36	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:15	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:15	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:15	-145.14	mv
GN-AP-MW-20SV	pH	4/20/2022 10:15	7.09	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:15	32.81	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:15	15.8	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:20	818.47	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:20	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:20	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:20	-143.79	mv
GN-AP-MW-20SV	pH	4/20/2022 10:20	7.07	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:20	32.83	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:20	14.1	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:25	815.65	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:25	0.02	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:25	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:25	-144.89	mv
GN-AP-MW-20SV	pH	4/20/2022 10:25	7.08	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:25	32.8	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:25	11.9	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:30	810.98	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:30	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:30	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:30	-145.22	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20SV	pH	4/20/2022 10:30	7.09	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:30	32.86	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:30	11.4	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:35	808.32	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:35	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:35	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:35	-145.48	mv
GN-AP-MW-20SV	pH	4/20/2022 10:35	7.1	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:35	32.93	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:35	12.43	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:40	804.45	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:40	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:40	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:40	-145.14	mv
GN-AP-MW-20SV	pH	4/20/2022 10:40	7.09	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:40	32.98	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:40	11.3	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:45	800.93	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:45	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:45	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:45	-144.11	mv
GN-AP-MW-20SV	pH	4/20/2022 10:45	7.08	SU
GN-AP-MW-20SV	Temperature	4/20/2022 10:45	32.99	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:45	11.33	NTU
GN-AP-MW-20SV	Conductivity	4/20/2022 10:50	797.96	uS/cm
GN-AP-MW-20SV	DO	4/20/2022 10:50	0.01	mg/L
GN-AP-MW-20SV	Depth to Water Detail	4/20/2022 10:50	12.11	ft
GN-AP-MW-20SV	Oxidation Reduction Potention	4/20/2022 10:50	-144.81	mv
GN-AP-MW-20SV	pH	4/20/2022 10:50	7.1	SU
GN-AP-MW-20SV	Sulfide	4/20/2022 10:50	0	mg/L
GN-AP-MW-20SV	Temperature	4/20/2022 10:50	33.04	C
GN-AP-MW-20SV	Turbidity	4/20/2022 10:50	9.6	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	Conductivity	4/19/2022 10:01	1066.42	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:01	0.24	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:01	10.54	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:01	-159.58	mv
GN-AP-MW-20V	pH	4/19/2022 10:01	8.06	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:01	26.91	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:01	31.5	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:06	1059.79	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:06	0.21	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:06	11.73	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:06	-175.24	mv
GN-AP-MW-20V	pH	4/19/2022 10:06	8.09	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:06	27.21	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:06	11.6	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:11	1054	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:11	0.2	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:11	11.94	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:11	-182.63	mv
GN-AP-MW-20V	pH	4/19/2022 10:11	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:11	27.32	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:11	9.44	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:16	1044.15	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:16	0.19	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:16	12.19	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:16	-188.23	mv
GN-AP-MW-20V	pH	4/19/2022 10:16	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:16	27.41	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:16	7.67	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:21	1040.33	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:21	0.2	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:21	12.52	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:21	-189.77	mv
GN-AP-MW-20V	pH	4/19/2022 10:21	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:21	27.62	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:21	5.53	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:26	1033.86	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:26	0.25	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:26	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:26	-190.71	mv
GN-AP-MW-20V	pH	4/19/2022 10:26	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:26	27.41	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:26	5.52	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:31	1029.79	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:31	0.28	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:31	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:31	-190.42	mv
GN-AP-MW-20V	pH	4/19/2022 10:31	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:31	27.57	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:31	5.42	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:36	1025.2	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:36	0.29	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:36	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:36	-190.15	mv
GN-AP-MW-20V	pH	4/19/2022 10:36	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:36	27.66	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:36	6.7	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:41	1022.52	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:41	0.3	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:41	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:41	-189.01	mv
GN-AP-MW-20V	pH	4/19/2022 10:41	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:41	27.87	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:41	12.94	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:46	1016.58	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:46	0.31	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:46	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:46	-188.29	mv
GN-AP-MW-20V	pH	4/19/2022 10:46	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:46	27.92	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:46	11.7	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:51	1015.52	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:51	0.32	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:51	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:51	-188.18	mv
GN-AP-MW-20V	pH	4/19/2022 10:51	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:51	28.06	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:51	17.2	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 10:56	1013.5	uS/cm
GN-AP-MW-20V	DO	4/19/2022 10:56	0.33	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 10:56	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 10:56	-188.1	mv
GN-AP-MW-20V	pH	4/19/2022 10:56	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 10:56	28.13	C
GN-AP-MW-20V	Turbidity	4/19/2022 10:56	20.8	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:01	1011.08	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:01	0.32	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:01	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:01	-187.85	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	pH	4/19/2022 11:01	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:01	28.33	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:01	20.2	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:06	1008	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:06	0.32	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:06	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:06	-187.12	mv
GN-AP-MW-20V	pH	4/19/2022 11:06	8.09	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:06	28.41	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:06	20.2	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:11	1004.23	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:11	0.33	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:11	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:11	-187.65	mv
GN-AP-MW-20V	pH	4/19/2022 11:11	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:11	28.28	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:11	19.4	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:16	1002.5	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:16	0.33	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:16	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:16	-187.88	mv
GN-AP-MW-20V	pH	4/19/2022 11:16	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:16	28.41	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:16	22.7	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:21	998.65	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:21	0.33	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:21	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:21	-187.99	mv
GN-AP-MW-20V	pH	4/19/2022 11:21	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:21	28.39	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:21	23.5	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:26	994.06	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:26	0.33	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:26	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:26	-187.05	mv
GN-AP-MW-20V	pH	4/19/2022 11:26	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:26	28.35	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:26	21	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:31	988.27	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:31	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:31	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:31	-187.86	mv
GN-AP-MW-20V	pH	4/19/2022 11:31	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:31	28.4	C

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	Turbidity	4/19/2022 11:31	23.4	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:36	988.07	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:36	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:36	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:36	-188.59	mv
GN-AP-MW-20V	pH	4/19/2022 11:36	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:36	28.49	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:36	26.1	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:41	985.27	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:41	0.33	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:41	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:41	-188.6	mv
GN-AP-MW-20V	pH	4/19/2022 11:41	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:41	28.5	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:41	24.5	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:46	984.09	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:46	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:46	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:46	-188.73	mv
GN-AP-MW-20V	pH	4/19/2022 11:46	8.12	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:46	28.7	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:46	26.7	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:51	975.94	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:51	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:51	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:51	-188.29	mv
GN-AP-MW-20V	pH	4/19/2022 11:51	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:51	28.78	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:51	28.6	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 11:56	975.57	uS/cm
GN-AP-MW-20V	DO	4/19/2022 11:56	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 11:56	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 11:56	-188.39	mv
GN-AP-MW-20V	pH	4/19/2022 11:56	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 11:56	28.93	C
GN-AP-MW-20V	Turbidity	4/19/2022 11:56	27.9	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 12:01	975.05	uS/cm
GN-AP-MW-20V	DO	4/19/2022 12:01	0.35	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 12:01	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 12:01	-188.28	mv
GN-AP-MW-20V	pH	4/19/2022 12:01	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 12:01	29.06	C
GN-AP-MW-20V	Turbidity	4/19/2022 12:01	29.5	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 12:06	972.32	uS/cm

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	DO	4/19/2022 12:06	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 12:06	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 12:06	-188.83	mv
GN-AP-MW-20V	pH	4/19/2022 12:06	8.12	SU
GN-AP-MW-20V	Temperature	4/19/2022 12:06	29.19	C
GN-AP-MW-20V	Turbidity	4/19/2022 12:06	26.9	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 12:11	970.54	uS/cm
GN-AP-MW-20V	DO	4/19/2022 12:11	0.34	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 12:11	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 12:11	-188.48	mv
GN-AP-MW-20V	pH	4/19/2022 12:11	8.11	SU
GN-AP-MW-20V	Temperature	4/19/2022 12:11	29.32	C
GN-AP-MW-20V	Turbidity	4/19/2022 12:11	29.1	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 12:16	964.32	uS/cm
GN-AP-MW-20V	DO	4/19/2022 12:16	0.35	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 12:16	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 12:16	-187.86	mv
GN-AP-MW-20V	pH	4/19/2022 12:16	8.1	SU
GN-AP-MW-20V	Temperature	4/19/2022 12:16	29.31	C
GN-AP-MW-20V	Turbidity	4/19/2022 12:16	30.3	NTU
GN-AP-MW-20V	Conductivity	4/19/2022 12:21	959.32	uS/cm
GN-AP-MW-20V	DO	4/19/2022 12:21	0.35	mg/L
GN-AP-MW-20V	Depth to Water Detail	4/19/2022 12:21	12.59	ft
GN-AP-MW-20V	Oxidation Reduction Potention	4/19/2022 12:21	-188.72	mv
GN-AP-MW-20V	pH	4/19/2022 12:21	8.11	SU
GN-AP-MW-20V	Sulfide	4/19/2022 12:21	0	mg/L
GN-AP-MW-20V	Temperature	4/19/2022 12:21	29.38	C
GN-AP-MW-20V	Turbidity	4/19/2022 12:21	29.8	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	Conductivity	4/27/2022 12:01	514.7	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:01	0.21	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:01	43.76	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:01	-121.33	mv
GN-AP-MW-31VR	pH	4/27/2022 12:01	7.23	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:01	20.35	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:01	1.07	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:06	511.89	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:06	0.2	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:06	44.41	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:06	-124.68	mv
GN-AP-MW-31VR	pH	4/27/2022 12:06	7.25	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:06	20.33	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:06	0.93	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:11	511.55	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:11	0.24	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:11	45.12	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:11	-128.2	mv
GN-AP-MW-31VR	pH	4/27/2022 12:11	7.25	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:11	20.25	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:11	1.12	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:16	510.17	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:16	0.28	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:16	46.08	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:16	-131.74	mv
GN-AP-MW-31VR	pH	4/27/2022 12:16	7.26	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:16	20.25	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:16	0.86	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:21	510.39	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:21	0.3	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:21	46.71	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:21	-135.36	mv
GN-AP-MW-31VR	pH	4/27/2022 12:21	7.27	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:21	20.18	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:21	0.92	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:26	510.13	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:26	0.32	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:26	47.36	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:26	-139.07	mv
GN-AP-MW-31VR	pH	4/27/2022 12:26	7.29	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:26	20.33	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:26	1.07	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:31	507.79	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:31	0.33	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:31	48.17	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:31	-143.08	mv
GN-AP-MW-31VR	pH	4/27/2022 12:31	7.32	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:31	20.17	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:31	1.1	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:36	507.74	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:36	0.33	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:36	48.96	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:36	-147.29	mv
GN-AP-MW-31VR	pH	4/27/2022 12:36	7.35	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:36	20.18	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:36	1.71	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:41	505.5	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:41	0.34	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:41	49.72	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:41	-152.09	mv
GN-AP-MW-31VR	pH	4/27/2022 12:41	7.4	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:41	20.2	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:41	1.53	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:46	505.92	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:46	0.34	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:46	50.49	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:46	-156.68	mv
GN-AP-MW-31VR	pH	4/27/2022 12:46	7.45	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:46	20.22	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:46	1.33	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:51	504.84	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:51	0.34	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:51	51.08	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:51	-161.78	mv
GN-AP-MW-31VR	pH	4/27/2022 12:51	7.47	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:51	20.22	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:51	1.21	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 12:56	500.13	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 12:56	0.34	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 12:56	51.9	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 12:56	-170.56	mv
GN-AP-MW-31VR	pH	4/27/2022 12:56	7.48	SU
GN-AP-MW-31VR	Temperature	4/27/2022 12:56	20.22	C
GN-AP-MW-31VR	Turbidity	4/27/2022 12:56	1.25	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:01	496.92	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:01	0.34	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:01	52.73	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:01	-179.6	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	pH	4/27/2022 13:01	7.49	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:01	20.13	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:01	1.03	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:06	495.67	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:06	0.32	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:06	53.41	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:06	-188.75	mv
GN-AP-MW-31VR	pH	4/27/2022 13:06	7.52	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:06	20.4	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:06	1.08	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:11	498.2	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:11	0.37	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:11	53.58	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:11	-201.78	mv
GN-AP-MW-31VR	pH	4/27/2022 13:11	7.68	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:11	21.47	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:11	0.74	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:16	497.09	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:16	0.42	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:16	53.73	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:16	-208.49	mv
GN-AP-MW-31VR	pH	4/27/2022 13:16	7.73	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:16	21.85	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:16	0.84	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:21	497.05	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:21	0.62	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:21	53.9	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:21	-209.69	mv
GN-AP-MW-31VR	pH	4/27/2022 13:21	7.71	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:21	21.82	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:21	0.68	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:26	496.07	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:26	0.71	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:26	54.1	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:26	-210.52	mv
GN-AP-MW-31VR	pH	4/27/2022 13:26	7.71	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:26	21.86	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:26	0.76	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:31	496.14	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:31	0.72	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:31	54.22	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:31	-212.2	mv
GN-AP-MW-31VR	pH	4/27/2022 13:31	7.71	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:31	21.89	C

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	Turbidity	4/27/2022 13:31	0.72	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:36	497.35	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:36	0.69	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:36	54.42	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:36	-213.97	mv
GN-AP-MW-31VR	pH	4/27/2022 13:36	7.71	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:36	21.94	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:36	0.56	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:41	498.75	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:41	0.65	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:41	54.55	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:41	-216.68	mv
GN-AP-MW-31VR	pH	4/27/2022 13:41	7.71	SU
GN-AP-MW-31VR	Temperature	4/27/2022 13:41	21.8	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:41	0.78	NTU
GN-AP-MW-31VR	Conductivity	4/27/2022 13:46	496.83	uS/cm
GN-AP-MW-31VR	DO	4/27/2022 13:46	0.62	mg/L
GN-AP-MW-31VR	Depth to Water Detail	4/27/2022 13:46	54.7	ft
GN-AP-MW-31VR	Oxidation Reduction Potention	4/27/2022 13:46	-219.15	mv
GN-AP-MW-31VR	pH	4/27/2022 13:46	7.71	SU
GN-AP-MW-31VR	Sulfide	4/27/2022 13:46	2	mg/L
GN-AP-MW-31VR	Temperature	4/27/2022 13:46	21.94	C
GN-AP-MW-31VR	Turbidity	4/27/2022 13:46	0.75	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-34V	Conductivity	4/27/2022 8:27	1060.6	uS/cm
GN-AP-MW-34V	DO	4/27/2022 8:27	0.35	mg/L
GN-AP-MW-34V	Depth to Water Detail	4/27/2022 8:27	49.78	ft
GN-AP-MW-34V	Oxidation Reduction Potention	4/27/2022 8:27	-200.38	mv
GN-AP-MW-34V	pH	4/27/2022 8:27	8.06	SU
GN-AP-MW-34V	Temperature	4/27/2022 8:27	18.73	C
GN-AP-MW-34V	Turbidity	4/27/2022 8:27	1.84	NTU
GN-AP-MW-34V	Conductivity	4/27/2022 8:32	1047.92	uS/cm
GN-AP-MW-34V	DO	4/27/2022 8:32	0.32	mg/L
GN-AP-MW-34V	Depth to Water Detail	4/27/2022 8:32	52.27	ft
GN-AP-MW-34V	Oxidation Reduction Potention	4/27/2022 8:32	-188.12	mv
GN-AP-MW-34V	pH	4/27/2022 8:32	8.08	SU
GN-AP-MW-34V	Temperature	4/27/2022 8:32	18.8	C
GN-AP-MW-34V	Turbidity	4/27/2022 8:32	1.34	NTU
GN-AP-MW-34V	Conductivity	4/27/2022 8:37	996.58	uS/cm
GN-AP-MW-34V	DO	4/27/2022 8:37	0.34	mg/L
GN-AP-MW-34V	Depth to Water Detail	4/27/2022 8:37	54.16	ft
GN-AP-MW-34V	Oxidation Reduction Potention	4/27/2022 8:37	-196.68	mv
GN-AP-MW-34V	pH	4/27/2022 8:37	7.95	SU
GN-AP-MW-34V	Temperature	4/27/2022 8:37	18.71	C
GN-AP-MW-34V	Turbidity	4/27/2022 8:37	1.26	NTU
GN-AP-MW-34V	Conductivity	4/27/2022 8:42	993.1	uS/cm
GN-AP-MW-34V	DO	4/27/2022 8:42	0.56	mg/L
GN-AP-MW-34V	Depth to Water Detail	4/27/2022 8:42	54.62	ft
GN-AP-MW-34V	Oxidation Reduction Potention	4/27/2022 8:42	-200.05	mv
GN-AP-MW-34V	pH	4/27/2022 8:42	7.91	SU
GN-AP-MW-34V	Temperature	4/27/2022 8:42	18.19	C
GN-AP-MW-34V	Turbidity	4/27/2022 8:42	1.8	NTU
GN-AP-MW-34V	Conductivity	4/27/2022 8:47	990.43	uS/cm
GN-AP-MW-34V	DO	4/27/2022 8:47	0.62	mg/L
GN-AP-MW-34V	Depth to Water Detail	4/27/2022 8:47	54.74	ft
GN-AP-MW-34V	Oxidation Reduction Potention	4/27/2022 8:47	-203.19	mv
GN-AP-MW-34V	pH	4/27/2022 8:47	7.88	SU
GN-AP-MW-34V	Temperature	4/27/2022 8:47	18.4	C
GN-AP-MW-34V	Turbidity	4/27/2022 8:47	2.02	NTU
GN-AP-MW-34V	Conductivity	4/27/2022 8:52	995.55	uS/cm
GN-AP-MW-34V	DO	4/27/2022 8:52	0.61	mg/L
GN-AP-MW-34V	Depth to Water Detail	4/27/2022 8:52	54.88	ft
GN-AP-MW-34V	Oxidation Reduction Potention	4/27/2022 8:52	-206.72	mv
GN-AP-MW-34V	pH	4/27/2022 8:52	7.86	SU
GN-AP-MW-34V	Sulfide	4/27/2022 8:52	3	mg/L
GN-AP-MW-34V	Temperature	4/27/2022 8:52	18.52	C
GN-AP-MW-34V	Turbidity	4/27/2022 8:52	1.96	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-35V	Conductivity	4/27/2022 9:41	432.65	uS/cm
GN-AP-MW-35V	DO	4/27/2022 9:41	0.35	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 9:41	49.06	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 9:41	-151.44	mv
GN-AP-MW-35V	pH	4/27/2022 9:41	7.67	SU
GN-AP-MW-35V	Temperature	4/27/2022 9:41	19.14	C
GN-AP-MW-35V	Turbidity	4/27/2022 9:41	1.08	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 9:46	439.32	uS/cm
GN-AP-MW-35V	DO	4/27/2022 9:46	0.3	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 9:46	49.7	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 9:46	-169.38	mv
GN-AP-MW-35V	pH	4/27/2022 9:46	7.68	SU
GN-AP-MW-35V	Temperature	4/27/2022 9:46	19.22	C
GN-AP-MW-35V	Turbidity	4/27/2022 9:46	1.39	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 9:51	440.1	uS/cm
GN-AP-MW-35V	DO	4/27/2022 9:51	0.33	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 9:51	50.38	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 9:51	-175.69	mv
GN-AP-MW-35V	pH	4/27/2022 9:51	7.76	SU
GN-AP-MW-35V	Temperature	4/27/2022 9:51	19.22	C
GN-AP-MW-35V	Turbidity	4/27/2022 9:51	1.46	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 9:56	439.77	uS/cm
GN-AP-MW-35V	DO	4/27/2022 9:56	0.41	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 9:56	50.82	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 9:56	-182.15	mv
GN-AP-MW-35V	pH	4/27/2022 9:56	7.85	SU
GN-AP-MW-35V	Temperature	4/27/2022 9:56	19.22	C
GN-AP-MW-35V	Turbidity	4/27/2022 9:56	1.11	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 10:01	439.5	uS/cm
GN-AP-MW-35V	DO	4/27/2022 10:01	0.49	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 10:01	51.19	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 10:01	-187.18	mv
GN-AP-MW-35V	pH	4/27/2022 10:01	7.92	SU
GN-AP-MW-35V	Temperature	4/27/2022 10:01	19.43	C
GN-AP-MW-35V	Turbidity	4/27/2022 10:01	0.96	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 10:06	438.84	uS/cm
GN-AP-MW-35V	DO	4/27/2022 10:06	0.7	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 10:06	51.39	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 10:06	-188.47	mv
GN-AP-MW-35V	pH	4/27/2022 10:06	7.97	SU
GN-AP-MW-35V	Temperature	4/27/2022 10:06	19.43	C
GN-AP-MW-35V	Turbidity	4/27/2022 10:06	1.02	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 10:11	437.53	uS/cm
GN-AP-MW-35V	DO	4/27/2022 10:11	0.79	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 10:11	51.55	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 10:11	-188.71	mv
GN-AP-MW-35V	pH	4/27/2022 10:11	7.98	SU
GN-AP-MW-35V	Temperature	4/27/2022 10:11	19.69	C
GN-AP-MW-35V	Turbidity	4/27/2022 10:11	0.84	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 10:16	439.31	uS/cm
GN-AP-MW-35V	DO	4/27/2022 10:16	0.89	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 10:16	51.71	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 10:16	-187.96	mv
GN-AP-MW-35V	pH	4/27/2022 10:16	7.99	SU
GN-AP-MW-35V	Temperature	4/27/2022 10:16	19.98	C
GN-AP-MW-35V	Turbidity	4/27/2022 10:16	0.77	NTU
GN-AP-MW-35V	Conductivity	4/27/2022 10:21	439.66	uS/cm
GN-AP-MW-35V	DO	4/27/2022 10:21	0.97	mg/L
GN-AP-MW-35V	Depth to Water Detail	4/27/2022 10:21	51.85	ft
GN-AP-MW-35V	Oxidation Reduction Potention	4/27/2022 10:21	-186.99	mv
GN-AP-MW-35V	pH	4/27/2022 10:21	8	SU
GN-AP-MW-35V	Sulfide	4/27/2022 10:21	1	mg/L
GN-AP-MW-35V	Temperature	4/27/2022 10:21	20.13	C
GN-AP-MW-35V	Turbidity	4/27/2022 10:21	0.76	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-32V	Conductivity	4/26/2022 14:08	631.91	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:08	1.13	mg/L
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:08	46.94	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:08	-201.11	mv
GN-AP-MW-32V	pH	4/26/2022 14:08	7.58	SU
GN-AP-MW-32V	Temperature	4/26/2022 14:08	21.24	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:08	1.58	NTU
GN-AP-MW-32V	Conductivity	4/26/2022 14:13	612.82	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:13	0.92	mg/L
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:13	47.29	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:13	-231.27	mv
GN-AP-MW-32V	pH	4/26/2022 14:13	7.64	SU
GN-AP-MW-32V	Temperature	4/26/2022 14:13	21.76	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:13	1.72	NTU
GN-AP-MW-32V	Conductivity	4/26/2022 14:18	636.44	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:18	0.81	mg/L
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:18	47.59	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:18	-252.6	mv
GN-AP-MW-32V	pH	4/26/2022 14:18	7.7	SU
GN-AP-MW-32V	Temperature	4/26/2022 14:18	21.62	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:18	1.52	NTU
GN-AP-MW-32V	Conductivity	4/26/2022 14:23	679.74	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:23	0.77	mg/L
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:23	47.81	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:23	-253.97	mv
GN-AP-MW-32V	pH	4/26/2022 14:23	7.78	SU
GN-AP-MW-32V	Temperature	4/26/2022 14:23	21.44	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:23	1.88	NTU
GN-AP-MW-32V	Conductivity	4/26/2022 14:28	694	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:28	0.79	mg/L
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:28	48.06	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:28	-241.84	mv
GN-AP-MW-32V	pH	4/26/2022 14:28	7.82	SU
GN-AP-MW-32V	Temperature	4/26/2022 14:28	21.41	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:28	1.94	NTU
GN-AP-MW-32V	Conductivity	4/26/2022 14:33	696.84	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:33	0.79	mg/L
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:33	48.16	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:33	-233.29	mv
GN-AP-MW-32V	pH	4/26/2022 14:33	7.84	SU
GN-AP-MW-32V	Temperature	4/26/2022 14:33	21.41	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:33	1.66	NTU
GN-AP-MW-32V	Conductivity	4/26/2022 14:38	697.38	uS/cm
GN-AP-MW-32V	DO	4/26/2022 14:38	0.8	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-32V	Depth to Water Detail	4/26/2022 14:38	48.25	ft
GN-AP-MW-32V	Oxidation Reduction Potention	4/26/2022 14:38	-228.97	mv
GN-AP-MW-32V	pH	4/26/2022 14:38	7.84	SU
GN-AP-MW-32V	Sulfide	4/26/2022 14:38	3	mg/L
GN-AP-MW-32V	Temperature	4/26/2022 14:38	21.4	C
GN-AP-MW-32V	Turbidity	4/26/2022 14:38	1.72	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-37V	Conductivity	4/26/2022 13:02	408.61	uS/cm
GN-AP-MW-37V	DO	4/26/2022 13:02	1.55	mg/L
GN-AP-MW-37V	Depth to Water Detail	4/26/2022 13:02	45.92	ft
GN-AP-MW-37V	Oxidation Reduction Potention	4/26/2022 13:02	-117.73	mv
GN-AP-MW-37V	pH	4/26/2022 13:02	7.58	SU
GN-AP-MW-37V	Temperature	4/26/2022 13:02	20.88	C
GN-AP-MW-37V	Turbidity	4/26/2022 13:02	1.32	NTU
GN-AP-MW-37V	Conductivity	4/26/2022 13:07	409.81	uS/cm
GN-AP-MW-37V	DO	4/26/2022 13:07	0.98	mg/L
GN-AP-MW-37V	Depth to Water Detail	4/26/2022 13:07	46.22	ft
GN-AP-MW-37V	Oxidation Reduction Potention	4/26/2022 13:07	-155.6	mv
GN-AP-MW-37V	pH	4/26/2022 13:07	7.71	SU
GN-AP-MW-37V	Temperature	4/26/2022 13:07	20.91	C
GN-AP-MW-37V	Turbidity	4/26/2022 13:07	1.88	NTU
GN-AP-MW-37V	Conductivity	4/26/2022 13:12	421.27	uS/cm
GN-AP-MW-37V	DO	4/26/2022 13:12	0.82	mg/L
GN-AP-MW-37V	Depth to Water Detail	4/26/2022 13:12	46.41	ft
GN-AP-MW-37V	Oxidation Reduction Potention	4/26/2022 13:12	-167.6	mv
GN-AP-MW-37V	pH	4/26/2022 13:12	7.82	SU
GN-AP-MW-37V	Temperature	4/26/2022 13:12	20.92	C
GN-AP-MW-37V	Turbidity	4/26/2022 13:12	1.67	NTU
GN-AP-MW-37V	Conductivity	4/26/2022 13:17	426.87	uS/cm
GN-AP-MW-37V	DO	4/26/2022 13:17	0.78	mg/L
GN-AP-MW-37V	Depth to Water Detail	4/26/2022 13:17	46.55	ft
GN-AP-MW-37V	Oxidation Reduction Potention	4/26/2022 13:17	-164.98	mv
GN-AP-MW-37V	pH	4/26/2022 13:17	7.88	SU
GN-AP-MW-37V	Temperature	4/26/2022 13:17	21	C
GN-AP-MW-37V	Turbidity	4/26/2022 13:17	1.71	NTU
GN-AP-MW-37V	Conductivity	4/26/2022 13:22	427.89	uS/cm
GN-AP-MW-37V	DO	4/26/2022 13:22	0.77	mg/L
GN-AP-MW-37V	Depth to Water Detail	4/26/2022 13:22	46.69	ft
GN-AP-MW-37V	Oxidation Reduction Potention	4/26/2022 13:22	-160.44	mv
GN-AP-MW-37V	pH	4/26/2022 13:22	7.9	SU
GN-AP-MW-37V	Sulfide	4/26/2022 13:22	0	mg/L
GN-AP-MW-37V	Temperature	4/26/2022 13:22	21.03	C
GN-AP-MW-37V	Turbidity	4/26/2022 13:22	1.04	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-14	Conductivity	4/27/2022 14:55	473.58	uS/cm
GN-AP-MW-14	DO	4/27/2022 14:55	0.37	mg/L
GN-AP-MW-14	Depth to Water Detail	4/27/2022 14:55	28.94	ft
GN-AP-MW-14	Oxidation Reduction Potention	4/27/2022 14:55	-159	mv
GN-AP-MW-14	pH	4/27/2022 14:55	7.33	SU
GN-AP-MW-14	Temperature	4/27/2022 14:55	21.24	C
GN-AP-MW-14	Turbidity	4/27/2022 14:55	0.63	NTU
GN-AP-MW-14	Conductivity	4/27/2022 15:00	474.42	uS/cm
GN-AP-MW-14	DO	4/27/2022 15:00	0.3	mg/L
GN-AP-MW-14	Depth to Water Detail	4/27/2022 15:00	29.01	ft
GN-AP-MW-14	Oxidation Reduction Potention	4/27/2022 15:00	-148.22	mv
GN-AP-MW-14	pH	4/27/2022 15:00	7.13	SU
GN-AP-MW-14	Temperature	4/27/2022 15:00	21.13	C
GN-AP-MW-14	Turbidity	4/27/2022 15:00	0.51	NTU
GN-AP-MW-14	Conductivity	4/27/2022 15:05	475.76	uS/cm
GN-AP-MW-14	DO	4/27/2022 15:05	0.27	mg/L
GN-AP-MW-14	Depth to Water Detail	4/27/2022 15:05	29.08	ft
GN-AP-MW-14	Oxidation Reduction Potention	4/27/2022 15:05	-145.21	mv
GN-AP-MW-14	pH	4/27/2022 15:05	7.07	SU
GN-AP-MW-14	Temperature	4/27/2022 15:05	21.1	C
GN-AP-MW-14	Turbidity	4/27/2022 15:05	0.38	NTU
GN-AP-MW-14	Conductivity	4/27/2022 15:10	480.02	uS/cm
GN-AP-MW-14	DO	4/27/2022 15:10	0.25	mg/L
GN-AP-MW-14	Depth to Water Detail	4/27/2022 15:10	29.14	ft
GN-AP-MW-14	Oxidation Reduction Potention	4/27/2022 15:10	-140.65	mv
GN-AP-MW-14	pH	4/27/2022 15:10	7.07	SU
GN-AP-MW-14	Sulfide	4/27/2022 15:10	0	mg/L
GN-AP-MW-14	Temperature	4/27/2022 15:10	21.14	C
GN-AP-MW-14	Turbidity	4/27/2022 15:10	0.57	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-16	Conductivity	4/27/2022 11:45	565.57	uS/cm
GN-AP-MW-16	DO	4/27/2022 11:45	0.29	mg/L
GN-AP-MW-16	Depth to Water Detail	4/27/2022 11:45	23.11	ft
GN-AP-MW-16	Oxidation Reduction Potention	4/27/2022 11:45	-121.26	mv
GN-AP-MW-16	pH	4/27/2022 11:45	8.28	SU
GN-AP-MW-16	Temperature	4/27/2022 11:45	20.54	C
GN-AP-MW-16	Turbidity	4/27/2022 11:45	7.71	NTU
GN-AP-MW-16	Conductivity	4/27/2022 11:50	567.96	uS/cm
GN-AP-MW-16	DO	4/27/2022 11:50	0.23	mg/L
GN-AP-MW-16	Depth to Water Detail	4/27/2022 11:50	23.13	ft
GN-AP-MW-16	Oxidation Reduction Potention	4/27/2022 11:50	-133.38	mv
GN-AP-MW-16	pH	4/27/2022 11:50	8.18	SU
GN-AP-MW-16	Temperature	4/27/2022 11:50	20.58	C
GN-AP-MW-16	Turbidity	4/27/2022 11:50	3.34	NTU
GN-AP-MW-16	Conductivity	4/27/2022 11:55	570.87	uS/cm
GN-AP-MW-16	DO	4/27/2022 11:55	0.22	mg/L
GN-AP-MW-16	Depth to Water Detail	4/27/2022 11:55	23.16	ft
GN-AP-MW-16	Oxidation Reduction Potention	4/27/2022 11:55	-143.99	mv
GN-AP-MW-16	pH	4/27/2022 11:55	8.18	SU
GN-AP-MW-16	Temperature	4/27/2022 11:55	20.59	C
GN-AP-MW-16	Turbidity	4/27/2022 11:55	2.3	NTU
GN-AP-MW-16	Conductivity	4/27/2022 12:00	571.95	uS/cm
GN-AP-MW-16	DO	4/27/2022 12:00	0.21	mg/L
GN-AP-MW-16	Depth to Water Detail	4/27/2022 12:00	23.17	ft
GN-AP-MW-16	Oxidation Reduction Potention	4/27/2022 12:00	-149.34	mv
GN-AP-MW-16	pH	4/27/2022 12:00	8.17	SU
GN-AP-MW-16	Sulfide	4/27/2022 12:00	0	mg/L
GN-AP-MW-16	Temperature	4/27/2022 12:00	20.63	C
GN-AP-MW-16	Turbidity	4/27/2022 12:00	2.21	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-16V	Conductivity	4/27/2022 9:53	527.28	uS/cm
GN-AP-MW-16V	DO	4/27/2022 9:53	0.86	mg/L
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 9:53	20.82	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 9:53	-94.63	mv
GN-AP-MW-16V	pH	4/27/2022 9:53	7.99	SU
GN-AP-MW-16V	Temperature	4/27/2022 9:53	18.74	C
GN-AP-MW-16V	Turbidity	4/27/2022 9:53	3.12	NTU
GN-AP-MW-16V	Conductivity	4/27/2022 9:58	531.84	uS/cm
GN-AP-MW-16V	DO	4/27/2022 9:58	0.7	mg/L
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 9:58	21.2	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 9:58	-99.89	mv
GN-AP-MW-16V	pH	4/27/2022 9:58	8.34	SU
GN-AP-MW-16V	Temperature	4/27/2022 9:58	18.88	C
GN-AP-MW-16V	Turbidity	4/27/2022 9:58	1.2	NTU
GN-AP-MW-16V	Conductivity	4/27/2022 10:03	531.35	uS/cm
GN-AP-MW-16V	DO	4/27/2022 10:03	0.67	mg/L
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 10:03	21.5	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 10:03	-106.77	mv
GN-AP-MW-16V	pH	4/27/2022 10:03	8.38	SU
GN-AP-MW-16V	Temperature	4/27/2022 10:03	18.95	C
GN-AP-MW-16V	Turbidity	4/27/2022 10:03	1.09	NTU
GN-AP-MW-16V	Conductivity	4/27/2022 10:08	530.55	uS/cm
GN-AP-MW-16V	DO	4/27/2022 10:08	0.69	mg/L
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 10:08	21.86	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 10:08	-111.37	mv
GN-AP-MW-16V	pH	4/27/2022 10:08	8.41	SU
GN-AP-MW-16V	Temperature	4/27/2022 10:08	19.03	C
GN-AP-MW-16V	Turbidity	4/27/2022 10:08	0.7	NTU
GN-AP-MW-16V	Conductivity	4/27/2022 10:13	528.94	uS/cm
GN-AP-MW-16V	DO	4/27/2022 10:13	0.87	mg/L
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 10:13	21.89	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 10:13	-110.57	mv
GN-AP-MW-16V	pH	4/27/2022 10:13	8.43	SU
GN-AP-MW-16V	Temperature	4/27/2022 10:13	18.85	C
GN-AP-MW-16V	Turbidity	4/27/2022 10:13	0.61	NTU
GN-AP-MW-16V	Conductivity	4/27/2022 10:18	528.2	uS/cm
GN-AP-MW-16V	DO	4/27/2022 10:18	0.89	mg/L
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 10:18	21.89	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 10:18	-109.45	mv
GN-AP-MW-16V	pH	4/27/2022 10:18	8.45	SU
GN-AP-MW-16V	Temperature	4/27/2022 10:18	18.76	C
GN-AP-MW-16V	Turbidity	4/27/2022 10:18	0.59	NTU
GN-AP-MW-16V	Conductivity	4/27/2022 10:23	527.52	uS/cm
GN-AP-MW-16V	DO	4/27/2022 10:23	0.91	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-16V	Depth to Water Detail	4/27/2022 10:23	21.89	ft
GN-AP-MW-16V	Oxidation Reduction Potention	4/27/2022 10:23	-108.35	mv
GN-AP-MW-16V	pH	4/27/2022 10:23	8.45	SU
GN-AP-MW-16V	Sulfide	4/27/2022 10:23	0	mg/L
GN-AP-MW-16V	Temperature	4/27/2022 10:23	18.8	C
GN-AP-MW-16V	Turbidity	4/27/2022 10:23	0.92	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17V	Conductivity	4/26/2022 12:13	783.28	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:13	0.68	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:13	10.05	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:13	-164.16	mv
GN-AP-MW-17V	pH	4/26/2022 12:13	8.31	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:13	20.35	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:13	2.49	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:18	728.19	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:18	0.63	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:18	13.83	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:18	-175.22	mv
GN-AP-MW-17V	pH	4/26/2022 12:18	8.25	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:18	20.38	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:18	2.97	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:23	749.96	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:23	0.58	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:23	16.84	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:23	-180.67	mv
GN-AP-MW-17V	pH	4/26/2022 12:23	8.26	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:23	20.4	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:23	2.68	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:28	746.84	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:28	0.64	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:28	19.6	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:28	-175.1	mv
GN-AP-MW-17V	pH	4/26/2022 12:28	8.24	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:28	20.48	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:28	1.85	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:33	494.16	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:33	1.37	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:33	20.36	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:33	-148.18	mv
GN-AP-MW-17V	pH	4/26/2022 12:33	8.19	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:33	20.38	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:33	1.74	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:38	625.06	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:38	1.71	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:38	20.91	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:38	-140.02	mv
GN-AP-MW-17V	pH	4/26/2022 12:38	8.19	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:38	20.5	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:38	2.24	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:43	758.23	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:43	2.12	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:43	21.06	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:43	-134.75	mv
GN-AP-MW-17V	pH	4/26/2022 12:43	8.21	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:43	20.42	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:43	3.01	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:48	602.4	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:48	2.44	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:48	21.14	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:48	-132.18	mv
GN-AP-MW-17V	pH	4/26/2022 12:48	8.25	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:48	20.37	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:48	2.45	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:53	736.25	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:53	2.54	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:53	21.36	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:53	-132.96	mv
GN-AP-MW-17V	pH	4/26/2022 12:53	8.31	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:53	20.34	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:53	2.6	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 12:58	737.49	uS/cm
GN-AP-MW-17V	DO	4/26/2022 12:58	2.59	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 12:58	21.5	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 12:58	-132.58	mv
GN-AP-MW-17V	pH	4/26/2022 12:58	8.33	SU
GN-AP-MW-17V	Temperature	4/26/2022 12:58	20.27	C
GN-AP-MW-17V	Turbidity	4/26/2022 12:58	2.68	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 13:03	490.74	uS/cm
GN-AP-MW-17V	DO	4/26/2022 13:03	2.61	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 13:03	21.63	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 13:03	-133.46	mv
GN-AP-MW-17V	pH	4/26/2022 13:03	8.35	SU
GN-AP-MW-17V	Temperature	4/26/2022 13:03	20.27	C
GN-AP-MW-17V	Turbidity	4/26/2022 13:03	2.77	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 13:08	792.73	uS/cm
GN-AP-MW-17V	DO	4/26/2022 13:08	2.83	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 13:08	21.88	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 13:08	-137.74	mv
GN-AP-MW-17V	pH	4/26/2022 13:08	8.36	SU
GN-AP-MW-17V	Temperature	4/26/2022 13:08	20.29	C
GN-AP-MW-17V	Turbidity	4/26/2022 13:08	3.41	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 13:13	800.82	uS/cm
GN-AP-MW-17V	DO	4/26/2022 13:13	2.71	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 13:13	22.03	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 13:13	-138.95	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17V	pH	4/26/2022 13:13	8.37	SU
GN-AP-MW-17V	Temperature	4/26/2022 13:13	20.34	C
GN-AP-MW-17V	Turbidity	4/26/2022 13:13	2.62	NTU
GN-AP-MW-17V	Conductivity	4/26/2022 13:18	807.96	uS/cm
GN-AP-MW-17V	DO	4/26/2022 13:18	2.9	mg/L
GN-AP-MW-17V	Depth to Water Detail	4/26/2022 13:18	22.15	ft
GN-AP-MW-17V	Oxidation Reduction Potention	4/26/2022 13:18	-140.8	mv
GN-AP-MW-17V	pH	4/26/2022 13:18	8.39	SU
GN-AP-MW-17V	Sulfide	4/26/2022 13:18	0	mg/L
GN-AP-MW-17V	Temperature	4/26/2022 13:18	20.52	C
GN-AP-MW-17V	Turbidity	4/26/2022 13:18	2.73	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-18	Conductivity	4/26/2022 11:12	823.17	uS/cm
GN-AP-MW-18	DO	4/26/2022 11:12	0.2	mg/L
GN-AP-MW-18	Depth to Water Detail	4/26/2022 11:12	20.24	ft
GN-AP-MW-18	Oxidation Reduction Potention	4/26/2022 11:12	50.72	mv
GN-AP-MW-18	pH	4/26/2022 11:12	6.81	SU
GN-AP-MW-18	Temperature	4/26/2022 11:12	19.29	C
GN-AP-MW-18	Turbidity	4/26/2022 11:12	5.36	NTU
GN-AP-MW-18	Conductivity	4/26/2022 11:17	866.32	uS/cm
GN-AP-MW-18	DO	4/26/2022 11:17	0.17	mg/L
GN-AP-MW-18	Depth to Water Detail	4/26/2022 11:17	20.24	ft
GN-AP-MW-18	Oxidation Reduction Potention	4/26/2022 11:17	63.23	mv
GN-AP-MW-18	pH	4/26/2022 11:17	6.78	SU
GN-AP-MW-18	Temperature	4/26/2022 11:17	19.31	C
GN-AP-MW-18	Turbidity	4/26/2022 11:17	2.57	NTU
GN-AP-MW-18	Conductivity	4/26/2022 11:22	890.61	uS/cm
GN-AP-MW-18	DO	4/26/2022 11:22	0.16	mg/L
GN-AP-MW-18	Depth to Water Detail	4/26/2022 11:22	20.24	ft
GN-AP-MW-18	Oxidation Reduction Potention	4/26/2022 11:22	52.61	mv
GN-AP-MW-18	pH	4/26/2022 11:22	6.77	SU
GN-AP-MW-18	Temperature	4/26/2022 11:22	19.32	C
GN-AP-MW-18	Turbidity	4/26/2022 11:22	1.44	NTU
GN-AP-MW-18	Conductivity	4/26/2022 11:27	893.68	uS/cm
GN-AP-MW-18	DO	4/26/2022 11:27	0.16	mg/L
GN-AP-MW-18	Depth to Water Detail	4/26/2022 11:27	20.24	ft
GN-AP-MW-18	Oxidation Reduction Potention	4/26/2022 11:27	36.44	mv
GN-AP-MW-18	pH	4/26/2022 11:27	6.77	SU
GN-AP-MW-18	Sulfide	4/26/2022 11:27	0	mg/L
GN-AP-MW-18	Temperature	4/26/2022 11:27	19.31	C
GN-AP-MW-18	Turbidity	4/26/2022 11:27	1.09	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-29H	Conductivity	4/26/2022 14:33	569.27	uS/cm
GN-AP-MW-29H	DO	4/26/2022 14:33	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 14:33	10.86	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 14:33	-202.06	mv
GN-AP-MW-29H	pH	4/26/2022 14:33	8.39	SU
GN-AP-MW-29H	Temperature	4/26/2022 14:33	20.5	C
GN-AP-MW-29H	Turbidity	4/26/2022 14:33	1.47	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 14:38	567.96	uS/cm
GN-AP-MW-29H	DO	4/26/2022 14:38	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 14:38	13.76	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 14:38	-224.2	mv
GN-AP-MW-29H	pH	4/26/2022 14:38	8.23	SU
GN-AP-MW-29H	Temperature	4/26/2022 14:38	20.44	C
GN-AP-MW-29H	Turbidity	4/26/2022 14:38	1	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 14:43	567.43	uS/cm
GN-AP-MW-29H	DO	4/26/2022 14:43	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 14:43	16.41	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 14:43	-228.42	mv
GN-AP-MW-29H	pH	4/26/2022 14:43	8.13	SU
GN-AP-MW-29H	Temperature	4/26/2022 14:43	20.53	C
GN-AP-MW-29H	Turbidity	4/26/2022 14:43	1.32	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 14:48	566.94	uS/cm
GN-AP-MW-29H	DO	4/26/2022 14:48	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 14:48	19.91	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 14:48	-230.61	mv
GN-AP-MW-29H	pH	4/26/2022 14:48	8.1	SU
GN-AP-MW-29H	Temperature	4/26/2022 14:48	20.68	C
GN-AP-MW-29H	Turbidity	4/26/2022 14:48	1.28	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 14:53	566.95	uS/cm
GN-AP-MW-29H	DO	4/26/2022 14:53	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 14:53	22.68	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 14:53	-232.86	mv
GN-AP-MW-29H	pH	4/26/2022 14:53	8.1	SU
GN-AP-MW-29H	Temperature	4/26/2022 14:53	20.82	C
GN-AP-MW-29H	Turbidity	4/26/2022 14:53	0.98	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 14:58	567.16	uS/cm
GN-AP-MW-29H	DO	4/26/2022 14:58	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 14:58	25.42	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 14:58	-235.14	mv
GN-AP-MW-29H	pH	4/26/2022 14:58	8.12	SU
GN-AP-MW-29H	Temperature	4/26/2022 14:58	20.71	C
GN-AP-MW-29H	Turbidity	4/26/2022 14:58	1.41	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 15:03	567.6	uS/cm
GN-AP-MW-29H	DO	4/26/2022 15:03	0.18	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 15:03	29.22	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 15:03	-238.3	mv
GN-AP-MW-29H	pH	4/26/2022 15:03	8.14	SU
GN-AP-MW-29H	Temperature	4/26/2022 15:03	20.81	C
GN-AP-MW-29H	Turbidity	4/26/2022 15:03	1.1	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 15:08	567.44	uS/cm
GN-AP-MW-29H	DO	4/26/2022 15:08	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 15:08	32.86	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 15:08	-240.19	mv
GN-AP-MW-29H	pH	4/26/2022 15:08	8.15	SU
GN-AP-MW-29H	Temperature	4/26/2022 15:08	20.91	C
GN-AP-MW-29H	Turbidity	4/26/2022 15:08	1.26	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 15:13	566.98	uS/cm
GN-AP-MW-29H	DO	4/26/2022 15:13	0.18	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 15:13	34.24	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 15:13	-240.33	mv
GN-AP-MW-29H	pH	4/26/2022 15:13	8.15	SU
GN-AP-MW-29H	Temperature	4/26/2022 15:13	21	C
GN-AP-MW-29H	Turbidity	4/26/2022 15:13	1.14	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 15:18	568.13	uS/cm
GN-AP-MW-29H	DO	4/26/2022 15:18	0.45	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 15:18	34.26	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 15:18	-227.88	mv
GN-AP-MW-29H	pH	4/26/2022 15:18	8.14	SU
GN-AP-MW-29H	Temperature	4/26/2022 15:18	22.37	C
GN-AP-MW-29H	Turbidity	4/26/2022 15:18	1.31	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 15:23	566.56	uS/cm
GN-AP-MW-29H	DO	4/26/2022 15:23	0.46	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 15:23	34.31	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 15:23	-225.08	mv
GN-AP-MW-29H	pH	4/26/2022 15:23	8.21	SU
GN-AP-MW-29H	Temperature	4/26/2022 15:23	21.44	C
GN-AP-MW-29H	Turbidity	4/26/2022 15:23	1.14	NTU
GN-AP-MW-29H	Conductivity	4/26/2022 15:28	567.43	uS/cm
GN-AP-MW-29H	DO	4/26/2022 15:28	0.52	mg/L
GN-AP-MW-29H	Depth to Water Detail	4/26/2022 15:28	34.38	ft
GN-AP-MW-29H	Oxidation Reduction Potention	4/26/2022 15:28	-219.37	mv
GN-AP-MW-29H	pH	4/26/2022 15:28	8.29	SU
GN-AP-MW-29H	Sulfide	4/26/2022 15:28	0	mg/L
GN-AP-MW-29H	Temperature	4/26/2022 15:28	21.45	C
GN-AP-MW-29H	Turbidity	4/26/2022 15:28	1.36	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-28H	Conductivity	4/27/2022 13:03	452.15	uS/cm
GN-AP-MW-28H	DO	4/27/2022 13:03	0.2	mg/L
GN-AP-MW-28H	Depth to Water Detail	4/27/2022 13:03	16.42	ft
GN-AP-MW-28H	Oxidation Reduction Potention	4/27/2022 13:03	-191.45	mv
GN-AP-MW-28H	pH	4/27/2022 13:03	8.11	SU
GN-AP-MW-28H	Temperature	4/27/2022 13:03	21.19	C
GN-AP-MW-28H	Turbidity	4/27/2022 13:03	0.68	NTU
GN-AP-MW-28H	Conductivity	4/27/2022 13:08	455.36	uS/cm
GN-AP-MW-28H	DO	4/27/2022 13:08	0.19	mg/L
GN-AP-MW-28H	Depth to Water Detail	4/27/2022 13:08	16.91	ft
GN-AP-MW-28H	Oxidation Reduction Potention	4/27/2022 13:08	-182.58	mv
GN-AP-MW-28H	pH	4/27/2022 13:08	7.95	SU
GN-AP-MW-28H	Temperature	4/27/2022 13:08	21.12	C
GN-AP-MW-28H	Turbidity	4/27/2022 13:08	0.4	NTU
GN-AP-MW-28H	Conductivity	4/27/2022 13:13	454.17	uS/cm
GN-AP-MW-28H	DO	4/27/2022 13:13	0.19	mg/L
GN-AP-MW-28H	Depth to Water Detail	4/27/2022 13:13	17.3	ft
GN-AP-MW-28H	Oxidation Reduction Potention	4/27/2022 13:13	-174.73	mv
GN-AP-MW-28H	pH	4/27/2022 13:13	7.85	SU
GN-AP-MW-28H	Temperature	4/27/2022 13:13	21.05	C
GN-AP-MW-28H	Turbidity	4/27/2022 13:13	0.34	NTU
GN-AP-MW-28H	Conductivity	4/27/2022 13:18	454.51	uS/cm
GN-AP-MW-28H	DO	4/27/2022 13:18	0.19	mg/L
GN-AP-MW-28H	Depth to Water Detail	4/27/2022 13:18	17.4	ft
GN-AP-MW-28H	Oxidation Reduction Potention	4/27/2022 13:18	-170.91	mv
GN-AP-MW-28H	pH	4/27/2022 13:18	7.83	SU
GN-AP-MW-28H	Temperature	4/27/2022 13:18	21.11	C
GN-AP-MW-28H	Turbidity	4/27/2022 13:18	0.89	NTU
GN-AP-MW-28H	Conductivity	4/27/2022 13:23	452.94	uS/cm
GN-AP-MW-28H	DO	4/27/2022 13:23	0.18	mg/L
GN-AP-MW-28H	Depth to Water Detail	4/27/2022 13:23	17.56	ft
GN-AP-MW-28H	Oxidation Reduction Potention	4/27/2022 13:23	-169.68	mv
GN-AP-MW-28H	pH	4/27/2022 13:23	7.83	SU
GN-AP-MW-28H	Sulfide	4/27/2022 13:23	0	mg/L
GN-AP-MW-28H	Temperature	4/27/2022 13:23	21.2	C
GN-AP-MW-28H	Turbidity	4/27/2022 13:23	1.77	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-3	Conductivity	5/3/2022 8:02	259.29	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:02	3.85	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:02	23.09	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:02	31.03	mv
GN-AP-MW-3	pH	5/3/2022 8:02	7.71	SU
GN-AP-MW-3	Temperature	5/3/2022 8:02	18.95	C
GN-AP-MW-3	Turbidity	5/3/2022 8:02	0.8	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:07	258.46	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:07	4.09	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:07	23.89	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:07	35.78	mv
GN-AP-MW-3	pH	5/3/2022 8:07	7.71	SU
GN-AP-MW-3	Temperature	5/3/2022 8:07	18.87	C
GN-AP-MW-3	Turbidity	5/3/2022 8:07	0.93	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:12	257.72	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:12	4.26	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:12	24.51	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:12	41.3	mv
GN-AP-MW-3	pH	5/3/2022 8:12	7.72	SU
GN-AP-MW-3	Temperature	5/3/2022 8:12	18.87	C
GN-AP-MW-3	Turbidity	5/3/2022 8:12	0.74	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:17	257.53	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:17	4.36	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:17	24.86	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:17	47.09	mv
GN-AP-MW-3	pH	5/3/2022 8:17	7.72	SU
GN-AP-MW-3	Temperature	5/3/2022 8:17	18.79	C
GN-AP-MW-3	Turbidity	5/3/2022 8:17	0.75	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:22	257.55	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:22	4.39	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:22	25.16	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:22	50.98	mv
GN-AP-MW-3	pH	5/3/2022 8:22	7.72	SU
GN-AP-MW-3	Temperature	5/3/2022 8:22	18.83	C
GN-AP-MW-3	Turbidity	5/3/2022 8:22	0.77	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:27	257.31	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:27	4.38	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:27	25.33	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:27	54.87	mv
GN-AP-MW-3	pH	5/3/2022 8:27	7.72	SU
GN-AP-MW-3	Temperature	5/3/2022 8:27	18.75	C
GN-AP-MW-3	Turbidity	5/3/2022 8:27	0.76	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:32	256.78	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:32	4.41	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:32	25.58	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:32	57.04	mv
GN-AP-MW-3	pH	5/3/2022 8:32	7.72	SU
GN-AP-MW-3	Temperature	5/3/2022 8:32	18.75	C
GN-AP-MW-3	Turbidity	5/3/2022 8:32	0.71	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:37	256.25	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:37	4.42	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:37	25.72	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:37	59	mv
GN-AP-MW-3	pH	5/3/2022 8:37	7.73	SU
GN-AP-MW-3	Temperature	5/3/2022 8:37	18.79	C
GN-AP-MW-3	Turbidity	5/3/2022 8:37	0.68	NTU
GN-AP-MW-3	Conductivity	5/3/2022 8:42	250.96	uS/cm
GN-AP-MW-3	DO	5/3/2022 8:42	4.44	mg/L
GN-AP-MW-3	Depth to Water Detail	5/3/2022 8:42	25.86	ft
GN-AP-MW-3	Oxidation Reduction Potention	5/3/2022 8:42	61.28	mv
GN-AP-MW-3	pH	5/3/2022 8:42	7.72	SU
GN-AP-MW-3	Sulfide	5/3/2022 8:42	0	mg/L
GN-AP-MW-3	Temperature	5/3/2022 8:42	18.83	C
GN-AP-MW-3	Turbidity	5/3/2022 8:42	0.71	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-4	Conductivity	5/2/2022 13:55	478.22	uS/cm
GN-AP-MW-4	DO	5/2/2022 13:55	0.8	mg/L
GN-AP-MW-4	Depth to Water Detail	5/2/2022 13:55	19.56	ft
GN-AP-MW-4	Oxidation Reduction Potention	5/2/2022 13:55	53.08	mv
GN-AP-MW-4	pH	5/2/2022 13:55	6.58	SU
GN-AP-MW-4	Temperature	5/2/2022 13:55	19.81	C
GN-AP-MW-4	Turbidity	5/2/2022 13:55	4.29	NTU
GN-AP-MW-4	Conductivity	5/2/2022 14:00	470.69	uS/cm
GN-AP-MW-4	DO	5/2/2022 14:00	1.06	mg/L
GN-AP-MW-4	Depth to Water Detail	5/2/2022 14:00	19.58	ft
GN-AP-MW-4	Oxidation Reduction Potention	5/2/2022 14:00	58.39	mv
GN-AP-MW-4	pH	5/2/2022 14:00	6.6	SU
GN-AP-MW-4	Temperature	5/2/2022 14:00	19.67	C
GN-AP-MW-4	Turbidity	5/2/2022 14:00	2.8	NTU
GN-AP-MW-4	Conductivity	5/2/2022 14:05	465.28	uS/cm
GN-AP-MW-4	DO	5/2/2022 14:05	1.17	mg/L
GN-AP-MW-4	Depth to Water Detail	5/2/2022 14:05	19.58	ft
GN-AP-MW-4	Oxidation Reduction Potention	5/2/2022 14:05	62.21	mv
GN-AP-MW-4	pH	5/2/2022 14:05	6.64	SU
GN-AP-MW-4	Temperature	5/2/2022 14:05	19.6	C
GN-AP-MW-4	Turbidity	5/2/2022 14:05	3.19	NTU
GN-AP-MW-4	Conductivity	5/2/2022 14:10	463.16	uS/cm
GN-AP-MW-4	DO	5/2/2022 14:10	1.22	mg/L
GN-AP-MW-4	Depth to Water Detail	5/2/2022 14:10	19.58	ft
GN-AP-MW-4	Oxidation Reduction Potention	5/2/2022 14:10	64.19	mv
GN-AP-MW-4	pH	5/2/2022 14:10	6.68	SU
GN-AP-MW-4	Sulfide	5/2/2022 14:10	0	mg/L
GN-AP-MW-4	Temperature	5/2/2022 14:10	19.58	C
GN-AP-MW-4	Turbidity	5/2/2022 14:10	2.74	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-5	Conductivity	5/3/2022 9:57	408.74	uS/cm
GN-AP-MW-5	DO	5/3/2022 9:57	4.6	mg/L
GN-AP-MW-5	Depth to Water Detail	5/3/2022 9:57	16.71	ft
GN-AP-MW-5	Oxidation Reduction Potention	5/3/2022 9:57	97.71	mv
GN-AP-MW-5	pH	5/3/2022 9:57	6.83	SU
GN-AP-MW-5	Temperature	5/3/2022 9:57	20.38	C
GN-AP-MW-5	Turbidity	5/3/2022 9:57	4.18	NTU
GN-AP-MW-5	Conductivity	5/3/2022 10:02	401.91	uS/cm
GN-AP-MW-5	DO	5/3/2022 10:02	4.84	mg/L
GN-AP-MW-5	Depth to Water Detail	5/3/2022 10:02	16.71	ft
GN-AP-MW-5	Oxidation Reduction Potention	5/3/2022 10:02	97.31	mv
GN-AP-MW-5	pH	5/3/2022 10:02	6.85	SU
GN-AP-MW-5	Temperature	5/3/2022 10:02	20.23	C
GN-AP-MW-5	Turbidity	5/3/2022 10:02	3.71	NTU
GN-AP-MW-5	Conductivity	5/3/2022 10:07	400.44	uS/cm
GN-AP-MW-5	DO	5/3/2022 10:07	4.87	mg/L
GN-AP-MW-5	Depth to Water Detail	5/3/2022 10:07	16.71	ft
GN-AP-MW-5	Oxidation Reduction Potention	5/3/2022 10:07	95.56	mv
GN-AP-MW-5	pH	5/3/2022 10:07	6.92	SU
GN-AP-MW-5	Temperature	5/3/2022 10:07	20.18	C
GN-AP-MW-5	Turbidity	5/3/2022 10:07	3.54	NTU
GN-AP-MW-5	Conductivity	5/3/2022 10:12	399.87	uS/cm
GN-AP-MW-5	DO	5/3/2022 10:12	4.91	mg/L
GN-AP-MW-5	Depth to Water Detail	5/3/2022 10:12	16.71	ft
GN-AP-MW-5	Oxidation Reduction Potention	5/3/2022 10:12	93.42	mv
GN-AP-MW-5	pH	5/3/2022 10:12	7.01	SU
GN-AP-MW-5	Sulfide	5/3/2022 10:12	0	mg/L
GN-AP-MW-5	Temperature	5/3/2022 10:12	20.1	C
GN-AP-MW-5	Turbidity	5/3/2022 10:12	3.52	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-15R	Conductivity	5/2/2022 11:15	886.14	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:15	1.08	mg/L
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:15	43.71	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:15	-5.81	mv
GN-AP-MW-15R	pH	5/2/2022 11:15	7.37	SU
GN-AP-MW-15R	Temperature	5/2/2022 11:15	20.09	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:15	0.88	NTU
GN-AP-MW-15R	Conductivity	5/2/2022 11:20	885.75	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:20	0.85	mg/L
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:20	44.28	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:20	-10.93	mv
GN-AP-MW-15R	pH	5/2/2022 11:20	7.44	SU
GN-AP-MW-15R	Temperature	5/2/2022 11:20	20.11	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:20	1.01	NTU
GN-AP-MW-15R	Conductivity	5/2/2022 11:25	885.17	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:25	0.79	mg/L
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:25	44.66	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:25	-15.91	mv
GN-AP-MW-15R	pH	5/2/2022 11:25	7.48	SU
GN-AP-MW-15R	Temperature	5/2/2022 11:25	20.17	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:25	0.98	NTU
GN-AP-MW-15R	Conductivity	5/2/2022 11:30	884.47	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:30	0.85	mg/L
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:30	44.81	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:30	-18.63	mv
GN-AP-MW-15R	pH	5/2/2022 11:30	7.48	SU
GN-AP-MW-15R	Temperature	5/2/2022 11:30	20.26	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:30	0.86	NTU
GN-AP-MW-15R	Conductivity	5/2/2022 11:35	884.38	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:35	0.84	mg/L
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:35	45.17	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:35	-19.03	mv
GN-AP-MW-15R	pH	5/2/2022 11:35	7.48	SU
GN-AP-MW-15R	Temperature	5/2/2022 11:35	20.17	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:35	0.89	NTU
GN-AP-MW-15R	Conductivity	5/2/2022 11:40	884.1	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:40	0.85	mg/L
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:40	45.24	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:40	-19.34	mv
GN-AP-MW-15R	pH	5/2/2022 11:40	7.48	SU
GN-AP-MW-15R	Temperature	5/2/2022 11:40	20.22	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:40	0.92	NTU
GN-AP-MW-15R	Conductivity	5/2/2022 11:45	883.92	uS/cm
GN-AP-MW-15R	DO	5/2/2022 11:45	0.8	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-15R	Depth to Water Detail	5/2/2022 11:45	45.3	ft
GN-AP-MW-15R	Oxidation Reduction Potention	5/2/2022 11:45	-20.15	mv
GN-AP-MW-15R	pH	5/2/2022 11:45	7.49	SU
GN-AP-MW-15R	Sulfide	5/2/2022 11:45	0	mg/L
GN-AP-MW-15R	Temperature	5/2/2022 11:45	20.19	C
GN-AP-MW-15R	Turbidity	5/2/2022 11:45	0.84	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-30H	Conductivity	5/2/2022 9:50	918.5	uS/cm
GN-AP-MW-30H	DO	5/2/2022 9:50	0.62	mg/L
GN-AP-MW-30H	Depth to Water Detail	5/2/2022 9:50	43.8	ft
GN-AP-MW-30H	Oxidation Reduction Potention	5/2/2022 9:50	-62.63	mv
GN-AP-MW-30H	pH	5/2/2022 9:50	7.23	SU
GN-AP-MW-30H	Temperature	5/2/2022 9:50	19.75	C
GN-AP-MW-30H	Turbidity	5/2/2022 9:50	1.5	NTU
GN-AP-MW-30H	Conductivity	5/2/2022 9:55	846.22	uS/cm
GN-AP-MW-30H	DO	5/2/2022 9:55	0.54	mg/L
GN-AP-MW-30H	Depth to Water Detail	5/2/2022 9:55	44.38	ft
GN-AP-MW-30H	Oxidation Reduction Potention	5/2/2022 9:55		mv
GN-AP-MW-30H	pH	5/2/2022 9:55		SU
GN-AP-MW-30H	Temperature	5/2/2022 9:55	19.77	C
GN-AP-MW-30H	Turbidity	5/2/2022 9:55	1.47	NTU
GN-AP-MW-30H	Conductivity	5/2/2022 10:00	790.13	uS/cm
GN-AP-MW-30H	DO	5/2/2022 10:00	0.54	mg/L
GN-AP-MW-30H	Depth to Water Detail	5/2/2022 10:00	44.57	ft
GN-AP-MW-30H	Oxidation Reduction Potention	5/2/2022 10:00	-72.78	mv
GN-AP-MW-30H	pH	5/2/2022 10:00	7.19	SU
GN-AP-MW-30H	Temperature	5/2/2022 10:00	19.75	C
GN-AP-MW-30H	Turbidity	5/2/2022 10:00	1.45	NTU
GN-AP-MW-30H	Conductivity	5/2/2022 10:05	752.49	uS/cm
GN-AP-MW-30H	DO	5/2/2022 10:05	0.51	mg/L
GN-AP-MW-30H	Depth to Water Detail	5/2/2022 10:05	44.67	ft
GN-AP-MW-30H	Oxidation Reduction Potention	5/2/2022 10:05	-69.33	mv
GN-AP-MW-30H	pH	5/2/2022 10:05	7.17	SU
GN-AP-MW-30H	Temperature	5/2/2022 10:05	19.79	C
GN-AP-MW-30H	Turbidity	5/2/2022 10:05	1.58	NTU
GN-AP-MW-30H	Conductivity	5/2/2022 10:10	732.82	uS/cm
GN-AP-MW-30H	DO	5/2/2022 10:10	0.48	mg/L
GN-AP-MW-30H	Depth to Water Detail	5/2/2022 10:10	44.71	ft
GN-AP-MW-30H	Oxidation Reduction Potention	5/2/2022 10:10	-65.52	mv
GN-AP-MW-30H	pH	5/2/2022 10:10	7.15	SU
GN-AP-MW-30H	Temperature	5/2/2022 10:10	19.78	C
GN-AP-MW-30H	Turbidity	5/2/2022 10:10	1.32	NTU
GN-AP-MW-30H	Conductivity	5/2/2022 10:15	723.9	uS/cm
GN-AP-MW-30H	DO	5/2/2022 10:15	0.46	mg/L
GN-AP-MW-30H	Depth to Water Detail	5/2/2022 10:15	44.73	ft
GN-AP-MW-30H	Oxidation Reduction Potention	5/2/2022 10:15	-62.83	mv
GN-AP-MW-30H	pH	5/2/2022 10:15	7.14	SU
GN-AP-MW-30H	Sulfide	5/2/2022 10:15	0	mg/L
GN-AP-MW-30H	Temperature	5/2/2022 10:15	19.77	C
GN-AP-MW-30H	Turbidity	5/2/2022 10:15	1.16	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-8	Conductivity	5/2/2022 10:03	501.13	uS/cm
GN-AP-MW-8	DO	5/2/2022 10:03	3.07	mg/L
GN-AP-MW-8	Depth to Water Detail	5/2/2022 10:03	16.21	ft
GN-AP-MW-8	Oxidation Reduction Potention	5/2/2022 10:03	-94.12	mv
GN-AP-MW-8	pH	5/2/2022 10:03	7.45	SU
GN-AP-MW-8	Temperature	5/2/2022 10:03	19.51	C
GN-AP-MW-8	Turbidity	5/2/2022 10:03	1.46	NTU
GN-AP-MW-8	Conductivity	5/2/2022 10:14	493.2	uS/cm
GN-AP-MW-8	DO	5/2/2022 10:14	2.92	mg/L
GN-AP-MW-8	Depth to Water Detail	5/2/2022 10:14	18.11	ft
GN-AP-MW-8	Oxidation Reduction Potention	5/2/2022 10:14	-92.8	mv
GN-AP-MW-8	pH	5/2/2022 10:14	7.44	SU
GN-AP-MW-8	Sulfide	5/2/2022 10:14	1	mg/L
GN-AP-MW-8	Temperature	5/2/2022 10:14	19.63	C
GN-AP-MW-8	Turbidity	5/2/2022 10:14	1.61	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-9	Conductivity	5/2/2022 11:51	410.62	uS/cm
GN-AP-MW-9	DO	5/2/2022 11:51	3.19	mg/L
GN-AP-MW-9	Depth to Water Detail	5/2/2022 11:51	8.79	ft
GN-AP-MW-9	Oxidation Reduction Potention	5/2/2022 11:51	-112.19	mv
GN-AP-MW-9	pH	5/2/2022 11:51	7.72	SU
GN-AP-MW-9	Temperature	5/2/2022 11:51	21.11	C
GN-AP-MW-9	Turbidity	5/2/2022 11:51	1.84	NTU
GN-AP-MW-9	Conductivity	5/2/2022 12:07	402.93	uS/cm
GN-AP-MW-9	DO	5/2/2022 12:07	3.18	mg/L
GN-AP-MW-9	Depth to Water Detail	5/2/2022 12:07	10.66	ft
GN-AP-MW-9	Oxidation Reduction Potention	5/2/2022 12:07	-106.83	mv
GN-AP-MW-9	pH	5/2/2022 12:07	7.7	SU
GN-AP-MW-9	Sulfide	5/2/2022 12:07	0	mg/L
GN-AP-MW-9	Temperature	5/2/2022 12:07	21.2	C
GN-AP-MW-9	Turbidity	5/2/2022 12:07	1.36	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-10	Conductivity	5/2/2022 13:50	343.53	uS/cm
GN-AP-MW-10	DO	5/2/2022 13:50	1.58	mg/L
GN-AP-MW-10	Depth to Water Detail	5/2/2022 13:50	6.93	ft
GN-AP-MW-10	Oxidation Reduction Potention	5/2/2022 13:50	-63.58	mv
GN-AP-MW-10	pH	5/2/2022 13:50	7.58	SU
GN-AP-MW-10	Temperature	5/2/2022 13:50	21.59	C
GN-AP-MW-10	Turbidity	5/2/2022 13:50	1.18	NTU
GN-AP-MW-10	Conductivity	5/2/2022 13:55	340.67	uS/cm
GN-AP-MW-10	DO	5/2/2022 13:55	1.71	mg/L
GN-AP-MW-10	Depth to Water Detail	5/2/2022 13:55	7.16	ft
GN-AP-MW-10	Oxidation Reduction Potention	5/2/2022 13:55	-51.95	mv
GN-AP-MW-10	pH	5/2/2022 13:55	7.43	SU
GN-AP-MW-10	Temperature	5/2/2022 13:55	21.44	C
GN-AP-MW-10	Turbidity	5/2/2022 13:55	1.23	NTU
GN-AP-MW-10	Conductivity	5/2/2022 14:00	342.39	uS/cm
GN-AP-MW-10	DO	5/2/2022 14:00	1.64	mg/L
GN-AP-MW-10	Depth to Water Detail	5/2/2022 14:00	7.22	ft
GN-AP-MW-10	Oxidation Reduction Potention	5/2/2022 14:00	-36.88	mv
GN-AP-MW-10	pH	5/2/2022 14:00	7.25	SU
GN-AP-MW-10	Temperature	5/2/2022 14:00	21.25	C
GN-AP-MW-10	Turbidity	5/2/2022 14:00	1.59	NTU
GN-AP-MW-10	Conductivity	5/2/2022 14:05	341.58	uS/cm
GN-AP-MW-10	DO	5/2/2022 14:05	1.66	mg/L
GN-AP-MW-10	Depth to Water Detail	5/2/2022 14:05	7.28	ft
GN-AP-MW-10	Oxidation Reduction Potention	5/2/2022 14:05	-19.05	mv
GN-AP-MW-10	pH	5/2/2022 14:05	7.15	SU
GN-AP-MW-10	Temperature	5/2/2022 14:05	21.31	C
GN-AP-MW-10	Turbidity	5/2/2022 14:05	1.21	NTU
GN-AP-MW-10	Conductivity	5/2/2022 14:10	344.1	uS/cm
GN-AP-MW-10	DO	5/2/2022 14:10	1.69	mg/L
GN-AP-MW-10	Depth to Water Detail	5/2/2022 14:10	7.29	ft
GN-AP-MW-10	Oxidation Reduction Potention	5/2/2022 14:10	-5.43	mv
GN-AP-MW-10	pH	5/2/2022 14:10	7.12	SU
GN-AP-MW-10	Sulfide	5/2/2022 14:10	0	mg/L
GN-AP-MW-10	Temperature	5/2/2022 14:10	21.48	C
GN-AP-MW-10	Turbidity	5/2/2022 14:10	1.27	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-11	Conductivity	5/2/2022 15:03	374.2	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:03	2.42	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:03	8.18	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:03	48.02	mv
GN-AP-MW-11	pH	5/2/2022 15:03	7.59	SU
GN-AP-MW-11	Temperature	5/2/2022 15:03	20.85	C
GN-AP-MW-11	Turbidity	5/2/2022 15:03	1.15	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:08	372.37	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:08	2.2	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:08	9.84	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:08	68.17	mv
GN-AP-MW-11	pH	5/2/2022 15:08	7.37	SU
GN-AP-MW-11	Temperature	5/2/2022 15:08	20.73	C
GN-AP-MW-11	Turbidity	5/2/2022 15:08	1.41	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:13	376.88	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:13	3.34	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:13	11.01	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:13	83.85	mv
GN-AP-MW-11	pH	5/2/2022 15:13	7.28	SU
GN-AP-MW-11	Temperature	5/2/2022 15:13	20.78	C
GN-AP-MW-11	Turbidity	5/2/2022 15:13	1.93	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:18	383.4	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:18	3.99	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:18	11.79	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:18	95.69	mv
GN-AP-MW-11	pH	5/2/2022 15:18	7.25	SU
GN-AP-MW-11	Temperature	5/2/2022 15:18	20.95	C
GN-AP-MW-11	Turbidity	5/2/2022 15:18	2.29	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:23	379.13	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:23	4.36	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:23	12.46	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:23	103.48	mv
GN-AP-MW-11	pH	5/2/2022 15:23	7.24	SU
GN-AP-MW-11	Temperature	5/2/2022 15:23	20.93	C
GN-AP-MW-11	Turbidity	5/2/2022 15:23	1.82	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:28	0.06	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:28	8.63	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:28	12.85	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:28	116.84	mv
GN-AP-MW-11	pH	5/2/2022 15:28	7.27	SU
GN-AP-MW-11	Temperature	5/2/2022 15:28	20.43	C
GN-AP-MW-11	Turbidity	5/2/2022 15:28	2.32	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:33	208.54	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:33	9.13	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:33	18.78	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:33	112.96	mv
GN-AP-MW-11	pH	5/2/2022 15:33	7.5	SU
GN-AP-MW-11	Temperature	5/2/2022 15:33	20.07	C
GN-AP-MW-11	Turbidity	5/2/2022 15:33	2.45	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:38	370.23	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:38	9.87	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:38	18.36	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:38	125.57	mv
GN-AP-MW-11	pH	5/2/2022 15:38	7.31	SU
GN-AP-MW-11	Temperature	5/2/2022 15:38	20.47	C
GN-AP-MW-11	Turbidity	5/2/2022 15:38	3.38	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:43	374.5	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:43	5.95	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:43	18.36	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:43	129.05	mv
GN-AP-MW-11	pH	5/2/2022 15:43	7.16	SU
GN-AP-MW-11	Temperature	5/2/2022 15:43	20.64	C
GN-AP-MW-11	Turbidity	5/2/2022 15:43	1.78	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:48	373.25	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:48	3.63	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:48	18.36	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:48	127.63	mv
GN-AP-MW-11	pH	5/2/2022 15:48	7.16	SU
GN-AP-MW-11	Temperature	5/2/2022 15:48	20.52	C
GN-AP-MW-11	Turbidity	5/2/2022 15:48	1.25	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:53	376.04	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:53	3.15	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:53	18.36	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:53	127.44	mv
GN-AP-MW-11	pH	5/2/2022 15:53	7.16	SU
GN-AP-MW-11	Temperature	5/2/2022 15:53	20.71	C
GN-AP-MW-11	Turbidity	5/2/2022 15:53	1.32	NTU
GN-AP-MW-11	Conductivity	5/2/2022 15:58	375.55	uS/cm
GN-AP-MW-11	DO	5/2/2022 15:58	3.07	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 15:58	18.36	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 15:58	127.6	mv
GN-AP-MW-11	pH	5/2/2022 15:58	7.16	SU
GN-AP-MW-11	Temperature	5/2/2022 15:58	20.82	C
GN-AP-MW-11	Turbidity	5/2/2022 15:58	1.54	NTU
GN-AP-MW-11	Conductivity	5/2/2022 16:03	375.04	uS/cm
GN-AP-MW-11	DO	5/2/2022 16:03	3.04	mg/L
GN-AP-MW-11	Depth to Water Detail	5/2/2022 16:03	18.36	ft
GN-AP-MW-11	Oxidation Reduction Potention	5/2/2022 16:03	128.99	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-11	pH	5/2/2022 16:03	7.16	SU
GN-AP-MW-11	Sulfide	5/2/2022 16:03	0	mg/L
GN-AP-MW-11	Temperature	5/2/2022 16:03	20.66	C
GN-AP-MW-11	Turbidity	5/2/2022 16:03	1.61	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-7	Conductivity	5/3/2022 9:38	546.96	uS/cm
GN-AP-MW-7	DO	5/3/2022 9:38	0.75	mg/L
GN-AP-MW-7	Depth to Water Detail	5/3/2022 9:38	6.11	ft
GN-AP-MW-7	Oxidation Reduction Potention	5/3/2022 9:38	87.58	mv
GN-AP-MW-7	pH	5/3/2022 9:38	7.53	SU
GN-AP-MW-7	Temperature	5/3/2022 9:38	18.74	C
GN-AP-MW-7	Turbidity	5/3/2022 9:38	1.88	NTU
GN-AP-MW-7	Conductivity	5/3/2022 9:43	529.1	uS/cm
GN-AP-MW-7	DO	5/3/2022 9:43	0.71	mg/L
GN-AP-MW-7	Depth to Water Detail	5/3/2022 9:43	6.16	ft
GN-AP-MW-7	Oxidation Reduction Potention	5/3/2022 9:43	92.8	mv
GN-AP-MW-7	pH	5/3/2022 9:43	7.55	SU
GN-AP-MW-7	Temperature	5/3/2022 9:43	18.81	C
GN-AP-MW-7	Turbidity	5/3/2022 9:43	1.49	NTU
GN-AP-MW-7	Conductivity	5/3/2022 9:48	522.81	uS/cm
GN-AP-MW-7	DO	5/3/2022 9:48	0.69	mg/L
GN-AP-MW-7	Depth to Water Detail	5/3/2022 9:48	6.21	ft
GN-AP-MW-7	Oxidation Reduction Potention	5/3/2022 9:48	96.61	mv
GN-AP-MW-7	pH	5/3/2022 9:48	7.55	SU
GN-AP-MW-7	Temperature	5/3/2022 9:48	18.93	C
GN-AP-MW-7	Turbidity	5/3/2022 9:48	1.3	NTU
GN-AP-MW-7	Conductivity	5/3/2022 9:53	541.65	uS/cm
GN-AP-MW-7	DO	5/3/2022 9:53	0.67	mg/L
GN-AP-MW-7	Depth to Water Detail	5/3/2022 9:53	6.21	ft
GN-AP-MW-7	Oxidation Reduction Potention	5/3/2022 9:53	100.46	mv
GN-AP-MW-7	pH	5/3/2022 9:53	7.53	SU
GN-AP-MW-7	Sulfide	5/3/2022 9:53	0	mg/L
GN-AP-MW-7	Temperature	5/3/2022 9:53	18.8	C
GN-AP-MW-7	Turbidity	5/3/2022 9:53	1.52	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-6	Conductivity	5/3/2022 10:27	666.1	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:27	3.86	mg/L
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:27	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:27	59.01	mv
GN-AP-MW-6	pH	5/3/2022 10:27	7.76	SU
GN-AP-MW-6	Temperature	5/3/2022 10:27	19.31	C
GN-AP-MW-6	Turbidity	5/3/2022 10:27	1.3	NTU
GN-AP-MW-6	Conductivity	5/3/2022 10:32	648.86	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:32	2.02	mg/L
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:32	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:32	66.56	mv
GN-AP-MW-6	pH	5/3/2022 10:32	7.68	SU
GN-AP-MW-6	Temperature	5/3/2022 10:32	19.55	C
GN-AP-MW-6	Turbidity	5/3/2022 10:32	1.55	NTU
GN-AP-MW-6	Conductivity	5/3/2022 10:37	641.67	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:37	1.39	mg/L
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:37	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:37	73.89	mv
GN-AP-MW-6	pH	5/3/2022 10:37	7.6	SU
GN-AP-MW-6	Temperature	5/3/2022 10:37	19.54	C
GN-AP-MW-6	Turbidity	5/3/2022 10:37	2.09	NTU
GN-AP-MW-6	Conductivity	5/3/2022 10:42	640.49	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:42	1.09	mg/L
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:42	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:42	76.67	mv
GN-AP-MW-6	pH	5/3/2022 10:42	7.61	SU
GN-AP-MW-6	Temperature	5/3/2022 10:42	19.38	C
GN-AP-MW-6	Turbidity	5/3/2022 10:42	2.37	NTU
GN-AP-MW-6	Conductivity	5/3/2022 10:47	638.76	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:47	0.95	mg/L
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:47	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:47	78.29	mv
GN-AP-MW-6	pH	5/3/2022 10:47	7.62	SU
GN-AP-MW-6	Temperature	5/3/2022 10:47	19.45	C
GN-AP-MW-6	Turbidity	5/3/2022 10:47	1.73	NTU
GN-AP-MW-6	Conductivity	5/3/2022 10:52	637.5	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:52	0.87	mg/L
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:52	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:52	79.79	mv
GN-AP-MW-6	pH	5/3/2022 10:52	7.62	SU
GN-AP-MW-6	Temperature	5/3/2022 10:52	19.66	C
GN-AP-MW-6	Turbidity	5/3/2022 10:52	1.74	NTU
GN-AP-MW-6	Conductivity	5/3/2022 10:57	635.65	uS/cm
GN-AP-MW-6	DO	5/3/2022 10:57	0.89	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-6	Depth to Water Detail	5/3/2022 10:57	14.09	ft
GN-AP-MW-6	Oxidation Reduction Potention	5/3/2022 10:57	80.91	mv
GN-AP-MW-6	pH	5/3/2022 10:57	7.63	SU
GN-AP-MW-6	Sulfide	5/3/2022 10:57	0	mg/L
GN-AP-MW-6	Temperature	5/3/2022 10:57	19.74	C
GN-AP-MW-6	Turbidity	5/3/2022 10:57	1.7	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-21	Conductivity	5/3/2022 11:41	664.05	uS/cm
GN-AP-MW-21	DO	5/3/2022 11:41	2.34	mg/L
GN-AP-MW-21	Depth to Water Detail	5/3/2022 11:41	17.26	ft
GN-AP-MW-21	Oxidation Reduction Potention	5/3/2022 11:41	78.09	mv
GN-AP-MW-21	pH	5/3/2022 11:41	7.55	SU
GN-AP-MW-21	Temperature	5/3/2022 11:41	19.15	C
GN-AP-MW-21	Turbidity	5/3/2022 11:41	1.41	NTU
GN-AP-MW-21	Conductivity	5/3/2022 11:46	662.41	uS/cm
GN-AP-MW-21	DO	5/3/2022 11:46	1.52	mg/L
GN-AP-MW-21	Depth to Water Detail	5/3/2022 11:46	17.56	ft
GN-AP-MW-21	Oxidation Reduction Potention	5/3/2022 11:46	-32.04	mv
GN-AP-MW-21	pH	5/3/2022 11:46	7.53	SU
GN-AP-MW-21	Temperature	5/3/2022 11:46	19.19	C
GN-AP-MW-21	Turbidity	5/3/2022 11:46	1.53	NTU
GN-AP-MW-21	Conductivity	5/3/2022 11:51	663.46	uS/cm
GN-AP-MW-21	DO	5/3/2022 11:51	0.92	mg/L
GN-AP-MW-21	Depth to Water Detail	5/3/2022 11:51	17.71	ft
GN-AP-MW-21	Oxidation Reduction Potention	5/3/2022 11:51	-79.39	mv
GN-AP-MW-21	pH	5/3/2022 11:51	7.5	SU
GN-AP-MW-21	Temperature	5/3/2022 11:51	19.26	C
GN-AP-MW-21	Turbidity	5/3/2022 11:51	1.4	NTU
GN-AP-MW-21	Conductivity	5/3/2022 11:56	662.41	uS/cm
GN-AP-MW-21	DO	5/3/2022 11:56	0.68	mg/L
GN-AP-MW-21	Depth to Water Detail	5/3/2022 11:56	17.76	ft
GN-AP-MW-21	Oxidation Reduction Potention	5/3/2022 11:56	-93.13	mv
GN-AP-MW-21	pH	5/3/2022 11:56	7.5	SU
GN-AP-MW-21	Temperature	5/3/2022 11:56	19.08	C
GN-AP-MW-21	Turbidity	5/3/2022 11:56	1.39	NTU
GN-AP-MW-21	Conductivity	5/3/2022 12:01	658.95	uS/cm
GN-AP-MW-21	DO	5/3/2022 12:01	0.54	mg/L
GN-AP-MW-21	Depth to Water Detail	5/3/2022 12:01	17.76	ft
GN-AP-MW-21	Oxidation Reduction Potention	5/3/2022 12:01	-96.65	mv
GN-AP-MW-21	pH	5/3/2022 12:01	7.49	SU
GN-AP-MW-21	Temperature	5/3/2022 12:01	19.16	C
GN-AP-MW-21	Turbidity	5/3/2022 12:01	1.56	NTU
GN-AP-MW-21	Conductivity	5/3/2022 12:06	655.26	uS/cm
GN-AP-MW-21	DO	5/3/2022 12:06	0.56	mg/L
GN-AP-MW-21	Depth to Water Detail	5/3/2022 12:06	17.76	ft
GN-AP-MW-21	Oxidation Reduction Potention	5/3/2022 12:06	-95.12	mv
GN-AP-MW-21	pH	5/3/2022 12:06	7.48	SU
GN-AP-MW-21	Sulfide	5/3/2022 12:06	0	mg/L
GN-AP-MW-21	Temperature	5/3/2022 12:06	19.13	C
GN-AP-MW-21	Turbidity	5/3/2022 12:06	1.17	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-22	Conductivity	5/3/2022 12:38	488.97	uS/cm
GN-AP-MW-22	DO	5/3/2022 12:38	0.55	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 12:38	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 12:38	28.8	mv
GN-AP-MW-22	pH	5/3/2022 12:38	7.33	SU
GN-AP-MW-22	Temperature	5/3/2022 12:38	19.41	C
GN-AP-MW-22	Turbidity	5/3/2022 12:38	1.7	NTU
GN-AP-MW-22	Conductivity	5/3/2022 12:43	525.06	uS/cm
GN-AP-MW-22	DO	5/3/2022 12:43	0.44	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 12:43	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 12:43	36.58	mv
GN-AP-MW-22	pH	5/3/2022 12:43	7.32	SU
GN-AP-MW-22	Temperature	5/3/2022 12:43	19.34	C
GN-AP-MW-22	Turbidity	5/3/2022 12:43	1.16	NTU
GN-AP-MW-22	Conductivity	5/3/2022 12:48	463.43	uS/cm
GN-AP-MW-22	DO	5/3/2022 12:48	0.41	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 12:48	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 12:48	45.64	mv
GN-AP-MW-22	pH	5/3/2022 12:48	7.25	SU
GN-AP-MW-22	Temperature	5/3/2022 12:48	19.5	C
GN-AP-MW-22	Turbidity	5/3/2022 12:48	1.16	NTU
GN-AP-MW-22	Conductivity	5/3/2022 12:53	498.23	uS/cm
GN-AP-MW-22	DO	5/3/2022 12:53	0.42	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 12:53	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 12:53	52.26	mv
GN-AP-MW-22	pH	5/3/2022 12:53	7.21	SU
GN-AP-MW-22	Temperature	5/3/2022 12:53	19.47	C
GN-AP-MW-22	Turbidity	5/3/2022 12:53	1.24	NTU
GN-AP-MW-22	Conductivity	5/3/2022 12:58	483.82	uS/cm
GN-AP-MW-22	DO	5/3/2022 12:58	0.39	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 12:58	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 12:58	56.75	mv
GN-AP-MW-22	pH	5/3/2022 12:58	7.2	SU
GN-AP-MW-22	Temperature	5/3/2022 12:58	19.42	C
GN-AP-MW-22	Turbidity	5/3/2022 12:58	1.38	NTU
GN-AP-MW-22	Conductivity	5/3/2022 13:03	444.61	uS/cm
GN-AP-MW-22	DO	5/3/2022 13:03	0.35	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 13:03	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 13:03	60.04	mv
GN-AP-MW-22	pH	5/3/2022 13:03	7.21	SU
GN-AP-MW-22	Temperature	5/3/2022 13:03	19.58	C
GN-AP-MW-22	Turbidity	5/3/2022 13:03	1.15	NTU
GN-AP-MW-22	Conductivity	5/3/2022 13:08	539.84	uS/cm
GN-AP-MW-22	DO	5/3/2022 13:08	0.18	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-22	Depth to Water Detail	5/3/2022 13:08	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 13:08	61.98	mv
GN-AP-MW-22	pH	5/3/2022 13:08	7.21	SU
GN-AP-MW-22	Temperature	5/3/2022 13:08	19.48	C
GN-AP-MW-22	Turbidity	5/3/2022 13:08	1.43	NTU
GN-AP-MW-22	Conductivity	5/3/2022 13:13	541.11	uS/cm
GN-AP-MW-22	DO	5/3/2022 13:13	0.18	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 13:13	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 13:13	65.39	mv
GN-AP-MW-22	pH	5/3/2022 13:13	7.19	SU
GN-AP-MW-22	Temperature	5/3/2022 13:13	19.54	C
GN-AP-MW-22	Turbidity	5/3/2022 13:13	1.36	NTU
GN-AP-MW-22	Conductivity	5/3/2022 13:18	538.69	uS/cm
GN-AP-MW-22	DO	5/3/2022 13:18	0.18	mg/L
GN-AP-MW-22	Depth to Water Detail	5/3/2022 13:18	13.13	ft
GN-AP-MW-22	Oxidation Reduction Potention	5/3/2022 13:18	66.7	mv
GN-AP-MW-22	pH	5/3/2022 13:18	7.21	SU
GN-AP-MW-22	Sulfide	5/3/2022 13:18	0	mg/L
GN-AP-MW-22	Temperature	5/3/2022 13:18	19.33	C
GN-AP-MW-22	Turbidity	5/3/2022 13:18	1.17	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-12	Conductivity	5/3/2022 9:04	474.96	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:04	0.34	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:04	5.29	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:04	-75.92	mv
GN-AP-MW-12	pH	5/3/2022 9:04	7.32	SU
GN-AP-MW-12	Temperature	5/3/2022 9:04	20.14	C
GN-AP-MW-12	Turbidity	5/3/2022 9:04	1.16	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:09	473.58	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:09	0.28	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:09	7.45	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:09	-87.17	mv
GN-AP-MW-12	pH	5/3/2022 9:09	7.32	SU
GN-AP-MW-12	Temperature	5/3/2022 9:09	20.17	C
GN-AP-MW-12	Turbidity	5/3/2022 9:09	1.29	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:14	465.82	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:14	0.26	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:14	10.79	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:14	-96.37	mv
GN-AP-MW-12	pH	5/3/2022 9:14	7.34	SU
GN-AP-MW-12	Temperature	5/3/2022 9:14	20.18	C
GN-AP-MW-12	Turbidity	5/3/2022 9:14	1.35	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:19	482.11	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:19	0.25	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:19	12.45	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:19	-100.44	mv
GN-AP-MW-12	pH	5/3/2022 9:19	7.34	SU
GN-AP-MW-12	Temperature	5/3/2022 9:19	20.17	C
GN-AP-MW-12	Turbidity	5/3/2022 9:19	1.07	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:24	472.66	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:24	0.24	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:24	14.48	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:24	-103.64	mv
GN-AP-MW-12	pH	5/3/2022 9:24	7.34	SU
GN-AP-MW-12	Temperature	5/3/2022 9:24	20.24	C
GN-AP-MW-12	Turbidity	5/3/2022 9:24	1.29	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:29	466.16	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:29	0.24	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:29	16.6	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:29	-106.22	mv
GN-AP-MW-12	pH	5/3/2022 9:29	7.35	SU
GN-AP-MW-12	Temperature	5/3/2022 9:29	20.24	C
GN-AP-MW-12	Turbidity	5/3/2022 9:29	1.18	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:34	466.71	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:34	0.23	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:34	18.5	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:34	-108.46	mv
GN-AP-MW-12	pH	5/3/2022 9:34	7.36	SU
GN-AP-MW-12	Temperature	5/3/2022 9:34	20.29	C
GN-AP-MW-12	Turbidity	5/3/2022 9:34	1.39	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:39	461.67	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:39	0.23	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:39	20.5	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:39	-110.29	mv
GN-AP-MW-12	pH	5/3/2022 9:39	7.37	SU
GN-AP-MW-12	Temperature	5/3/2022 9:39	20.31	C
GN-AP-MW-12	Turbidity	5/3/2022 9:39	1.51	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:44	475.49	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:44	0.31	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:44	20.82	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:44	-108.71	mv
GN-AP-MW-12	pH	5/3/2022 9:44	7.36	SU
GN-AP-MW-12	Temperature	5/3/2022 9:44	20.76	C
GN-AP-MW-12	Turbidity	5/3/2022 9:44	1.84	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:49	459.99	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:49	0.33	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:49	21.12	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:49	-107.56	mv
GN-AP-MW-12	pH	5/3/2022 9:49	7.37	SU
GN-AP-MW-12	Temperature	5/3/2022 9:49	20.93	C
GN-AP-MW-12	Turbidity	5/3/2022 9:49	2.22	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:54	457.26	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:54	0.33	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:54	21.35	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:54	-107.38	mv
GN-AP-MW-12	pH	5/3/2022 9:54	7.38	SU
GN-AP-MW-12	Temperature	5/3/2022 9:54	20.76	C
GN-AP-MW-12	Turbidity	5/3/2022 9:54	1.85	NTU
GN-AP-MW-12	Conductivity	5/3/2022 9:59	457.91	uS/cm
GN-AP-MW-12	DO	5/3/2022 9:59	0.32	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 9:59	21.69	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 9:59	-106.84	mv
GN-AP-MW-12	pH	5/3/2022 9:59	7.39	SU
GN-AP-MW-12	Temperature	5/3/2022 9:59	20.92	C
GN-AP-MW-12	Turbidity	5/3/2022 9:59	1.3	NTU
GN-AP-MW-12	Conductivity	5/3/2022 10:04	457.51	uS/cm
GN-AP-MW-12	DO	5/3/2022 10:04	0.43	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 10:04	21.65	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 10:04	-103.53	mv

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-12	pH	5/3/2022 10:04	7.4	SU
GN-AP-MW-12	Temperature	5/3/2022 10:04	21.23	C
GN-AP-MW-12	Turbidity	5/3/2022 10:04	1.85	NTU
GN-AP-MW-12	Conductivity	5/3/2022 10:09	463.37	uS/cm
GN-AP-MW-12	DO	5/3/2022 10:09	0.45	mg/L
GN-AP-MW-12	Depth to Water Detail	5/3/2022 10:09	21.35	ft
GN-AP-MW-12	Oxidation Reduction Potention	5/3/2022 10:09	-99.21	mv
GN-AP-MW-12	pH	5/3/2022 10:09	7.39	SU
GN-AP-MW-12	Sulfide	5/3/2022 10:09	0	mg/L
GN-AP-MW-12	Temperature	5/3/2022 10:09	21.09	C
GN-AP-MW-12	Turbidity	5/3/2022 10:09	1.2	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-13	Conductivity	5/2/2022 14:29	382.96	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:29	0.33	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:29	6.45	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:29	-104.69	mv
GN-AP-MW-13	pH	5/2/2022 14:29	7.48	SU
GN-AP-MW-13	Temperature	5/2/2022 14:29	20.43	C
GN-AP-MW-13	Turbidity	5/2/2022 14:29	2.91	NTU
GN-AP-MW-13	Conductivity	5/2/2022 14:34	382.33	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:34	0.29	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:34	8.55	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:34	-100.83	mv
GN-AP-MW-13	pH	5/2/2022 14:34	7.49	SU
GN-AP-MW-13	Temperature	5/2/2022 14:34	20.11	C
GN-AP-MW-13	Turbidity	5/2/2022 14:34	1.98	NTU
GN-AP-MW-13	Conductivity	5/2/2022 14:39	382.9	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:39	0.27	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:39	10.65	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:39	-99.7	mv
GN-AP-MW-13	pH	5/2/2022 14:39	7.47	SU
GN-AP-MW-13	Temperature	5/2/2022 14:39	20.04	C
GN-AP-MW-13	Turbidity	5/2/2022 14:39	1.85	NTU
GN-AP-MW-13	Conductivity	5/2/2022 14:44	382.78	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:44	0.26	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:44	12.3	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:44	-102.29	mv
GN-AP-MW-13	pH	5/2/2022 14:44	7.47	SU
GN-AP-MW-13	Temperature	5/2/2022 14:44	20	C
GN-AP-MW-13	Turbidity	5/2/2022 14:44	2.02	NTU
GN-AP-MW-13	Conductivity	5/2/2022 14:49	380.93	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:49	0.26	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:49	13.5	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:49	-106.77	mv
GN-AP-MW-13	pH	5/2/2022 14:49	7.47	SU
GN-AP-MW-13	Temperature	5/2/2022 14:49	19.95	C
GN-AP-MW-13	Turbidity	5/2/2022 14:49	2.15	NTU
GN-AP-MW-13	Conductivity	5/2/2022 14:54	380.07	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:54	0.26	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:54	14.52	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:54	-109.66	mv
GN-AP-MW-13	pH	5/2/2022 14:54	7.48	SU
GN-AP-MW-13	Temperature	5/2/2022 14:54	19.95	C
GN-AP-MW-13	Turbidity	5/2/2022 14:54	2.12	NTU
GN-AP-MW-13	Conductivity	5/2/2022 14:59	379.27	uS/cm
GN-AP-MW-13	DO	5/2/2022 14:59	0.26	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-13	Depth to Water Detail	5/2/2022 14:59	15	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 14:59	-111.05	mv
GN-AP-MW-13	pH	5/2/2022 14:59	7.45	SU
GN-AP-MW-13	Temperature	5/2/2022 14:59	19.99	C
GN-AP-MW-13	Turbidity	5/2/2022 14:59	2.02	NTU
GN-AP-MW-13	Conductivity	5/2/2022 15:04	386.61	uS/cm
GN-AP-MW-13	DO	5/2/2022 15:04	0.33	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 15:04	14.55	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 15:04	-112.48	mv
GN-AP-MW-13	pH	5/2/2022 15:04	7.45	SU
GN-AP-MW-13	Temperature	5/2/2022 15:04	20.08	C
GN-AP-MW-13	Turbidity	5/2/2022 15:04	1.68	NTU
GN-AP-MW-13	Conductivity	5/2/2022 15:09	381.94	uS/cm
GN-AP-MW-13	DO	5/2/2022 15:09	0.33	mg/L
GN-AP-MW-13	Depth to Water Detail	5/2/2022 15:09	14.11	ft
GN-AP-MW-13	Oxidation Reduction Potention	5/2/2022 15:09	-113.57	mv
GN-AP-MW-13	pH	5/2/2022 15:09	7.46	SU
GN-AP-MW-13	Sulfide	5/2/2022 15:09	0	mg/L
GN-AP-MW-13	Temperature	5/2/2022 15:09	20.11	C
GN-AP-MW-13	Turbidity	5/2/2022 15:09	1.73	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-27	Conductivity	5/2/2022 10:05	254.48	uS/cm
GN-AP-MW-27	DO	5/2/2022 10:05	6.06	mg/L
GN-AP-MW-27	Depth to Water Detail	5/2/2022 10:05	12.75	ft
GN-AP-MW-27	Oxidation Reduction Potention	5/2/2022 10:05	94.96	mv
GN-AP-MW-27	pH	5/2/2022 10:05	6.65	SU
GN-AP-MW-27	Temperature	5/2/2022 10:05	19.5	C
GN-AP-MW-27	Turbidity	5/2/2022 10:05	4.1	NTU
GN-AP-MW-27	Conductivity	5/2/2022 10:10	262.43	uS/cm
GN-AP-MW-27	DO	5/2/2022 10:10	6.13	mg/L
GN-AP-MW-27	Depth to Water Detail	5/2/2022 10:10	12.75	ft
GN-AP-MW-27	Oxidation Reduction Potention	5/2/2022 10:10	94.47	mv
GN-AP-MW-27	pH	5/2/2022 10:10	6.7	SU
GN-AP-MW-27	Temperature	5/2/2022 10:10	19.61	C
GN-AP-MW-27	Turbidity	5/2/2022 10:10	3	NTU
GN-AP-MW-27	Conductivity	5/2/2022 10:15	268.89	uS/cm
GN-AP-MW-27	DO	5/2/2022 10:15	6.18	mg/L
GN-AP-MW-27	Depth to Water Detail	5/2/2022 10:15	12.75	ft
GN-AP-MW-27	Oxidation Reduction Potention	5/2/2022 10:15	98.52	mv
GN-AP-MW-27	pH	5/2/2022 10:15	6.73	SU
GN-AP-MW-27	Temperature	5/2/2022 10:15	19.59	C
GN-AP-MW-27	Turbidity	5/2/2022 10:15	2.46	NTU
GN-AP-MW-27	Conductivity	5/2/2022 10:20	271.43	uS/cm
GN-AP-MW-27	DO	5/2/2022 10:20	6.2	mg/L
GN-AP-MW-27	Depth to Water Detail	5/2/2022 10:20	12.75	ft
GN-AP-MW-27	Oxidation Reduction Potention	5/2/2022 10:20	98.77	mv
GN-AP-MW-27	pH	5/2/2022 10:20	6.74	SU
GN-AP-MW-27	Sulfide	5/2/2022 10:20	0	mg/L
GN-AP-MW-27	Temperature	5/2/2022 10:20	19.6	C
GN-AP-MW-27	Turbidity	5/2/2022 10:20	2.36	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-33V	Conductivity	4/26/2022 11:25	520.07	uS/cm
GN-AP-MW-33V	DO	4/26/2022 11:25	1.08	mg/L
GN-AP-MW-33V	Depth to Water Detail	4/26/2022 11:25	47.22	ft
GN-AP-MW-33V	Oxidation Reduction Potention	4/26/2022 11:25	-173.51	mv
GN-AP-MW-33V	pH	4/26/2022 11:25	7.37	SU
GN-AP-MW-33V	Temperature	4/26/2022 11:25	19.65	C
GN-AP-MW-33V	Turbidity	4/26/2022 11:25	3.25	NTU
GN-AP-MW-33V	Conductivity	4/26/2022 11:40	528.67	uS/cm
GN-AP-MW-33V	DO	4/26/2022 11:40	1.02	mg/L
GN-AP-MW-33V	Depth to Water Detail	4/26/2022 11:40	49.32	ft
GN-AP-MW-33V	Oxidation Reduction Potention	4/26/2022 11:40	-172.06	mv
GN-AP-MW-33V	pH	4/26/2022 11:40	7.42	SU
GN-AP-MW-33V	Sulfide	4/26/2022 11:40	1	mg/L
GN-AP-MW-33V	Temperature	4/26/2022 11:40	20.24	C
GN-AP-MW-33V	Turbidity	4/26/2022 11:40	2.97	NTU

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-36V	Conductivity	4/26/2022 9:32	1220.94	uS/cm
GN-AP-MW-36V	DO	4/26/2022 9:32	1.94	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 9:32	44.18	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 9:32	-50.72	mv
GN-AP-MW-36V	pH	4/26/2022 9:32	7.71	SU
GN-AP-MW-36V	Temperature	4/26/2022 9:32	19.87	C
GN-AP-MW-36V	Turbidity	4/26/2022 9:32	3.3	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 9:37	1224.87	uS/cm
GN-AP-MW-36V	DO	4/26/2022 9:37	1.66	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 9:37	44.53	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 9:37	-76.09	mv
GN-AP-MW-36V	pH	4/26/2022 9:37	7.77	SU
GN-AP-MW-36V	Temperature	4/26/2022 9:37	19.87	C
GN-AP-MW-36V	Turbidity	4/26/2022 9:37	2.61	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 9:42	1216.32	uS/cm
GN-AP-MW-36V	DO	4/26/2022 9:42	1.34	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 9:42	44.77	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 9:42	-97.28	mv
GN-AP-MW-36V	pH	4/26/2022 9:42	7.86	SU
GN-AP-MW-36V	Temperature	4/26/2022 9:42	19.6	C
GN-AP-MW-36V	Turbidity	4/26/2022 9:42	2.71	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 9:47	1213.22	uS/cm
GN-AP-MW-36V	DO	4/26/2022 9:47	1.18	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 9:47	45.06	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 9:47	-119.61	mv
GN-AP-MW-36V	pH	4/26/2022 9:47	7.92	SU
GN-AP-MW-36V	Temperature	4/26/2022 9:47	19.59	C
GN-AP-MW-36V	Turbidity	4/26/2022 9:47	2.84	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 9:52	1213.69	uS/cm
GN-AP-MW-36V	DO	4/26/2022 9:52	1.06	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 9:52	45.27	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 9:52	-135.08	mv
GN-AP-MW-36V	pH	4/26/2022 9:52	7.97	SU
GN-AP-MW-36V	Temperature	4/26/2022 9:52	19.5	C
GN-AP-MW-36V	Turbidity	4/26/2022 9:52	1.97	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 9:57	1213.92	uS/cm
GN-AP-MW-36V	DO	4/26/2022 9:57	0.99	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 9:57	45.62	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 9:57	-147.12	mv
GN-AP-MW-36V	pH	4/26/2022 9:57	7.99	SU
GN-AP-MW-36V	Temperature	4/26/2022 9:57	19.52	C
GN-AP-MW-36V	Turbidity	4/26/2022 9:57	1.68	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 10:02	1214.32	uS/cm
GN-AP-MW-36V	DO	4/26/2022 10:02	0.93	mg/L

**Groundwater Field Parameters
Plant Gaston Ash Pond**

WELL ID	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 10:02	45.8	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 10:02	-156.94	mv
GN-AP-MW-36V	pH	4/26/2022 10:02	8.01	SU
GN-AP-MW-36V	Temperature	4/26/2022 10:02	19.54	C
GN-AP-MW-36V	Turbidity	4/26/2022 10:02	2.02	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 10:07	1208.29	uS/cm
GN-AP-MW-36V	DO	4/26/2022 10:07	0.89	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 10:07	45.92	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 10:07	-165.13	mv
GN-AP-MW-36V	pH	4/26/2022 10:07	8.02	SU
GN-AP-MW-36V	Temperature	4/26/2022 10:07	19.51	C
GN-AP-MW-36V	Turbidity	4/26/2022 10:07	1.99	NTU
GN-AP-MW-36V	Conductivity	4/26/2022 10:12	1201.23	uS/cm
GN-AP-MW-36V	DO	4/26/2022 10:12	0.86	mg/L
GN-AP-MW-36V	Depth to Water Detail	4/26/2022 10:12	46.06	ft
GN-AP-MW-36V	Oxidation Reduction Potention	4/26/2022 10:12	-171.9	mv
GN-AP-MW-36V	pH	4/26/2022 10:12	8.03	SU
GN-AP-MW-36V	Sulfide	4/26/2022 10:12	3	mg/L
GN-AP-MW-36V	Temperature	4/26/2022 10:12	19.55	C
GN-AP-MW-36V	Turbidity	4/26/2022 10:12	2.12	NTU

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
205-664-6001

Analytical Report



Sample Group : WMWGASAP_1360

Project/Site : Gaston Ash Pond
Wilsonville, AL 35186

For : Southern Company Services
3535 Colonnade Parkway
Birmingham, AL 35243

Attention : Dustin Brooks & Greg Dyer

Released By : Brooke Caton
tbwill@southernco.com
(205) 664-6101

June 01, 2022

Dear Dustin Brooks,

Enclosed are the analytical results for sample(s) received by the laboratory between April 21, 2022 and May 04, 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: 2022.06.02
07:43:25 -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, ou=US United States
e=tmaske@southernco.com
Reason: I am approving this document
Location:
Date: 2022-06-02 15:10:05.00



REPORT OF LABORATORY ANALYSIS

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



Total Metals ICP

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724268	WMWGASAP_1360
BC07757	724268	WMWGASAP_1360
BC07758	724268	WMWGASAP_1360
BC07759	724268	WMWGASAP_1360
BC07760	724268	WMWGASAP_1360
BC07761	724268	WMWGASAP_1360
BC07762	724268	WMWGASAP_1360
BC07763	724268	WMWGASAP_1360
BC07764	724268	WMWGASAP_1360
BC07765	724268	WMWGASAP_1360
BC07766	724269	WMWGASAP_1360
BC07767	724269	WMWGASAP_1360
BC07768	724269	WMWGASAP_1360
BC07769	724269	WMWGASAP_1360
BC07770	724269	WMWGASAP_1360
BC07771	724269	WMWGASAP_1360
BC07772	724269	WMWGASAP_1360
BC07773	724269	WMWGASAP_1360
BC08175	724971	WMWGASAP_1360
BC08176	724971	WMWGASAP_1360
BC08177	724971	WMWGASAP_1360
BC08178	724971	WMWGASAP_1360
BC08179	724971	WMWGASAP_1360
BC08180	724971	WMWGASAP_1360
BC08181	724971	WMWGASAP_1360
BC08182	724971	WMWGASAP_1360
BC08183	724971	WMWGASAP_1360
BC08184	724971	WMWGASAP_1360
BC08185	724972	WMWGASAP_1360
BC08186	724972	WMWGASAP_1360
BC08187	724972	WMWGASAP_1360

BC08188	724972	WMWGASAP_1360
BC08189	724972	WMWGASAP_1360
BC08190	724972	WMWGASAP_1360
BC08191	724972	WMWGASAP_1360
BC08539	725426	WMWGASAP_1360
BC08540	725426	WMWGASAP_1360
BC08541	725426	WMWGASAP_1360
BC08542	725426	WMWGASAP_1360
BC08543	725426	WMWGASAP_1360
BC08544	725426	WMWGASAP_1360
BC08545	725426	WMWGASAP_1360
BC08546	725426	WMWGASAP_1360
BC08547	725426	WMWGASAP_1360
BC08548	725426	WMWGASAP_1360
BC08549	725427	WMWGASAP_1360
BC08550	725427	WMWGASAP_1360
BC08551	725427	WMWGASAP_1360
BC08552	725427	WMWGASAP_1360
BC08553	725427	WMWGASAP_1360
BC08554	725427	WMWGASAP_1360
BC08555	725427	WMWGASAP_1360
BC08556	725427	WMWGASAP_1360
BC08557	725427	WMWGASAP_1360
BC08558	725427	WMWGASAP_1360

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:
 - BC07773 Calcium MS/MSD spike levels were <30% of the sample concentrations.
 - BC08184 Calcium MS/MSD spike levels were <30% of the sample concentrations.
 - BC08558 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC07755	Calcium, Magnesium	10.15
BC07757	Calcium	10.15
BC07758	Calcium, Iron, Magnesium	10.15
BC07759	Calcium, Iron, Magnesium	10.15
BC07760	Calcium, Magnesium	10.15
BC07761	Calcium, Sodium	10.15
BC07762	Calcium	10.15
BC07771	Magnesium	10.15
BC07772	Calcium	10.15
BC07773	Calcium	10.15
BC08175	Sodium	10.15
BC08176	Calcium	10.15
BC08177	Calcium	10.15
BC08178	Calcium, Sodium	10.15
BC08180	Calcium, Magnesium	10.15
BC08181	Calcium	10.15

Case Narrative

BC08182	Sodium	10.15
BC08183	Calcium, Magnesium	10.15
BC08184	Calcium	10.15
BC08185	Calcium	10.15
BC08186	Calcium	10.15
BC08187	Calcium	10.15
BC08188	Calcium	10.15
BC08189	Calcium	10.15
BC08190	Calcium	10.15
BC08539	Calcium	10.15
BC08542	Calcium	10.15
BC08543	Calcium	10.15
BC08544	Calcium	10.15
BC08545	Calcium	10.15
BC08546	Calcium	10.15
BC08551	Calcium	10.15
BC08552	Calcium	10.15
BC08553	Calcium, Magnesium	10.15
BC08554	Calcium, Sodium	10.15
BC08555	Calcium	10.15
BC08557	Calcium	10.15
BC08558	Calcium	10.15

8. The raw data results are shown with dilution factors included.

Dissolved Metals ICP

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724474	WMWGASAP_1360
BC07756	724474	WMWGASAP_1360
BC07757	724474	WMWGASAP_1360
BC07758	724474	WMWGASAP_1360
BC07759	724474	WMWGASAP_1360
BC07760	724474	WMWGASAP_1360
BC07761	724474	WMWGASAP_1360
BC07762	724474	WMWGASAP_1360
BC07764	724474	WMWGASAP_1360
BC07765	724474	WMWGASAP_1360
BC07766	724475	WMWGASAP_1360
BC07767	724475	WMWGASAP_1360
BC07768	724475	WMWGASAP_1360
BC07769	724475	WMWGASAP_1360
BC07771	724475	WMWGASAP_1360
BC07772	724475	WMWGASAP_1360
BC07773	724475	WMWGASAP_1360
BC08175	724975	WMWGASAP_1360
BC08176	724975	WMWGASAP_1360
BC08177	724975	WMWGASAP_1360
BC08178	724975	WMWGASAP_1360
BC08180	724975	WMWGASAP_1360
BC08181	724975	WMWGASAP_1360
BC08182	724975	WMWGASAP_1360
BC08183	724975	WMWGASAP_1360
BC08184	724975	WMWGASAP_1360
BC08185	724975	WMWGASAP_1360
BC08186	724976	WMWGASAP_1360
BC08187	724976	WMWGASAP_1360
BC08188	724976	WMWGASAP_1360
BC08189	724976	WMWGASAP_1360

BC08190	724976	WMWGASAP_1360
BC08539	725394	WMWGASAP_1360
BC08540	725394	WMWGASAP_1360
BC08541	725394	WMWGASAP_1360
BC08542	725394	WMWGASAP_1360
BC08543	725394	WMWGASAP_1360
BC08544	725394	WMWGASAP_1360
BC08545	725394	WMWGASAP_1360
BC08546	725394	WMWGASAP_1360
BC08548	725394	WMWGASAP_1360
BC08549	725394	WMWGASAP_1360
BC08551	725395	WMWGASAP_1360
BC08552	725395	WMWGASAP_1360
BC08553	725395	WMWGASAP_1360
BC08554	725395	WMWGASAP_1360
BC08555	725395	WMWGASAP_1360
BC08556	725395	WMWGASAP_1360
BC08557	725395	WMWGASAP_1360
BC08558	725395	WMWGASAP_1360

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:
 - BC07773 Calcium MS/MSD spike levels were <30% of the sample concentrations.
 - BC08190 Calcium MS/MSD spike levels were <30% of the sample concentrations.
 - BC08558 Calcium 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC07755	Calcium, Magnesium	10.15
BC07756	Calcium, Magnesium	10.15
BC07758	Calcium, Iron, Magnesium	10.15
BC07759	Calcium, Iron, Magnesium	10.15
BC07760	Calcium, Magnesium	10.15
BC07761	Calcium, Sodium	10.15
BC07762	Calcium	10.15
BC07771	Magnesium	10.15
BC07772	Calcium	10.15
BC07773	Calcium	10.15
BC08175	Sodium	10.15
BC08176	Calcium	10.15
BC08177	Calcium	10.15
BC08178	Calcium, Sodium	10.15
BC08180	Calcium, Magnesium	10.15
BC08181	Calcium	10.15
BC08182	Calcium, Sodium	10.15
BC08183	Calcium, Magnesium	10.15
BC08184	Calcium	10.15
BC08185	Calcium	10.15
BC08186	Calcium	10.15

Case Narrative

BC08187	Calcium	10.15
BC08188	Calcium	10.15
BC08189	Calcium	10.15
BC08190	Calcium	10.15
BC08539	Calcium	10.15
BC08542	Calcium	10.15
BC08543	Calcium	10.15
BC08544	Calcium	10.15
BC08545	Calcium	10.15
BC08546	Calcium	10.15
BC08551	Calcium	10.15
BC08552	Calcium	10.15
BC08553	Calcium	10.15
BC08554	Calcium, Sodium	10.15
BC08555	Calcium	10.15
BC08557	Calcium	10.15
BC08558	Calcium	10.15

8. The raw data results are shown with dilution factors included.

Total Metals ICPMS

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724659	WMWGASAP_1360
BC07757	724659	WMWGASAP_1360
BC07758	724659	WMWGASAP_1360
BC07759	724659	WMWGASAP_1360
BC07760	724659	WMWGASAP_1360
BC07761	724659	WMWGASAP_1360
BC07762	724659	WMWGASAP_1360
BC07763	724659	WMWGASAP_1360
BC07764	724659	WMWGASAP_1360
BC07765	724659	WMWGASAP_1360
BC07766	724660	WMWGASAP_1360
BC07767	724660	WMWGASAP_1360
BC07768	724660	WMWGASAP_1360
BC07769	724660	WMWGASAP_1360
BC07770	724660	WMWGASAP_1360
BC07771	724660	WMWGASAP_1360
BC07772	724660	WMWGASAP_1360
BC07773	724660	WMWGASAP_1360
BC08175	725081	WMWGASAP_1360
BC08176	725081	WMWGASAP_1360
BC08177	725081	WMWGASAP_1360
BC08178	725081	WMWGASAP_1360
BC08179	725081	WMWGASAP_1360
BC08180	725081	WMWGASAP_1360
BC08181	725081	WMWGASAP_1360
BC08182	725081	WMWGASAP_1360
BC08183	725081	WMWGASAP_1360
BC08184	725081	WMWGASAP_1360
BC08185	725082	WMWGASAP_1360
BC08186	725082	WMWGASAP_1360
BC08187	725082	WMWGASAP_1360

BC08188	725082	WMWGASAP_1360
BC08189	725082	WMWGASAP_1360
BC08190	725082	WMWGASAP_1360
BC08191	725082	WMWGASAP_1360
BC08539	725630	WMWGASAP_1360
BC08540	725630	WMWGASAP_1360
BC08541	725630	WMWGASAP_1360
BC08542	725630	WMWGASAP_1360
BC08543	725630	WMWGASAP_1360
BC08544	725630	WMWGASAP_1360
BC08545	725630	WMWGASAP_1360
BC08546	725630	WMWGASAP_1360
BC08547	725630	WMWGASAP_1360
BC08548	725630	WMWGASAP_1360
BC08549	725631	WMWGASAP_1360
BC08550	725631	WMWGASAP_1360
BC08551	725631	WMWGASAP_1360
BC08552	725631	WMWGASAP_1360
BC08553	725631	WMWGASAP_1360
BC08554	725631	WMWGASAP_1360
BC08555	725631	WMWGASAP_1360
BC08556	725631	WMWGASAP_1360
BC08557	725631	WMWGASAP_1360
BC08558	725631	WMWGASAP_1360

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:
 - BC08184 Molybdenum MS/MSD spike levels were <30% of the sample concentrations.
 - BC08548 Aluminum & Molybdenum MS/MSD spike levels were outside of specification limits.
 - BC08558 Aluminum & Molybdenum MS/MSD spike levels were outside of specification limits.
 - 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC07761	Molybdenum	5.075
BC08184	Molybdenum	5.075

8. The raw data results are shown with dilution factors included.

Dissolved Metals ICPMS

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724588	WMWGASAP_1360
BC07756	724588	WMWGASAP_1360
BC07757	724588	WMWGASAP_1360
BC07758	724588	WMWGASAP_1360
BC07759	724588	WMWGASAP_1360
BC07760	724588	WMWGASAP_1360
BC07761	724588	WMWGASAP_1360
BC07762	724588	WMWGASAP_1360
BC07764	724588	WMWGASAP_1360
BC07765	724588	WMWGASAP_1360
BC07766	724589	WMWGASAP_1360
BC07767	724589	WMWGASAP_1360
BC07768	724589	WMWGASAP_1360
BC07769	724589	WMWGASAP_1360
BC07771	724589	WMWGASAP_1360
BC07772	724589	WMWGASAP_1360
BC07773	724589	WMWGASAP_1360
BC08175	725021	WMWGASAP_1360
BC08176	725021	WMWGASAP_1360
BC08177	725021	WMWGASAP_1360
BC08178	725021	WMWGASAP_1360
BC08180	725021	WMWGASAP_1360
BC08181	725021	WMWGASAP_1360
BC08182	725021	WMWGASAP_1360
BC08183	725021	WMWGASAP_1360
BC08184	725021	WMWGASAP_1360
BC08185	725021	WMWGASAP_1360
BC08186	725022	WMWGASAP_1360
BC08187	725022	WMWGASAP_1360
BC08188	725022	WMWGASAP_1360
BC08189	725022	WMWGASAP_1360

BC08190	725022	WMWGASAP_1360
BC08539	725791	WMWGASAP_1360
BC08540	725791	WMWGASAP_1360
BC08541	725791	WMWGASAP_1360
BC08542	725791	WMWGASAP_1360
BC08543	725791	WMWGASAP_1360
BC08544	725791	WMWGASAP_1360
BC08545	725791	WMWGASAP_1360
BC08546	725791	WMWGASAP_1360
BC08548	727341	WMWGASAP_1360
BC08549	725791	WMWGASAP_1360
BC08551	725792	WMWGASAP_1360
BC08552	725792	WMWGASAP_1360
BC08553	725792	WMWGASAP_1360
BC08554	725792	WMWGASAP_1360
BC08555	725792	WMWGASAP_1360
BC08556	725792	WMWGASAP_1360
BC08557	725792	WMWGASAP_1360
BC08558	725792	WMWGASAP_1360

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.
 - 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC07761	Molybdenum	5.075
BC08184	Molybdenum	5.075

8. The raw data results are shown with dilution factors included.

Mercury

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724709	WMWGASAP_1360
BC07757	724709	WMWGASAP_1360
BC07758	724709	WMWGASAP_1360
BC07759	724709	WMWGASAP_1360
BC07760	724709	WMWGASAP_1360
BC07761	724709	WMWGASAP_1360
BC07762	724709	WMWGASAP_1360
BC07763	724709	WMWGASAP_1360
BC07764	724709	WMWGASAP_1360
BC07765	724709	WMWGASAP_1360
BC07766	724710	WMWGASAP_1360
BC07767	724710	WMWGASAP_1360
BC07768	724710	WMWGASAP_1360
BC07769	724710	WMWGASAP_1360
BC07770	724710	WMWGASAP_1360
BC07771	724710	WMWGASAP_1360
BC07772	724710	WMWGASAP_1360
BC07773	724710	WMWGASAP_1360
BC08175	725004	WMWGASAP_1360
BC08176	725004	WMWGASAP_1360
BC08177	725004	WMWGASAP_1360
BC08178	725004	WMWGASAP_1360
BC08179	725004	WMWGASAP_1360
BC08180	725004	WMWGASAP_1360
BC08181	725004	WMWGASAP_1360
BC08182	725004	WMWGASAP_1360
BC08183	725004	WMWGASAP_1360
BC08184	725004	WMWGASAP_1360
BC08185	725005	WMWGASAP_1360
BC08186	725005	WMWGASAP_1360
BC08187	725005	WMWGASAP_1360

BC08188	725005	WMWGASAP_1360
BC08189	725005	WMWGASAP_1360
BC08190	725005	WMWGASAP_1360
BC08191	725005	WMWGASAP_1360
BC08539	725431	WMWGASAP_1360
BC08540	725431	WMWGASAP_1360
BC08541	725431	WMWGASAP_1360
BC08542	725431	WMWGASAP_1360
BC08543	725431	WMWGASAP_1360
BC08544	725431	WMWGASAP_1360
BC08545	725431	WMWGASAP_1360
BC08546	725431	WMWGASAP_1360
BC08547	725431	WMWGASAP_1360
BC08548	725431	WMWGASAP_1360
BC08549	725432	WMWGASAP_1360
BC08550	725432	WMWGASAP_1360
BC08551	725432	WMWGASAP_1360
BC08552	725432	WMWGASAP_1360
BC08553	725432	WMWGASAP_1360
BC08554	725432	WMWGASAP_1360
BC08555	725432	WMWGASAP_1360
BC08556	725432	WMWGASAP_1360
BC08557	725432	WMWGASAP_1360
BC08558	725432	WMWGASAP_1360

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.

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- 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.

Case Narrative

Dissolved Mercury

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07756	724711	WMWGASAP_1360

4. All of the above samples were analyzed and prepared by EPA 245.1 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 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.
- Due to no filtered method blank (MB) or laboratory control sample (LCS) submitted with the sample set, an unfiltered MB and LCS were digested and analyzed with the samples in each batch.
- All laboratory control sample criteria were met.
- The method blank associated with each digestion batch was below the limit of quantitation for the requested analyte.
- All calibration met criteria for the requested analyte.
- All response signals were satisfactory.

Matrix Specific Quality Control Procedures:

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

- A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
- A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.

7. All samples were analyzed without a dilution.

Nitrate-Nitrite

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724766	WMWGASAP_1360
BC07756	724766	WMWGASAP_1360
BC07757	724766	WMWGASAP_1360
BC07758	724766	WMWGASAP_1360
BC07759	724766	WMWGASAP_1360
BC07760	724766	WMWGASAP_1360
BC07761	724766	WMWGASAP_1360
BC07762	724766	WMWGASAP_1360
BC07763	724766	WMWGASAP_1360
BC07764	724766	WMWGASAP_1360
BC07765	724767	WMWGASAP_1360
BC07766	724767	WMWGASAP_1360
BC07767	724767	WMWGASAP_1360
BC07768	724767	WMWGASAP_1360
BC07769	724767	WMWGASAP_1360
BC07770	724767	WMWGASAP_1360
BC07771	724767	WMWGASAP_1360
BC07772	724767	WMWGASAP_1360
BC07773	724767	WMWGASAP_1360
BC08175	724767	WMWGASAP_1360
BC08176	724768	WMWGASAP_1360
BC08177	724768	WMWGASAP_1360
BC08178	724768	WMWGASAP_1360
BC08179	724768	WMWGASAP_1360
BC08180	724768	WMWGASAP_1360
BC08181	724768	WMWGASAP_1360
BC08182	724768	WMWGASAP_1360
BC08183	724768	WMWGASAP_1360
BC08184	724768	WMWGASAP_1360
BC08185	724768	WMWGASAP_1360
BC08186	724769	WMWGASAP_1360

BC08187	724769	WMWGASAP_1360
BC08188	724769	WMWGASAP_1360
BC08189	724769	WMWGASAP_1360
BC08190	724769	WMWGASAP_1360
BC08191	724769	WMWGASAP_1360
BC08539	725461	WMWGASAP_1360
BC08540	725461	WMWGASAP_1360
BC08541	725461	WMWGASAP_1360
BC08542	725461	WMWGASAP_1360
BC08543	725461	WMWGASAP_1360
BC08544	725461	WMWGASAP_1360
BC08545	725461	WMWGASAP_1360
BC08546	725461	WMWGASAP_1360
BC08547	725461	WMWGASAP_1360
BC08548	725461	WMWGASAP_1360
BC08549	725462	WMWGASAP_1360
BC08550	725462	WMWGASAP_1360
BC08551	725462	WMWGASAP_1360
BC08552	725462	WMWGASAP_1360
BC08553	725462	WMWGASAP_1360
BC08554	725462	WMWGASAP_1360
BC08555	725462	WMWGASAP_1360
BC08556	725462	WMWGASAP_1360
BC08557	725462	WMWGASAP_1360
BC08558	725462	WMWGASAP_1360

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:

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Case Narrative

- 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.

Total Organic Carbon

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724666	WMWGASAP_1360
BC07756	724666	WMWGASAP_1360
BC07757	724666	WMWGASAP_1360
BC07758	724666	WMWGASAP_1360
BC07759	724666	WMWGASAP_1360
BC07760	724666	WMWGASAP_1360
BC07761	724666	WMWGASAP_1360
BC07762	724666	WMWGASAP_1360
BC07763	724666	WMWGASAP_1360
BC07764	724666	WMWGASAP_1360
BC07765	724667	WMWGASAP_1360
BC07766	724667	WMWGASAP_1360
BC07767	724667	WMWGASAP_1360
BC07768	724667	WMWGASAP_1360
BC07769	724667	WMWGASAP_1360
BC07770	724667	WMWGASAP_1360
BC07771	724667	WMWGASAP_1360
BC07772	724667	WMWGASAP_1360
BC07773	724667	WMWGASAP_1360
BC08175	725348	WMWGASAP_1360
BC08176	725348	WMWGASAP_1360
BC08177	725348	WMWGASAP_1360
BC08178	725348	WMWGASAP_1360
BC08179	725348	WMWGASAP_1360
BC08180	725348	WMWGASAP_1360
BC08181	725348	WMWGASAP_1360
BC08182	725348	WMWGASAP_1360
BC08183	725348	WMWGASAP_1360
BC08184	725348	WMWGASAP_1360
BC08185	725349	WMWGASAP_1360
BC08186	725349	WMWGASAP_1360

BC08187	725349	WMWGASAP_1360
BC08188	725349	WMWGASAP_1360
BC08189	725349	WMWGASAP_1360
BC08190	725349	WMWGASAP_1360
BC08191	725349	WMWGASAP_1360
BC08539	725659	WMWGASAP_1360
BC08540	725659	WMWGASAP_1360
BC08541	725659	WMWGASAP_1360
BC08542	725659	WMWGASAP_1360
BC08543	725659	WMWGASAP_1360
BC08544	725659	WMWGASAP_1360
BC08545	725659	WMWGASAP_1360
BC08546	725659	WMWGASAP_1360
BC08547	725659	WMWGASAP_1360
BC08548	725659	WMWGASAP_1360
BC08549	725660	WMWGASAP_1360
BC08550	725660	WMWGASAP_1360
BC08551	725660	WMWGASAP_1360
BC08552	725660	WMWGASAP_1360
BC08553	725660	WMWGASAP_1360
BC08554	725660	WMWGASAP_1360
BC08555	725660	WMWGASAP_1360
BC08556	725660	WMWGASAP_1360
BC08557	725660	WMWGASAP_1360
BC08558	725660	WMWGASAP_1360

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:

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- 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 factor.
 8. The raw data results are shown with dilution factors included.

Total Dissolved Solids

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724307	WMWGASAP_1360
BC07756	724307	WMWGASAP_1360
BC07757	724307	WMWGASAP_1360
BC07758	724307	WMWGASAP_1360
BC07759	724307	WMWGASAP_1360
BC07760	724308	WMWGASAP_1360
BC07761	724493	WMWGASAP_1360
BC07762	724493	WMWGASAP_1360
BC07763	724493	WMWGASAP_1360
BC07764	724308	WMWGASAP_1360
BC07765	724308	WMWGASAP_1360
BC07766	724308	WMWGASAP_1360
BC07767	724308	WMWGASAP_1360
BC07768	724308	WMWGASAP_1360
BC07769	724308	WMWGASAP_1360
BC07771	724308	WMWGASAP_1360
BC07772	724308	WMWGASAP_1360
BC07773	724493	WMWGASAP_1360
BC08175	724899	WMWGASAP_1360
BC08176	724899	WMWGASAP_1360
BC08177	724899	WMWGASAP_1360
BC08178	724899	WMWGASAP_1360
BC08179	724899	WMWGASAP_1360
BC08180	724900	WMWGASAP_1360
BC08181	724900	WMWGASAP_1360
BC08182	724900	WMWGASAP_1360
BC08183	724900	WMWGASAP_1360
BC08184	724900	WMWGASAP_1360
BC08185	724900	WMWGASAP_1360
BC08186	724900	WMWGASAP_1360
BC08187	724900	WMWGASAP_1360

BC08188	724900	WMWGASAP_1360
BC08189	724900	WMWGASAP_1360
BC08190	725269	WMWGASAP_1360
BC08191	725269	WMWGASAP_1360
BC08539	725357	WMWGASAP_1360
BC08540	725357	WMWGASAP_1360
BC08541	725357	WMWGASAP_1360
BC08542	725357	WMWGASAP_1360
BC08543	725357	WMWGASAP_1360
BC08544	725357	WMWGASAP_1360
BC08545	725686	WMWGASAP_1360
BC08546	725686	WMWGASAP_1360
BC08547	725686	WMWGASAP_1360
BC08548	725357	WMWGASAP_1360
BC08549	725358	WMWGASAP_1360
BC08550	725358	WMWGASAP_1360
BC08551	725358	WMWGASAP_1360
BC08552	725358	WMWGASAP_1360
BC08553	725358	WMWGASAP_1360
BC08554	725358	WMWGASAP_1360
BC08555	725358	WMWGASAP_1360
BC08556	725358	WMWGASAP_1360
BC08557	725358	WMWGASAP_1360
BC08558	725358	WMWGASAP_1360

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 $\leq 10\%$.
- 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 $< 2.5\text{mg}$ had the maximum volume of 150mL filtered. Affected samples are as follows:
 - BC07770
 - BC07763
 - BC08179
 - BC08191

Case Narrative

- BC08547
- BC08550

Anions

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	724398,724400,725304	WMWGASAP_1360
BC07756	724398,724400,725304	WMWGASAP_1360
BC07757	724398,724400,725304	WMWGASAP_1360
BC07758	724398,724400,725304	WMWGASAP_1360
BC07759	724398,724400,725304	WMWGASAP_1360
BC07760	724398,724400,725304	WMWGASAP_1360
BC07761	724398,724400,725304	WMWGASAP_1360
BC07762	724398,724400,725304	WMWGASAP_1360
BC07763	724398,724400,725304	WMWGASAP_1360
BC07764	724398,724400,725304	WMWGASAP_1360
BC07765	724399,724401,725305	WMWGASAP_1360
BC07766	724399,724401,725305	WMWGASAP_1360
BC07767	724399,724401,725305	WMWGASAP_1360
BC07768	724399,724401,725305	WMWGASAP_1360
BC07769	724399,724401,725305	WMWGASAP_1360
BC07770	724399,724401,725305	WMWGASAP_1360
BC07771	724399,724401,725305	WMWGASAP_1360
BC07772	724399,724401,725305	WMWGASAP_1360
BC07773	724399,724401,725305	WMWGASAP_1360
BC08175	724937,724939,725305	WMWGASAP_1360
BC08176	724937,724939,725306	WMWGASAP_1360
BC08177	724937,724939,725306	WMWGASAP_1360
BC08178	724937,724939,725306	WMWGASAP_1360
BC08179	724937,724939,725306	WMWGASAP_1360
BC08180	724937,724939,725306	WMWGASAP_1360
BC08181	724937,724939,725306	WMWGASAP_1360
BC08182	724937,724939,725306	WMWGASAP_1360
BC08183	724937,724939,725306	WMWGASAP_1360
BC08184	724937,724939,725306	WMWGASAP_1360
BC08185	724938,724940,725306	WMWGASAP_1360
BC08186	724938,724940,725307	WMWGASAP_1360

BC08187	724938,724940,725307	WMWGASAP_1360
BC08188	724938,724940,725307	WMWGASAP_1360
BC08189	724938,724940,725307	WMWGASAP_1360
BC08190	724938,724940,725307	WMWGASAP_1360
BC08191	724938,724940,725307	WMWGASAP_1360
BC08539	725821,725823,726368	WMWGASAP_1360
BC08540	725821,725823,726368	WMWGASAP_1360
BC08541	725821,725823,726368	WMWGASAP_1360
BC08542	725821,725823,726368	WMWGASAP_1360
BC08543	725821,725823,726368	WMWGASAP_1360
BC08544	725821,725823,726368	WMWGASAP_1360
BC08545	725821,725823,726368	WMWGASAP_1360
BC08546	725821,725823,726368	WMWGASAP_1360
BC08547	725821,725823,726368	WMWGASAP_1360
BC08548	725821,725823,726368	WMWGASAP_1360
BC08549	725822,725824,726369	WMWGASAP_1360
BC08550	725822,725824,726369	WMWGASAP_1360
BC08551	725822,725824,726369	WMWGASAP_1360
BC08552	725822,725824,726369	WMWGASAP_1360
BC08553	725822,725824,726369	WMWGASAP_1360
BC08554	725822,725824,726369	WMWGASAP_1360
BC08555	725822,725824,726369	WMWGASAP_1360
BC08556	725822,725824,726369	WMWGASAP_1360
BC08557	725822,725824,726369	WMWGASAP_1360
BC08558	725822,725824,726369	WMWGASAP_1360

4. All of the above samples were 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC07755	Chloride, Sulfate	2, 20
BC07756	Chloride, Sulfate	2, 20
BC07758	Sulfate	20
BC07759	Sulfate	20
BC07760	Sulfate	25
BC07761	Chloride, Sulfate	20, 20
BC07762	Chloride, Sulfate	16, 16
BC07771	Chloride, Sulfate	10, 2
BC07772	Chloride, Sulfate	2, 2
BC07773	Chloride, Sulfate	5, 4
BC08175	Chloride, Sulfate	16, 10
BC08177	Sulfate	4
BC08178	Chloride, Sulfate	4, 8
BC08180	Sulfate	20
BC08181	Sulfate	2
BC08182	Chloride	2
BC08183	Sulfate	10
BC08184	Chloride, Sulfate	10, 16
BC08185	Chloride, Sulfate	2, 10
BC08186	Chloride, Sulfate	2, 10
BC08187	Chloride, Sulfate	2, 10
BC08188	Sulfate	8
BC08189	Sulfate	8
BC08190	Sulfate	8
BC08542	Sulfate	3
BC08543	Sulfate	5

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BC08544	Chloride, Sulfate	2, 8
BC08545	Chloride, Sulfate	2, 8
BC08546	Sulfate	4
BC08552	Sulfate	5
BC08553	Chloride	2
BC08554	Chloride, Sulfate	16, 16

8. The raw data results are shown with dilution factors included.

Alkalinity

Gaston Ash Pond

WMWGASAP_1360

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC07755	725255, 725256	WMWGASAP_1360
BC07756	725255, 725256	WMWGASAP_1360
BC07757	725255, 725256	WMWGASAP_1360
BC07758	725329, 725330	WMWGASAP_1360
BC07759	725329, 725330	WMWGASAP_1360
BC07760	725329, 725330	WMWGASAP_1360
BC07761	725329, 725330	WMWGASAP_1360
BC07762	725329, 725330	WMWGASAP_1360
BC07764	725255, 725256	WMWGASAP_1360
BC07765	725255, 725256	WMWGASAP_1360
BC07766	725255, 725256	WMWGASAP_1360
BC07767	725255, 725256	WMWGASAP_1360
BC07768	725255, 725256	WMWGASAP_1360
BC07769	725255, 725256	WMWGASAP_1360
BC07771	725329, 725330	WMWGASAP_1360
BC07772	725329, 725330	WMWGASAP_1360
BC07773	725329, 725330	WMWGASAP_1360
BC08175	725825, 725826	WMWGASAP_1360
BC08176	725825, 725826	WMWGASAP_1360
BC08177	725825, 725826	WMWGASAP_1360
BC08178	725825, 725826	WMWGASAP_1360
BC08180	725913, 725914	WMWGASAP_1360
BC08181	725913, 725914	WMWGASAP_1360
BC08182	725913, 725914	WMWGASAP_1360
BC08183	725825, 725826	WMWGASAP_1360
BC08184	725825, 725826	WMWGASAP_1360
BC08185	725825, 725826	WMWGASAP_1360
BC08186	725913, 725914	WMWGASAP_1360
BC08187	725913, 725914	WMWGASAP_1360
BC08188	725913, 725914	WMWGASAP_1360
BC08189	725913, 725914	WMWGASAP_1360

BC08190	725913, 725914	WMWGASAP_1360
BC08539	726128, 726129	WMWGASAP_1360
BC08540	726128, 726129	WMWGASAP_1360
BC08541	726243, 726244	WMWGASAP_1360
BC08542	726243, 726244	WMWGASAP_1360
BC08543	726243, 726244	WMWGASAP_1360
BC08544	726243, 726244	WMWGASAP_1360
BC08545	726243, 726244	WMWGASAP_1360
BC08546	726243, 726244	WMWGASAP_1360
BC08548	726128, 726129	WMWGASAP_1360
BC08549	726128, 726129	WMWGASAP_1360
BC08551	726243, 726244	WMWGASAP_1360
BC08552	726243, 726244	WMWGASAP_1360
BC08553	726128, 726129	WMWGASAP_1360
BC08554	726128, 726129	WMWGASAP_1360
BC08555	726243, 726244	WMWGASAP_1360
BC08556	726243, 726244	WMWGASAP_1360
BC08557	726243, 726244	WMWGASAP_1360
BC08558	726243, 726244	WMWGASAP_1360

4. All of the above samples were prepared and analyzed 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:

- BC07755
- BC07756
- BC07758
- BC07759
- BC07760
- BC07761
- BC07762
- BC08175
- BC08180
- BC08183
- BC08184
- BC08554

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V

Location Code: WMWGASAP
Collected: 4/19/22 12:25
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07755

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:34		1.015	3.07	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 13:49		10.15	130	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 12:34		1.015	0.499	mg/L	0.008120	0.0406	
* Lithium, Total	4/22/22 14:29	4/25/22 12:34		1.015	0.0416	mg/L	0.007105	0.01999956	
* Magnesium, Total	4/22/22 14:29	4/25/22 13:49		10.15	68.6	mg/L	0.21315	4.06	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:34		1	7.77	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:34		1.015	3.63	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 12:34		1.015	18.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 10:51		1.015	3.05	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:03		10.15	140	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 10:51		1.015	0.209	mg/L	0.008120	0.0406	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 10:51		1.015	0.0422	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 12:03		10.15	76.5	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 10:51		1	7.53	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 10:51		1.015	3.52	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 10:51		1.015	19.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.918	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.00298	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.0323	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:13		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.0000886	mg/L	0.000068	0.000203	J
* Chromium, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.00174	mg/L	0.000203	0.001015	
* Cobalt, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.000332	mg/L	0.000068	0.000203	
* Lead, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.00115	mg/L	0.000068	0.000203	
* Manganese, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.0170	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.338	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 15:13		1.015	0.529	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V

Location Code: WMWGASAP
Collected: 4/19/22 12:25
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07755

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.00182	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.0285	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.000216	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.0000878	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.0133	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.338	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	0.327	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 12:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:13		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 12:57	4/28/22 12:57		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	74.0	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	856	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	73.1	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	0.808	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 16:47	4/26/22 16:47		1	Not Detected	mg/L	1.00	2	U

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Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V

Location Code: WMWGASAP
Collected: 4/19/22 12:25
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07755

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:01	4/25/22 11:01		2	22.0	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:02	4/25/22 13:02		1	0.0679	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:11	5/3/22 09:11		20	501	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/19/22 12:21	4/19/22 12:21			959.32	uS/cm			FA
pH	4/19/22 12:21	4/19/22 12:21			8.11	SU			FA
Temperature	4/19/22 12:21	4/19/22 12:21			29.38	C			FA
Turbidity	4/19/22 12:21	4/19/22 12:21			29.8	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 12:25
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC07755

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 12:25
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC07755

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 12:25

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC07755

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 12:25

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC07755

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07759	Solids, Dissolved	mg/L	0.0000	25.0			754	54.0	40.0 to 60.0			1.84	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V Dis

Location Code: WMWGASAP
Collected: 4/19/22 12:25
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07756

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA							
* Boron, Dissolved	4/26/22 10:23	4/27/22 10:54		1.015	3.06	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:06		10.15	137	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 10:54		1.015	0.222	mg/L	0.008120	0.0406	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 10:54		1.015	0.0427	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 12:06		10.15	74.8	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 10:54		1	7.58	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 10:54		1.015	3.54	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 10:54		1.015	19.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	0.00170	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	0.0288	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	0.0000702	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	0.0130	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	0.337	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	0.342	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Dissolved by CVAA	4/27/22 17:14	4/27/22 22:55		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 12:58	4/28/22 12:58		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	74.0	mg/L		0.1	

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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V Dis

Location Code: WMWGASAP
Collected: 4/19/22 12:25
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07756

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	854	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	73.1	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	0.865	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 17:06	4/26/22 17:06		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:02	4/25/22 11:02		2	21.9	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:03	4/25/22 13:03		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:12	5/3/22 09:12		20	495	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/19/22 12:21	4/19/22 12:21			959.32	uS/cm			FA
pH	4/19/22 12:21	4/19/22 12:21			8.11	SU			FA
Temperature	4/19/22 12:21	4/19/22 12:21			29.38	C			FA
Turbidity	4/19/22 12:21	4/19/22 12:21			29.8	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 12:25
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V Dis

Laboratory ID Number: BC07756

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07756	Mercury, Dissolved by	mg/L	-0.0002	0.000500	0.004	0.00384	0.00388	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	1.04	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 12:25

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V Dis

Laboratory ID Number: BC07756

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard Limit	Rec		Prec Limit
				Limit	Spike	MS	MSD				Rec	Limit	
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 12:25

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20V Dis

Laboratory ID Number: BC07756

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07759	Solids, Dissolved	mg/L	0.0000	25.0			754	54.0	40.0 to 60.0			1.84	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-19

Location Code: WMWGASAP
Collected: 4/19/22 15:45
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07757

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:37		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	4/22/22 14:29	4/25/22 13:52		10.15	45.6	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 12:37		1.015	0.552	mg/L	0.008120	0.0406	
* Lithium, Total	4/22/22 14:29	4/25/22 12:37		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 12:37		1.015	22.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:37		1	8.67	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:37		1.015	4.05	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 12:37		1.015	14.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	39.5	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	0.473	mg/L	0.008120	0.0406	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	23.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 10:57		1	8.65	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	4.04	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 10:57		1.015	15.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:17		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.00215	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.0141	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:17		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.000298	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.000168	mg/L	0.000068	0.000203	J
* Lead, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.000191	mg/L	0.000068	0.000203	J
* Manganese, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.0131	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.0146	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 15:17		1.015	0.353	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-19

Location Code: WMWGASAP
Collected: 4/19/22 15:45
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07757

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	0.00196	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	0.0135	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	0.000163	mg/L	0.000068	0.000203	J
* Lead, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	0.0117	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	0.0145	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	0.352	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 12:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:16		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:00	4/28/22 13:00		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	210	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	225	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	208	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	1.91	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 17:27	4/26/22 17:27		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-19

Location Code: WMWGASAP
Collected: 4/19/22 15:45
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07757

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 10:49	4/25/22 10:49		1	13.7	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:04	4/25/22 13:04		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:13	5/3/22 09:13		1	27.6	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/19/22 15:42	4/19/22 15:42			370.93	uS/cm			FA
pH	4/19/22 15:42	4/19/22 15:42			7.63	SU			FA
Temperature	4/19/22 15:42	4/19/22 15:42			33.57	C			FA
Turbidity	4/19/22 15:42	4/19/22 15:42			1.08	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:45
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC07757

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:45
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC07757

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:45
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC07757

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 15:45

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC07757

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07759	Solids, Dissolved	mg/L	0.0000	25.0			754	54.0	40.0 to 60.0			1.84	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV

Location Code: WMWGASAP
Collected: 4/20/22 10:55
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07758

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:39		1.015	2.91	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 13:55		10.15	136	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 13:55		10.15	8.00	mg/L	0.08120	0.406	
* Lithium, Total	4/22/22 14:29	4/25/22 12:39		1.015	0.00728	mg/L	0.007105	0.01999956	J
* Magnesium, Total	4/22/22 14:29	4/25/22 13:55		10.15	50.3	mg/L	0.21315	4.06	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:39		1	15.3	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:39		1.015	7.16	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 12:39		1.015	15.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:00		1.015	2.92	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:09		10.15	139	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 12:09		10.15	7.68	mg/L	0.08120	0.406	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:00		1.015	0.00740	mg/L	0.007105	0.01999956	J
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 12:09		10.15	53.6	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:00		1	15.5	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:00		1.015	7.22	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:00		1.015	16.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.00226	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.119	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.000241	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.000499	mg/L	0.000068	0.000203	
* Lead, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.170	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.174	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 15:20		1.015	0.776	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV

Location Code: WMWGASAP
Collected: 4/20/22 10:55
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07758

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	0.00180	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	0.118	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	0.000472	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	0.163	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	0.174	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	0.778	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 12:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:20		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:02	4/28/22 13:02		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	108	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	748	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	107	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	0.666	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 17:45	4/26/22 17:45		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV

Location Code: WMWGASAP

Collected: 4/20/22 10:55

Customer ID:

Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07758

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 10:50	4/25/22 10:50		1	18.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:06	4/25/22 13:06		1	0.0672	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:15	5/3/22 09:15		20	416	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/20/22 10:50	4/20/22 10:50			797.96	uS/cm			FA
pH	4/20/22 10:50	4/20/22 10:50			7.10	SU			FA
Temperature	4/20/22 10:50	4/20/22 10:50			33.04	C			FA
Turbidity	4/20/22 10:50	4/20/22 10:50			9.6	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:55
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC07758

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:55
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC07758

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:55
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC07758

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/20/22 10:55

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC07758

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07759	Solids, Dissolved	mg/L	0.0000	25.0			754	54.0	40.0 to 60.0			1.84	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV Dup

Location Code: WMWGASAP
Collected: 4/20/22 10:55
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07759

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	4/22/22 14:29	4/25/22 12:42		1.015	2.92	mg/L	0.030000	0.1015		
* Calcium, Total	4/22/22 14:29	4/25/22 13:58		10.15	152	mg/L	0.70035	4.06		
* Iron, Total	4/22/22 14:29	4/25/22 13:58		10.15	8.48	mg/L	0.08120	0.406		
* Lithium, Total	4/22/22 14:29	4/25/22 12:42		1.015	0.00723	mg/L	0.007105	0.01999956	J	
* Magnesium, Total	4/22/22 14:29	4/25/22 13:58		10.15	53.5	mg/L	0.21315	4.06		
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:42		1	15.4	mg/L				
Silicon, Total	4/22/22 14:29	4/25/22 12:42		1.015	7.19	mg/L	0.02030	0.25375		
* Sodium, Total	4/22/22 14:29	4/25/22 12:42		1.015	16.3	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:02		1.015	2.90	mg/L	0.030000	0.1015		
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:12		10.15	143	mg/L	0.70035	4.06		
* Iron, Dissolved	4/26/22 10:23	4/27/22 12:12		10.15	7.81	mg/L	0.08120	0.406		
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:02		1.015	0.00730	mg/L	0.007105	0.01999956	J	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 12:12		10.15	54.8	mg/L	0.21315	4.06		
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:02		1	15.4	mg/L				
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:02		1.015	7.19	mg/L	0.02030	0.25375		
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:02		1.015	16.9	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638					
* Antimony, Total	4/25/22 10:32	4/25/22 15:24		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.00639	mg/L	0.006090	0.01015	J	
* Arsenic, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.00228	mg/L	0.000081	0.000203		
* Barium, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.120	mg/L	0.000508	0.001015		
* Beryllium, Total	4/25/22 10:32	4/25/22 15:24		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	4/25/22 10:32	4/25/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.000237	mg/L	0.000203	0.001015	J	
* Cobalt, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.000553	mg/L	0.000068	0.000203		
* Lead, Total	4/25/22 10:32	4/25/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.167	mg/L	0.000152	0.000203		
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.174	mg/L	0.000102	0.000203		
* Potassium, Total	4/25/22 10:32	4/25/22 15:24		1.015	0.767	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV Dup

Location Code: WMWGASAP
Collected: 4/20/22 10:55
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07759

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	0.00195	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	0.116	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	0.000515	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	0.170	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	0.175	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	0.796	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 12:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:24		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:04	4/28/22 13:04		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	119	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	768	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	119	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	Not Detected	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 18:04	4/26/22 18:04		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV Dup

Location Code: WMWGASAP
Collected: 4/20/22 10:55
Customer ID:
Submittal Date: 4/21/22 09:51

Laboratory ID Number: BC07759

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 10:51	4/25/22 10:51		1	17.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:07	4/25/22 13:07		1	0.0669	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:16	5/3/22 09:16		20	441	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/20/22 10:50	4/20/22 10:50			797.96	uS/cm			FA
pH	4/20/22 10:50	4/20/22 10:50			7.10	SU			FA
Temperature	4/20/22 10:50	4/20/22 10:50			33.04	C			FA
Turbidity	4/20/22 10:50	4/20/22 10:50			9.6	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:55
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV Dup

Laboratory ID Number: BC07759

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:55
Customer ID:
Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV Dup

Laboratory ID Number: BC07759

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/20/22 10:55

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV Dup

Laboratory ID Number: BC07759

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/20/22 10:55

Customer ID:

Delivery Date: 4/21/22 09:51

Description: Gaston Ash Pond - MW-20SV Dup

Laboratory ID Number: BC07759

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07759	Solids, Dissolved	mg/L	0.0000	25.0			754	54.0	40.0 to 60.0			1.84	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20

Location Code: WMWGASAP
Collected: 4/20/22 12:03
Customer ID:
Submittal Date: 4/21/22 09:53

Laboratory ID Number: BC07760

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:45		1.015	4.49	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 14:01		10.15	182	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 12:45		1.015	0.0147	mg/L	0.008120	0.0406	J
* Lithium, Total	4/22/22 14:29	4/25/22 12:45		1.015	0.119	mg/L	0.007105	0.01999956	
* Magnesium, Total	4/22/22 14:29	4/25/22 14:01		10.15	55.2	mg/L	0.21315	4.06	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:45		1	5.95	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:45		1.015	2.78	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 12:45		1.015	27.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:05		1.015	4.41	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:15		10.15	192	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:05		1.015	0.0196	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:05		1.015	0.129	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 12:15		10.15	63.4	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:05		1	6.01	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:05		1.015	2.81	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:05		1.015	30.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/25/22 10:32	4/25/22 15:28		1.015	0.00405	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:28		1.015	0.0554	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:28		1.015	0.000134	mg/L	0.000068	0.000203	J
* Chromium, Total	4/25/22 10:32	4/25/22 15:28		1.015	0.00186	mg/L	0.000203	0.001015	
* Cobalt, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 15:28		1.015	0.00307	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:28		1.015	0.840	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 15:28		1.015	5.68	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20

Location Code: WMWGASAP
Collected: 4/20/22 12:03
Customer ID:
Submittal Date: 4/21/22 09:53

Laboratory ID Number: BC07760

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	0.00378	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	0.0542	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	0.000101	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	0.000271	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	0.00290	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	0.798	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	5.42	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 12:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:28		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:06	4/28/22 13:06		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	54.9	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	946	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	54.4	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	Not Detected	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 18:22	4/26/22 18:22		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20

Location Code: WMWGASAP
Collected: 4/20/22 12:03
Customer ID:
Submittal Date: 4/21/22 09:53

Laboratory ID Number: BC07760

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 10:52	4/25/22 10:52		1	19.9	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:08	4/25/22 13:08		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:17	5/3/22 09:17		25	575	mg/L	15.0	50	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/20/22 11:59	4/20/22 11:59			861.37	uS/cm			FA
pH	4/20/22 11:59	4/20/22 11:59			7.83	SU			FA
Temperature	4/20/22 11:59	4/20/22 11:59			33.37	C			FA
Turbidity	4/20/22 11:59	4/20/22 11:59			1.47	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 12:03
Customer ID:
Delivery Date: 4/21/22 09:53

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC07760

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 12:03
Customer ID:
Delivery Date: 4/21/22 09:53

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC07760

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 12:03
Customer ID:
Delivery Date: 4/21/22 09:53

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC07760

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/20/22 12:03

Customer ID:

Delivery Date: 4/21/22 09:53

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC07760

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17

Location Code: WMWGASAP
Collected: 4/20/22 13:38
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07761

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:48		1.015	3.43	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 14:04		10.15	240	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 12:48		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	4/22/22 14:29	4/25/22 12:48		1.015	1.02	mg/L	0.007105	0.01999956	
* Magnesium, Total	4/22/22 14:29	4/25/22 12:48		1.015	10.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:48		1	5.41	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:48		1.015	2.53	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 14:04		10.15	42.1	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:08		1.015	3.39	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:18		10.15	232	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:08		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:08		1.015	1.03	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:08		1.015	10.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:08		1	5.48	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:08		1.015	2.56	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 12:18		10.15	45.8	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.000684	mg/L	0.000508	0.001015	J
* Aluminum, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.0790	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.00840	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.120	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:31		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.000475	mg/L	0.000068	0.000203	
* Chromium, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.000371	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 15:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 15:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.0151	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:44		5.075	2.99	mg/L	0.000508	0.001015	
* Potassium, Total	4/25/22 10:32	4/25/22 15:31		1.015	38.6	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17

Location Code: WMWGASAP

Collected: 4/20/22 13:38

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07761

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:31		1.015	0.0000785	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.000570	mg/L	0.000508	0.001015	J
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.0748	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.00851	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.118	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.000466	mg/L	0.000068	0.000203	
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.0144	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 14:55		5.075	2.97	mg/L	0.000508	0.001015	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	38.6	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:03		1.015	0.0000798	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:32		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:08	4/28/22 13:08		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	21.7	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/26/22 10:33	4/27/22 13:27		1	967	mg/L		75.8	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	17.3	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	3.39	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 18:38	4/26/22 18:38		1	1.17	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17

Location Code: WMWGASAP
Collected: 4/20/22 13:38
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07761

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:03	4/25/22 11:03		20	186	mg/L	10.00	20	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:09	4/25/22 13:09		1	0.128	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:18	5/3/22 09:18		20	444	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/20/22 13:34	4/20/22 13:34			1101.12	uS/cm			FA
pH	4/20/22 13:34	4/20/22 13:34			9.25	SU			FA
Temperature	4/20/22 13:34	4/20/22 13:34			35.34	C			FA
Turbidity	4/20/22 13:34	4/20/22 13:34			2.26	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:38
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC07761

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:38
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC07761

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:38
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC07761

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:38
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC07761

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07773	Solids, Dissolved	mg/L	0.0000	25.0			359	46.0	40.0 to 60.0			1.40	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17SV

Location Code: WMWGASAP
Collected: 4/20/22 14:40
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07762

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:51		1.015	2.61	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 14:07		10.15	140	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 12:51		1.015	0.394	mg/L	0.008120	0.0406	
* Lithium, Total	4/22/22 14:29	4/25/22 12:51		1.015	0.233	mg/L	0.007105	0.01999956	
* Magnesium, Total	4/22/22 14:29	4/25/22 12:51		1.015	21.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:51		1	5.97	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:51		1.015	2.79	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 12:51		1.015	37.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:11		1.015	2.60	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:21		10.15	132	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:11		1.015	0.390	mg/L	0.008120	0.0406	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:11		1.015	0.227	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:11		1.015	21.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:11		1	5.99	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:11		1.015	2.80	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:11		1.015	37.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.00789	mg/L	0.006090	0.01015	J
* Arsenic, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.00183	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.0906	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:35		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.000175	mg/L	0.000068	0.000203	J
* Chromium, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.000268	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.00247	mg/L	0.000068	0.000203	
* Lead, Total	4/25/22 10:32	4/25/22 15:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.703	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:35		1.015	1.17	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 15:35		1.015	20.1	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17SV

Location Code: WMWGASAP

Collected: 4/20/22 14:40

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07762

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:35		1.015	0.000268	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.00174	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.0922	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.000116	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.00253	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.0000726	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.735	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	1.14	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	20.1	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:06		1.015	0.000259	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:36		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:10	4/28/22 13:10		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	42.5	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/26/22 10:33	4/27/22 13:27		1	636	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	42.3	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	Not Detected	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 18:56	4/26/22 18:56		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17SV

Location Code: WMWGASAP

Collected: 4/20/22 14:40

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07762

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:04	4/25/22 11:04		16	59.6	mg/L	8.00	16	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:10	4/25/22 13:10		1	0.0941	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:19	5/3/22 09:19		16	323	mg/L	9.6	32	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/20/22 14:38	4/20/22 14:38			771.33	uS/cm			FA
pH	4/20/22 14:38	4/20/22 14:38			7.63	SU			FA
Temperature	4/20/22 14:38	4/20/22 14:38			35.13	C			FA
Turbidity	4/20/22 14:38	4/20/22 14:38			1.59	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 14:40
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC07762

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 14:40
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC07762

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 14:40
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC07762

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 14:40
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC07762

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07773	Solids, Dissolved	mg/L	0.0000	25.0			359	46.0	40.0 to 60.0			1.40	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-2

Location Code: WMWGASAPFB
Collected: 4/20/22 15:15
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07763

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.070035	0.406	U	
* Iron, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.021315	0.406	U	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:54		1	Not Detected	mg/L				
Silicon, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.02030	0.25375	U	
* Sodium, Total	4/22/22 14:29	4/25/22 12:54		1.015	Not Detected	mg/L	0.03045	0.406	U	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638					
* Antimony, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000081	0.000203	U	
* Barium, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	4/25/22 10:32	4/25/22 15:39		1.015	0.000221	mg/L	0.000203	0.001015	J	
* Cobalt, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000152	0.000203	U	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:39		1.015	0.000136	mg/L	0.000102	0.000203	J	
* Potassium, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.169505	0.5075	U	
* Selenium, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Thallium, Total	4/25/22 10:32	4/25/22 15:39		1.015	Not Detected	mg/L	0.000068	0.000203	U	
Analytical Method: EPA 245.1		Analyst: CRB								
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:40		1	Not Detected	mg/L	0.0003	0.0005	U	
Analytical Method: EPA 353.2		Analyst: CES								
* Nitrogen, Nitrate/Nitrite	4/28/22 13:11	4/28/22 13:11		1	Not Detected	mg/L as N	0.20	0.3	U	
Analytical Method: SM 2540C		Analyst: CNJ								
* Solids, Dissolved	4/26/22 10:33	4/27/22 13:27		1	Not Detected	mg/L		25	U	

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-2

Location Code: WMWGASAPFB

Collected: 4/20/22 15:15

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07763

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 19:13	4/26/22 19:13		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 10:56	4/25/22 10:56		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:12	4/25/22 13:12		1	0.0838	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:21	5/3/22 09:21		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/20/22 15:15

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond Field Blank-2

Laboratory ID Number: BC07763

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB
Sample Date: 4/20/22 15:15
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond Field Blank-2

Laboratory ID Number: BC07763

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0		
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0		
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0		

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/20/22 15:15

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond Field Blank-2

Laboratory ID Number: BC07763

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07773	Solids, Dissolved	mg/L	0.0000	25.0			359	46.0	40.0 to 60.0			1.40	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42

Location Code: WMWGASAP
Collected: 4/19/22 10:42
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07764

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 12:57		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	4/22/22 14:29	4/25/22 12:57		1.015	11.0	mg/L	0.070035	0.406	
* Iron, Total	4/22/22 14:29	4/25/22 12:57		1.015	0.0169	mg/L	0.008120	0.0406	J
* Lithium, Total	4/22/22 14:29	4/25/22 12:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 12:57		1.015	6.76	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 12:57		1	7.49	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 12:57		1.015	3.50	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 12:57		1.015	2.93	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	10.4	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	7.06	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:14		1	7.53	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	3.52	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:14		1.015	3.18	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.0516	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.000269	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.0148	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:42		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.000187	mg/L	0.000068	0.000203	J
* Chromium, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.000481	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.000185	mg/L	0.000068	0.000203	J
* Lead, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.0000746	mg/L	0.000068	0.000203	J
* Manganese, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.0534	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.000132	mg/L	0.000102	0.000203	J
* Potassium, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.261	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42

Location Code: WMWGASAP
Collected: 4/19/22 10:42
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07764

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:42		1.015	0.0000856	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.0136	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.000119	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.000485	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.0249	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.000138	mg/L	0.000102	0.000203	J
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.247	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:10		1.015	0.0000741	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:44		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:13	4/28/22 13:13		1	0.863	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	57.1	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	67.3	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	56.7	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 19:33	4/26/22 19:33		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42

Location Code: WMWGASAP
Collected: 4/19/22 10:42
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07764

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 10:57	4/25/22 10:57		1	3.80	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:13	4/25/22 13:13		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:22	5/3/22 09:22		1	2.25	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/19/22 10:39	4/19/22 10:39			104.64	uS/cm			FA
pH	4/19/22 10:39	4/19/22 10:39			6.31	SU			FA
Temperature	4/19/22 10:39	4/19/22 10:39			17.79	C			FA
Turbidity	4/19/22 10:39	4/19/22 10:39			2.87	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 10:42
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC07764

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07764	Chloride	mg/L	-0.0658	1.00	10.0	14.2	14.4	10.3	9.00 to 11.0	104	80.0 to 120	1.40	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07764	Fluoride	mg/L	0.0209	0.125	2.50	2.77	2.69	2.71	2.25 to 2.75	111	80.0 to 120	2.93	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 10:42
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC07764

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC07764	Sulfate	mg/L	-0.0711	2.0	20.0	22.1	22.3	19.1	18.0 to 22.0	99.2	80.0 to 120	0.901	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 10:42
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC07764

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec Rec	Rec Limit	Prec Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07764	Total Organic Carbon	mg/L	0.240	1.00	10.0	10.2	10.7	24.4		102	80.0 to 120	4.78	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 10:42

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC07764

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC07764	Nitrogen, Nitrate/Nitrite	mg/L as N	0.06	0.200	2.00	2.89	0.839	2.19	1.80 to 2.20	101	90.0 to 110	2.82	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42 Dup

Location Code: WMWGASAP
Collected: 4/19/22 10:42
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07765

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:00		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	4/22/22 14:29	4/25/22 13:00		1.015	11.3	mg/L	0.070035	0.406	
* Iron, Total	4/22/22 14:29	4/25/22 13:00		1.015	0.0169	mg/L	0.008120	0.0406	J
* Lithium, Total	4/22/22 14:29	4/25/22 13:00		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 13:00		1.015	6.90	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:00		1	7.58	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:00		1.015	3.54	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:00		1.015	2.93	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	10.8	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	7.10	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:17		1	7.47	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	3.49	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:17		1.015	3.08	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 15:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.0559	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.000294	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.0154	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 15:46		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.000232	mg/L	0.000068	0.000203	
* Chromium, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.000598	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.000222	mg/L	0.000068	0.000203	
* Lead, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.0000861	mg/L	0.000068	0.000203	J
* Manganese, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.0525	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 15:46		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.262	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42 Dup

Location Code: WMWASAP
Collected: 4/19/22 10:42
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07765

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 15:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 15:46		1.015	0.0000744	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.0000902	mg/L	0.000081	0.000203	J
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.0144	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.000120	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.000432	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.0237	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.000122	mg/L	0.000102	0.000203	J
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.236	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:14		1.015	0.0000720	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 21:48		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:22	4/28/22 13:22		1	0.817	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	57.1	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	68.0	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	56.7	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 20:54	4/26/22 20:54		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42 Dup

Location Code: WMWGASAP

Collected: 4/19/22 10:42

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07765

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:16	4/25/22 11:16		1	3.82	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:25	4/25/22 13:25		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:33	5/3/22 09:33		1	2.53	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/19/22 10:39	4/19/22 10:39			104.64	uS/cm			FA
pH	4/19/22 10:39	4/19/22 10:39			6.31	SU			FA
Temperature	4/19/22 10:39	4/19/22 10:39			17.79	C			FA
Turbidity	4/19/22 10:39	4/19/22 10:39			2.87	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 10:42
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42 Dup

Laboratory ID Number: BC07765

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07765	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.106	0.105	0.102	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC07765	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.184	0.179	0.107	0.0850 to 0.115	128	70.0 to 130	2.75	20.0
BC07765	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0922	0.0906	0.0893	0.0850 to 0.115	92.2	70.0 to 130	1.75	20.0
BC07765	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.0943	0.0931	0.0952	0.0850 to 0.115	94.3	70.0 to 130	1.28	20.0
BC07765	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0967	0.0971	0.100	0.0850 to 0.115	96.6	70.0 to 130	0.413	20.0
BC07765	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0977	0.0994	0.0999	0.0850 to 0.115	97.4	70.0 to 130	1.73	20.0
BC07765	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.110	0.0973	0.0850 to 0.115	96.6	70.0 to 130	0.905	20.0
BC07765	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.113	0.113	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.00	20.0
BC07765	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0903	0.0894	0.0916	0.0850 to 0.115	90.3	70.0 to 130	1.00	20.0
BC07765	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0873	0.0870	0.0881	0.0850 to 0.115	87.3	70.0 to 130	0.344	20.0
BC07765	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	1.01	1.01	1.01	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC07765	Boron, Total	mg/L	-0.000189	0.0650	1.00	1.02	1.01	1.02	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC07765	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0995	0.101	0.102	0.0850 to 0.115	99.4	70.0 to 130	1.50	20.0
BC07765	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	15.7	15.9	4.94	4.25 to 5.75	98.0	70.0 to 130	1.27	20.0
BC07765	Calcium, Total	mg/L	0.00189	0.152	5.00	16.4	16.0	4.93	4.25 to 5.75	102	70.0 to 130	2.47	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07765	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0993	0.0980	0.0997	0.0850 to 0.115	98.9	70.0 to 130	1.32	20.0
BC07765	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.104	0.101	0.103	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC07765	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.101	0.100	0.103	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07765	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.106	0.104	0.107	0.0850 to 0.115	106	70.0 to 130	1.90	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07765	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.199	0.203	0.202	0.170 to 0.230	99.5	70.0 to 130	1.99	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 10:42
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42 Dup

Laboratory ID Number: BC07765

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07765	Iron, Total	mg/L	0.000093	0.0176	0.2	0.216	0.213	0.197	0.170 to 0.230	99.6	70.0 to 130	1.40	20.0
BC07765	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.0982	0.0985	0.0972	0.0850 to 0.115	98.2	70.0 to 130	0.305	20.0
BC07765	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC07765	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.200	0.205	0.170 to 0.230	101	70.0 to 130	0.995	20.0
BC07765	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.190	0.192	0.200	0.170 to 0.230	95.0	70.0 to 130	1.05	20.0
BC07765	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	12.3	12.3	5.33	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC07765	Magnesium, Total	mg/L	0.00692	0.0462	5.00	11.9	11.8	5.12	4.25 to 5.75	100	70.0 to 130	0.844	20.0
BC07765	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.126	0.126	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC07765	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.157	0.154	0.106	0.0850 to 0.115	104	70.0 to 130	1.93	20.0
BC07765	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00384	0.00386	0.00385	0.00340 to 0.00460	96.0	70.0 to 130	0.519	20.0
BC07765	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0967	0.0980	0.0979	0.0850 to 0.115	96.6	70.0 to 130	1.34	20.0
BC07765	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.100	0.0993	0.101	0.0850 to 0.115	100	70.0 to 130	0.702	20.0
BC07765	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	10.1	9.96	10.0	8.50 to 11.5	98.6	70.0 to 130	1.40	20.0
BC07765	Potassium, Total	mg/L	0.00286	0.367	10.0	10.5	10.3	10.3	8.50 to 11.5	102	70.0 to 130	1.92	20.0
BC07765	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.100	0.100	0.100	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07765	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.101	0.102	0.102	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07765	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.49	4.51	1.02	0.850 to 1.15	100	70.0 to 130	0.444	20.0
BC07765	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.54	4.54	1.00	0.850 to 1.15	100	70.0 to 130	0.00	20.0
BC07765	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	8.15	8.07	5.17	4.25 to 5.75	101	70.0 to 130	0.986	20.0
BC07765	Sodium, Total	mg/L	0.00342	0.0660	5.00	7.68	7.79	5.06	4.25 to 5.75	95.0	70.0 to 130	1.42	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07765	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.0996	0.101	0.0981	0.0850 to 0.115	99.5	70.0 to 130	1.40	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 10:42
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42 Dup

Laboratory ID Number: BC07765

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07765	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.103	0.101	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 10:42

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-42 Dup

Laboratory ID Number: BC07765

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38

Location Code: WMWGASAP
Collected: 4/19/22 12:01
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07766

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:14		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	4/22/22 14:29	4/25/22 13:14		1.015	23.3	mg/L	0.070035	0.406	
* Iron, Total	4/22/22 14:29	4/25/22 13:14		1.015	0.0560	mg/L	0.008120	0.0406	
* Lithium, Total	4/22/22 14:29	4/25/22 13:14		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 13:14		1.015	13.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:14		1	6.25	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:14		1.015	2.92	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:14		1.015	3.47	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	22.8	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	13.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:31		1	6.23	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	2.91	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:31		1.015	3.78	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 16:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.214	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.000194	mg/L	0.000081	0.000203	J
* Barium, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.00686	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:08		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 16:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.000662	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.000132	mg/L	0.000068	0.000203	J
* Lead, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.0000959	mg/L	0.000068	0.000203	J
* Manganese, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.00500	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:08		1.015	0.000200	mg/L	0.000102	0.000203	J
* Potassium, Total	4/25/22 10:32	4/25/22 16:08		1.015	Not Detected	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38

Location Code: WMWGASAP
Collected: 4/19/22 12:01
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07766

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	0.0103	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	0.000113	mg/L	0.000081	0.000203	J
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	0.00700	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	0.000446	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	0.000380	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:08		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:24	4/28/22 13:24		1	0.843	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	110	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	122	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	108	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	1.69	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 21:09	4/26/22 21:09		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38

Location Code: WMWGASAP
Collected: 4/19/22 12:01
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07766

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:17	4/25/22 11:17		1	5.24	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:27	4/25/22 13:27		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:34	5/3/22 09:34		1	2.72	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/19/22 11:58	4/19/22 11:58			204.76	uS/cm			FA
pH	4/19/22 11:58	4/19/22 11:58			7.91	SU			FA
Temperature	4/19/22 11:58	4/19/22 11:58			17.51	C			FA
Turbidity	4/19/22 11:58	4/19/22 11:58			4.81	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 12:01
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC07766

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 12:01
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC07766

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 12:01
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC07766

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 12:01

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC07766

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-41

Location Code: WMWGASAP
Collected: 4/19/22 13:29
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07767

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	4/22/22 14:29	4/25/22 13:17		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	4/22/22 14:29	4/25/22 13:17		1.015	29.4	mg/L	0.070035	0.406		
* Iron, Total	4/22/22 14:29	4/25/22 13:17		1.015	0.0293	mg/L	0.008120	0.0406	J	
* Lithium, Total	4/22/22 14:29	4/25/22 13:17		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	4/22/22 14:29	4/25/22 13:17		1.015	16.7	mg/L	0.021315	0.406		
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:17		1	6.55	mg/L				
Silicon, Total	4/22/22 14:29	4/25/22 13:17		1.015	3.06	mg/L	0.02030	0.25375		
* Sodium, Total	4/22/22 14:29	4/25/22 13:17		1.015	0.946	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	29.1	mg/L	0.070035	0.406		
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	17.3	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:34		1	6.61	mg/L				
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	3.09	mg/L	0.02030	0.25375		
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:34		1.015	1.04	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638					
* Antimony, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.0944	mg/L	0.006090	0.01015		
* Arsenic, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.000138	mg/L	0.000081	0.000203	J	
* Barium, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.0185	mg/L	0.000508	0.001015		
* Beryllium, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.000477	mg/L	0.000203	0.001015	J	
* Cobalt, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.0000806	mg/L	0.000068	0.000203	J	
* Lead, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.0121	mg/L	0.000152	0.000203		
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000102	0.000203	U	
* Potassium, Total	4/25/22 10:32	4/25/22 16:11		1.015	0.381	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-41

Location Code: WMWGASAP
Collected: 4/19/22 13:29
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07767

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:11		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	0.000130	mg/L	0.000081	0.000203	J
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	0.0176	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	0.000286	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	0.385	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:11		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:26	4/28/22 13:26		1	0.441	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	152	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	138	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	150	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	1.82	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 21:27	4/26/22 21:27		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-41

Location Code: WMWGASAP
Collected: 4/19/22 13:29
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07767

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:18	4/25/22 11:18		1	2.71	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:28	4/25/22 13:28		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:36	5/3/22 09:36		1	1.37	mg/L	0.6	2	J
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/19/22 13:26	4/19/22 13:26			242.68	uS/cm			FA
pH	4/19/22 13:26	4/19/22 13:26			6.80	SU			FA
Temperature	4/19/22 13:26	4/19/22 13:26			17.22	C			FA
Turbidity	4/19/22 13:26	4/19/22 13:26			4.09	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 13:29
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC07767

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 13:29
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC07767

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 13:29
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC07767

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 13:29
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC07767

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-40

Location Code: WMWGASAP
Collected: 4/19/22 14:33
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07768

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:20		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	4/22/22 14:29	4/25/22 13:20		1.015	21.6	mg/L	0.070035	0.406	
* Iron, Total	4/22/22 14:29	4/25/22 13:20		1.015	0.0279	mg/L	0.008120	0.0406	J
* Lithium, Total	4/22/22 14:29	4/25/22 13:20		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 13:20		1.015	12.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:20		1	7.51	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:20		1.015	3.51	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:20		1.015	1.03	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	21.7	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	13.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:37		1	7.60	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	3.55	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:37		1.015	1.08	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.0861	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.000172	mg/L	0.000081	0.000203	J
* Barium, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.00636	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.00106	mg/L	0.000203	0.001015	
* Cobalt, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.00885	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.000115	mg/L	0.000102	0.000203	J
* Potassium, Total	4/25/22 10:32	4/25/22 16:15		1.015	0.276	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-40

Location Code: WMWASAP

Collected: 4/19/22 14:33

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07768

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	0.00693	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	0.000140	mg/L	0.000081	0.000203	J
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	0.00609	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	0.000880	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	0.00148	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	0.259	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:15		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:28	4/28/22 13:28		1	0.751	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	111	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	107	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	109	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	1.49	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 21:48	4/26/22 21:48		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-40

Location Code: WMWGASAP
Collected: 4/19/22 14:33
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07768

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:20	4/25/22 11:20		1	2.03	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:29	4/25/22 13:29		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:37	5/3/22 09:37		1	0.934	mg/L	0.6	2	J
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/19/22 14:30	4/19/22 14:30			183.46	uS/cm			FA
pH	4/19/22 14:30	4/19/22 14:30			7.68	SU			FA
Temperature	4/19/22 14:30	4/19/22 14:30			18.27	C			FA
Turbidity	4/19/22 14:30	4/19/22 14:30			3.86	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 14:33
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC07768

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 14:33
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC07768

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 14:33
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC07768

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/19/22 14:33

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC07768

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-39

Location Code: WMWGASAP
Collected: 4/19/22 15:30
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07769

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:23		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	4/22/22 14:29	4/25/22 13:23		1.015	36.4	mg/L	0.070035	0.406	
* Iron, Total	4/22/22 14:29	4/25/22 13:23		1.015	0.335	mg/L	0.008120	0.0406	
* Lithium, Total	4/22/22 14:29	4/25/22 13:23		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 13:23		1.015	6.63	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:23		1	11.4	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:23		1.015	5.35	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:23		1.015	3.60	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	36.2	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	0.302	mg/L	0.008120	0.0406	
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	6.87	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:40		1	11.7	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	5.47	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:40		1.015	3.74	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.0120	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.000426	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.0279	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.000299	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.0593	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.000738	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 16:19		1.015	0.362	mg/L	0.169505	0.5075	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-39

Location Code: WMWGASAP
Collected: 4/19/22 15:30
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07769

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	0.000332	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	0.0266	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	0.0576	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	0.000792	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	0.351	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:19		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:30	4/28/22 13:30		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/2/22 11:10	5/2/22 12:57		1	132	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	144	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	131	mg/L			
Carbonate Alkalinity, (calc.)	5/2/22 11:10	5/2/22 12:57		1	1.15	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 22:09	4/26/22 22:09		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-39

Location Code: WMWGASAP
Collected: 4/19/22 15:30
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07769

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:21	4/25/22 11:21		1	2.22	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:30	4/25/22 13:30		1	0.107	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:38	5/3/22 09:38		1	11.4	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/19/22 15:26	4/19/22 15:26			223.66	uS/cm			FA
pH	4/19/22 15:26	4/19/22 15:26			6.85	SU			FA
Temperature	4/19/22 15:26	4/19/22 15:26			18.45	C			FA
Turbidity	4/19/22 15:26	4/19/22 15:26			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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:30
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC07769

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:30
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC07769

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:30
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC07769

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/19/22 15:30
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC07769

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07769	Alkalinity, Total as CaCO3	mg/L					122	51.0	45.0 to 55.0			7.87	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-1

Location Code: WMWGASAPFB
Collected: 4/19/22 16:05
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07770

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.070035	0.406	U	
* Iron, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.021315	0.406	U	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:26		1	Not Detected	mg/L				
Silicon, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.02030	0.25375	U	
* Sodium, Total	4/22/22 14:29	4/25/22 13:26		1.015	Not Detected	mg/L	0.03045	0.406	U	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638					
* Antimony, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000081	0.000203	U	
* Barium, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	4/25/22 10:32	4/25/22 16:22		1.015	0.000359	mg/L	0.000203	0.001015	J	
* Cobalt, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000152	0.000203	U	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000102	0.000203	U	
* Potassium, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.169505	0.5075	U	
* Selenium, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Thallium, Total	4/25/22 10:32	4/25/22 16:22		1.015	Not Detected	mg/L	0.000068	0.000203	U	
Analytical Method: EPA 245.1		Analyst: CRB								
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:23		1	Not Detected	mg/L	0.0003	0.0005	U	
Analytical Method: EPA 353.2		Analyst: CES								
* Nitrogen, Nitrate/Nitrite	4/28/22 13:32	4/28/22 13:32		1	Not Detected	mg/L as N	0.20	0.3	U	
Analytical Method: SM 2540C		Analyst: CNJ								
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	Not Detected	mg/L		25	U	

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-1

Location Code: WMWGASAPFB
Collected: 4/19/22 16:05
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07770

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 22:26	4/26/22 22:26		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:22	4/25/22 11:22		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:31	4/25/22 13:31		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:39	5/3/22 09:39		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/19/22 16:05

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond Field Blank-1

Laboratory ID Number: BC07770

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/19/22 16:05

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond Field Blank-1

Laboratory ID Number: BC07770

Sample	Analysis	Units	MB	MB				Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD		Limit	Rec	Limit	Prec		
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0	
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0	
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0	

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/19/22 16:05

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond Field Blank-1

Laboratory ID Number: BC07770

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23D

Location Code: WMWGASAP
Collected: 4/20/22 10:52
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07771

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:29		1.015	1.46	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 13:29		1.015	34.4	mg/L	0.070035	0.406	
* Iron, Total	4/22/22 14:29	4/25/22 13:29		1.015	0.0190	mg/L	0.008120	0.0406	J
* Lithium, Total	4/22/22 14:29	4/25/22 13:29		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 14:10		10.15	49.0	mg/L	0.21315	4.06	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:29		1	11.1	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:29		1.015	5.17	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:29		1.015	24.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:43		1.015	1.48	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 11:43		1.015	34.0	mg/L	0.070035	0.406	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:43		1.015	0.0164	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:43		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 12:24		10.15	45.5	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:43		1	11.2	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:43		1.015	5.23	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:43		1.015	26.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 16:26		1.015	0.0121	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 16:26		1.015	0.00196	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 16:26		1.015	0.0399	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 16:26		1.015	0.000293	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 16:26		1.015	0.00689	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:26		1.015	0.00098	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 16:26		1.015	4.43	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23D

Location Code: WMWGASAP
Collected: 4/20/22 10:52
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07771

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	0.00855	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	0.00178	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	0.0409	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	0.00674	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	0.00108	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	4.55	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:50		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:27		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:34	4/28/22 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	5/3/22 14:10	5/3/22 15:33		1	212	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	320	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	210	mg/L			
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	1.93	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 22:42	4/26/22 22:42		1	1.44	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23D

Location Code: WMWGASAP

Collected: 4/20/22 10:52

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07771

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:43	4/25/22 11:43		10	56.9	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:33	4/25/22 13:33		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:48	5/3/22 09:48		2	42.6	mg/L	1.2	4	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/20/22 10:48	4/20/22 10:48			581.95	uS/cm			FA
pH	4/20/22 10:48	4/20/22 10:48			7.86	SU			FA
Temperature	4/20/22 10:48	4/20/22 10:48			19.86	C			FA
Turbidity	4/20/22 10:48	4/20/22 10:48			2.02	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:52
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC07771

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:52
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC07771

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/20/22 10:52

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC07771

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 10:52
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC07771

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23S

Location Code: WMWGASAP
Collected: 4/20/22 12:01
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07772

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:32		1.015	0.584	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 14:12		10.15	62.9	mg/L	0.70035	4.06	
* Iron, Total	4/22/22 14:29	4/25/22 13:32		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	4/22/22 14:29	4/25/22 13:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 13:32		1.015	24.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:32		1	6.06	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:32		1.015	2.83	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:32		1.015	10.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:46		1.015	0.586	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:27		10.15	59.1	mg/L	0.70035	4.06	
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:46		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:46		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:46		1.015	25.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:46		1	6.16	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:46		1.015	2.88	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:46		1.015	10.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.0110	mg/L	0.006090	0.01015	
* Arsenic, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.000276	mg/L	0.000081	0.000203	
* Barium, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.0279	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.000256	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.00144	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.0172	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 16:29		1.015	0.982	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23S

Location Code: WMWGASAP

Collected: 4/20/22 12:01

Customer ID:

Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07772

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	0.000175	mg/L	0.000081	0.000203	J
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	0.0254	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	0.000279	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	0.0172	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	1.01	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:31		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:35	4/28/22 13:35		1	0.832	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	185	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/22/22 11:25	4/25/22 13:57		1	276	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	184	mg/L			
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	1.14	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 23:03	4/26/22 23:03		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23S

Location Code: WMWGASAP
Collected: 4/20/22 12:01
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07772

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:44	4/25/22 11:44		2	23.8	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:34	4/25/22 13:34		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:49	5/3/22 09:49		2	40.1	mg/L	1.2	4	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/20/22 11:58	4/20/22 11:58			465.44	uS/cm			FA
pH	4/20/22 11:58	4/20/22 11:58			6.43	SU			FA
Temperature	4/20/22 11:58	4/20/22 11:58			19.41	C			FA
Turbidity	4/20/22 11:58	4/20/22 11:58			1.23	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 12:01
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC07772

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 12:01
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC07772

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 12:01
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC07772

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/20/22 12:01

Customer ID:

Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC07772

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07772	Solids, Dissolved	mg/L	0.0000	25.0			279	54.0	40.0 to 60.0			1.08	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26

Location Code: WMWGASAP
Collected: 4/20/22 13:36
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07773

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	4/22/22 14:29	4/25/22 13:35		1.015	1.03	mg/L	0.030000	0.1015	
* Calcium, Total	4/22/22 14:29	4/25/22 14:15		10.15	73.2	mg/L	0.70035	4.06	RA
* Iron, Total	4/22/22 14:29	4/25/22 13:35		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	4/22/22 14:29	4/25/22 13:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	4/22/22 14:29	4/25/22 13:35		1.015	30.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	4/22/22 14:29	4/25/22 13:35		1	7.23	mg/L			
Silicon, Total	4/22/22 14:29	4/25/22 13:35		1.015	3.38	mg/L	0.02030	0.25375	
* Sodium, Total	4/22/22 14:29	4/25/22 13:35		1.015	16.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	4/26/22 10:23	4/27/22 11:49		1.015	1.03	mg/L	0.030000	0.1015	
* Calcium, Dissolved	4/26/22 10:23	4/27/22 12:29		10.15	63.0	mg/L	0.70035	4.06	RA
* Iron, Dissolved	4/26/22 10:23	4/27/22 11:49		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	4/26/22 10:23	4/27/22 11:49		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	4/26/22 10:23	4/27/22 11:49		1.015	31.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	4/26/22 10:23	4/27/22 11:49		1	7.30	mg/L			
Silicon, Dissolved	4/26/22 10:23	4/27/22 11:49		1.015	3.41	mg/L	0.02030	0.25375	
* Sodium, Dissolved	4/26/22 10:23	4/27/22 11:49		1.015	17.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/25/22 10:32	4/25/22 16:33		1.015	0.00625	mg/L	0.006090	0.01015	J
* Arsenic, Total	4/25/22 10:32	4/25/22 16:33		1.015	0.000116	mg/L	0.000081	0.000203	J
* Barium, Total	4/25/22 10:32	4/25/22 16:33		1.015	0.0171	mg/L	0.000508	0.001015	
* Beryllium, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/25/22 10:32	4/25/22 16:33		1.015	0.000377	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/25/22 10:32	4/25/22 16:33		1.015	0.000633	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/25/22 10:32	4/25/22 16:33		1.015	0.00235	mg/L	0.000102	0.000203	
* Potassium, Total	4/25/22 10:32	4/25/22 16:33		1.015	1.04	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26

Location Code: WMWGASAP
Collected: 4/20/22 13:36
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07773

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/25/22 10:32	4/25/22 16:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	0.000160	mg/L	0.000081	0.000203	J
* Barium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	0.0173	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	0.000218	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	0.000255	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	0.00242	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	1.04	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/25/22 10:40	4/25/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	4/27/22 17:14	4/27/22 22:35		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:37	4/28/22 13:37		1	1.46	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/3/22 14:10	5/3/22 15:33		1	198	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/26/22 10:33	4/27/22 13:27		1	354	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	196	mg/L			
Carbonate Alkalinity, (calc.)	5/3/22 14:10	5/3/22 15:33		1	2.21	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	4/26/22 23:20	4/26/22 23:20		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26

Location Code: WMWGASAP
Collected: 4/20/22 13:36
Customer ID:
Submittal Date: 4/21/22 09:52

Laboratory ID Number: BC07773

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/25/22 11:45	4/25/22 11:45		5	22.3	mg/L	2.50	5	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/25/22 13:35	4/25/22 13:35		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 09:50	5/3/22 09:50		4	93.7	mg/L	2.4	8	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/20/22 13:33	4/20/22 13:33			566.26	uS/cm			FA
pH	4/20/22 13:33	4/20/22 13:33			6.87	SU			FA
Temperature	4/20/22 13:33	4/20/22 13:33			17.97	C			FA
Turbidity	4/20/22 13:33	4/20/22 13:33			0.72	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:36
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC07773

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC07773	Aluminum, Dissolved	mg/L	0.00362	0.010	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Aluminum, Total	mg/L	0.00139	0.010	0.100	0.109	0.108	0.107	0.0850 to 0.115	103	70.0 to 130	0.922	20.0
BC07773	Antimony, Dissolved	mg/L	0.000308	0.00100	0.100	0.0880	0.0902	0.0893	0.0850 to 0.115	88.0	70.0 to 130	2.47	20.0
BC07773	Antimony, Total	mg/L	0.0005	0.00100	0.100	0.100	0.100	0.0952	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC07773	Arsenic, Dissolved	mg/L	0.0000506	0.000176	0.100	0.0992	0.0992	0.100	0.0850 to 0.115	99.0	70.0 to 130	0.00	20.0
BC07773	Arsenic, Total	mg/L	0.0000788	0.000176	0.100	0.0992	0.0987	0.0999	0.0850 to 0.115	99.1	70.0 to 130	0.505	20.0
BC07773	Barium, Dissolved	mg/L	0.0000271	0.00100	0.100	0.111	0.113	0.0973	0.0850 to 0.115	93.7	70.0 to 130	1.79	20.0
BC07773	Barium, Total	mg/L	-0.0000003	0.00100	0.100	0.112	0.110	0.100	0.0850 to 0.115	94.9	70.0 to 130	1.80	20.0
BC07773	Beryllium, Dissolved	mg/L	0.0000678	0.000880	0.100	0.0894	0.0892	0.0916	0.0850 to 0.115	89.4	70.0 to 130	0.224	20.0
BC07773	Beryllium, Total	mg/L	0.0000902	0.000880	0.100	0.0860	0.0860	0.0881	0.0850 to 0.115	86.0	70.0 to 130	0.00	20.0
BC07773	Boron, Dissolved	mg/L	-0.000079	0.0650	1.00	2.07	2.07	1.01	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC07773	Boron, Total	mg/L	-0.000189	0.0650	1.00	2.05	2.07	1.02	0.850 to 1.15	102	70.0 to 130	0.971	20.0
BC07773	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC07773	Cadmium, Total	mg/L	0.0000151	0.000147	0.100	0.100	0.101	0.103	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC07773	Calcium, Dissolved	mg/L	0.00561	0.152	5.00	70.9	69.3	4.94	4.25 to 5.75	158	70.0 to 130	2.28	20.0
BC07773	Calcium, Total	mg/L	0.00189	0.152	5.00	71.3	80.5	4.93	4.25 to 5.75	-38.0	70.0 to 130	12.1	20.0
BC07773	Chloride	mg/L	-0.035	1.00	50.0	78.7	75.3	10.3	9.00 to 11.0	113	80.0 to 120	4.42	20.0
BC07773	Chromium, Dissolved	mg/L	0.0000158	0.000440	0.100	0.0974	0.0977	0.0997	0.0850 to 0.115	97.2	70.0 to 130	0.308	20.0
BC07773	Chromium, Total	mg/L	0.0000384	0.000440	0.100	0.101	0.0991	0.103	0.0850 to 0.115	101	70.0 to 130	1.90	20.0
BC07773	Cobalt, Dissolved	mg/L	0.0000014	0.000147	0.100	0.0994	0.101	0.103	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC07773	Cobalt, Total	mg/L	0.0000044	0.000147	0.100	0.104	0.101	0.107	0.0850 to 0.115	104	70.0 to 130	2.93	20.0
BC07773	Fluoride	mg/L	-0.0167	0.125	2.50	2.69	2.69	2.72	2.25 to 2.75	108	80.0 to 120	0.00	20.0
BC07773	Iron, Dissolved	mg/L	-0.000056	0.0176	0.2	0.202	0.207	0.202	0.170 to 0.230	101	70.0 to 130	2.44	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:36
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC07773

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC07773	Iron, Total	mg/L	0.000093	0.0176	0.2	0.201	0.204	0.197	0.170 to 0.230	100	70.0 to 130	1.48	20.0
BC07773	Lead, Dissolved	mg/L	0.000011	0.000147	0.100	0.100	0.0996	0.0972	0.0850 to 0.115	100	70.0 to 130	0.401	20.0
BC07773	Lead, Total	mg/L	0.0000253	0.000147	0.100	0.0999	0.0986	0.0996	0.0850 to 0.115	99.9	70.0 to 130	1.31	20.0
BC07773	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.202	0.202	0.205	0.170 to 0.230	101	70.0 to 130	0.00	20.0
BC07773	Lithium, Total	mg/L	0.000143	0.0154	0.200	0.195	0.197	0.200	0.170 to 0.230	97.5	70.0 to 130	1.02	20.0
BC07773	Magnesium, Dissolved	mg/L	-0.00157	0.0462	5.00	36.8	36.7	5.33	4.25 to 5.75	102	70.0 to 130	0.272	20.0
BC07773	Magnesium, Total	mg/L	0.00692	0.0462	5.00	35.5	35.6	5.12	4.25 to 5.75	102	70.0 to 130	0.281	20.0
BC07773	Manganese, Dissolved	mg/L	0.0000115	0.0002	0.100	0.101	0.102	0.103	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC07773	Manganese, Total	mg/L	0.000029	0.0002	0.100	0.105	0.103	0.106	0.0850 to 0.115	104	70.0 to 130	1.92	20.0
BC07773	Mercury, Total by CVAA	mg/L	-0.0002	0.000500	0.004	0.00382	0.00384	0.00385	0.00340 to 0.00460	95.5	70.0 to 130	0.522	20.0
BC07773	Molybdenum, Dissolved	mg/L	-0.0000002	0.0002	0.100	0.0993	0.0994	0.0979	0.0850 to 0.115	96.9	70.0 to 130	0.101	20.0
BC07773	Molybdenum, Total	mg/L	0.0000563	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	98.6	70.0 to 130	0.995	20.0
BC07773	Potassium, Dissolved	mg/L	0.00954	0.367	10.0	11.0	10.9	10.0	8.50 to 11.5	99.6	70.0 to 130	0.913	20.0
BC07773	Potassium, Total	mg/L	0.00286	0.367	10.0	11.1	10.9	10.3	8.50 to 11.5	101	70.0 to 130	1.82	20.0
BC07773	Selenium, Dissolved	mg/L	0.0000747	0.00100	0.100	0.103	0.102	0.100	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC07773	Selenium, Total	mg/L	0.000114	0.00100	0.100	0.102	0.101	0.102	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC07773	Silicon, Dissolved	mg/L	-0.000265	0.0440	1.00	4.44	4.44	1.02	0.850 to 1.15	103	70.0 to 130	0.00	20.0
BC07773	Silicon, Total	mg/L	-0.000339	0.0440	1.00	4.36	4.37	1.00	0.850 to 1.15	98.0	70.0 to 130	0.229	20.0
BC07773	Sodium, Dissolved	mg/L	0.000541	0.0660	5.00	22.6	22.7	5.17	4.25 to 5.75	98.0	70.0 to 130	0.442	20.0
BC07773	Sodium, Total	mg/L	0.00342	0.0660	5.00	21.6	21.8	5.06	4.25 to 5.75	98.0	70.0 to 130	0.922	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC07773	Thallium, Dissolved	mg/L	0.0000012	0.000147	0.100	0.103	0.102	0.0981	0.0850 to 0.115	103	70.0 to 130	0.976	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:36
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC07773

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Thallium, Total	mg/L	0.0000049	0.000147	0.100	0.104	0.102	0.101	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC07773	Total Organic Carbon	mg/L	0.250	1.00	10.0	10.1	10.3	24.7		101	80.0 to 120	1.96	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/20/22 13:36
Customer ID:
Delivery Date: 4/21/22 09:52

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC07773

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC07773	Alkalinity, Total as CaCO3	mg/L					201	50.8	45.0 to 55.0			1.50	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC07773	Solids, Dissolved	mg/L	0.0000	25.0			359	46.0	40.0 to 60.0			1.40	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-36V

Location Code: WMWGASAP
Collected: 4/26/22 10:15
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08175

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:29		1.015	0.162	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 09:29		1.015	27.9	mg/L	0.070035	0.406	
* Iron, Total	5/2/22 11:25	5/3/22 09:29		1.015	0.0308	mg/L	0.008120	0.0406	J
* Lithium, Total	5/2/22 11:25	5/3/22 09:29		1.015	0.0180	mg/L	0.007105	0.01999956	J
* Magnesium, Total	5/2/22 11:25	5/3/22 09:29		1.015	21.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:29		1	7.08	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:29		1.015	3.31	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:42		10.15	181	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:31		1.015	0.165	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 09:31		1.015	28.8	mg/L	0.070035	0.406	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:31		1.015	0.0154	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:31		1.015	0.0200	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:31		1.015	21.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:31		1	7.34	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:31		1.015	3.43	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 12:22		10.15	153	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:02		1.015	0.0137	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 15:02		1.015	0.00212	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:02		1.015	0.0799	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:02		1.015	0.0383	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:02		1.015	0.0459	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:02		1.015	47.0	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-36V

Location Code: WMWGASAP
Collected: 4/26/22 10:15
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08175

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	0.00857	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	0.00175	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	0.0894	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	0.0387	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	0.0387	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	47.7	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	0.00463	mg/L	0.000508	0.001015	
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:15		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:39	4/28/22 13:39		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/9/22 12:05	5/9/22 13:20		1	293	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	596	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	289	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	3.93	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 15:14	5/3/22 15:14		1	5.68	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-36V

Location Code: WMWGASAP
Collected: 4/26/22 10:15
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08175

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:30	4/29/22 09:30		16	137	mg/L	8.00	16	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:15	4/29/22 11:15		1	0.436	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:01	5/3/22 10:01		10	165	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/26/22 10:12	4/26/22 10:12			1201.23	uS/cm			FA
pH	4/26/22 10:12	4/26/22 10:12			8.03	SU			FA
Temperature	4/26/22 10:12	4/26/22 10:12			19.55	C			FA
Turbidity	4/26/22 10:12	4/26/22 10:12			2.12	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 10:15
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC08175

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
				Limit					Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0	
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0	
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0	
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0	
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0	
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0	
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0	
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0	
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0	
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0	
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0	
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0	
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0	
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0	
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0	
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0	
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0	
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0	
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0	
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0	
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0	
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0	
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0	

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 10:15
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC08175

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08175	Sulfate	mg/L	-0.089	2.0	200	361	369	19.5	18.0 to 22.0	98.0	80.0 to 120	2.19	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 10:15
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC08175

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 10:15

Customer ID:

Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC08175

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08175	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.06	0.035	2.04	1.80 to 2.20	103	90.0 to 110	0.00	15.0
BC08178	Solids, Dissolved	mg/L	1.00	25.0			420	52.0	40.0 to 60.0			3.05	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-33V

Location Code: WMWGASAP
Collected: 4/26/22 11:43
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08176

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:32		1.015	0.129	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 10:45		10.15	61.6	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 09:32		1.015	0.136	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:32		1.015	0.0711	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 09:32		1.015	22.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:32		1	13.2	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:32		1.015	6.16	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 09:32		1.015	40.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:34		1.015	0.131	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:25		10.15	51.8	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:34		1.015	0.0721	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:34		1.015	0.0745	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:34		1.015	22.1	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:34		1	13.5	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:34		1.015	6.29	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 09:34		1.015	39.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.0161	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.0135	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.0461	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.000324	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.0000756	mg/L	0.000068	0.000203	J
* Lead, Total	4/29/22 09:09	4/29/22 15:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.122	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:05		1.015	0.0292	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:05		1.015	4.26	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-33V

Location Code: WMWGASAP

Collected: 4/26/22 11:43

Customer ID:

Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08176

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.0102	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.0110	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.0466	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.000219	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.119	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.0192	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	4.25	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	0.00222	mg/L	0.000508	0.001015	
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:18		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:48	4/28/22 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	5/9/22 12:05	5/9/22 13:20		1	301	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	303	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	300	mg/L			
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	1.20	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 15:30	5/3/22 15:30		1	5.59	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-33V

Location Code: WMWGASAP
Collected: 4/26/22 11:43
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08176

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:17	4/29/22 09:17		1	18.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:16	4/29/22 11:16		1	0.177	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:13	5/3/22 10:13		1	36.8	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/26/22 11:40	4/26/22 11:40			528.67	uS/cm			FA
pH	4/26/22 11:40	4/26/22 11:40			7.42	SU			FA
Temperature	4/26/22 11:40	4/26/22 11:40			20.24	C			FA
Turbidity	4/26/22 11:40	4/26/22 11:40			2.97	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 11:43
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC08176

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 11:43
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC08176

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 11:43

Customer ID:

Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC08176

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 11:43

Customer ID:

Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC08176

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08178	Solids, Dissolved	mg/L	1.00	25.0			420	52.0	40.0 to 60.0			3.05	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-37V

Location Code: WMWGASAP
Collected: 4/26/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08177

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:35		1.015	0.434	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 10:48		10.15	49.4	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 09:35		1.015	0.115	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:35		1.015	0.0446	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 09:35		1.015	19.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:35		1	7.02	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:35		1.015	3.28	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 09:35		1.015	22.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:38		1.015	0.427	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:28		10.15	41.1	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:38		1.015	0.110	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:38		1.015	0.0471	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:38		1.015	19.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:38		1	7.10	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:38		1.015	3.32	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 09:38		1.015	24.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/29/22 09:09	4/29/22 15:09		1.015	0.000726	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:09		1.015	0.0353	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:09		1.015	0.00632	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:09		1.015	0.176	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:09		1.015	2.45	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-37V

Location Code: WMWGASAP
Collected: 4/26/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08177

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	0.000782	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	0.0353	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	0.000208	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	0.00648	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	0.181	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	2.45	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:25		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:20		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:50	4/28/22 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	5/9/22 12:05	5/9/22 13:20		1	127	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	250	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	125	mg/L			
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	1.74	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 15:53	5/3/22 15:53		1	1.31	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-37V

Location Code: WMWGASAP
Collected: 4/26/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08177

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:18	4/29/22 09:18		1	14.1	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:17	4/29/22 11:17		1	0.152	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:27	5/3/22 10:27		4	91.3	mg/L	2.4	8	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/26/22 13:22	4/26/22 13:22			427.89	uS/cm			FA
pH	4/26/22 13:22	4/26/22 13:22			7.90	SU			FA
Temperature	4/26/22 13:22	4/26/22 13:22			21.03	C			FA
Turbidity	4/26/22 13:22	4/26/22 13:22			1.04	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC08177

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC08177

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC08177

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 13:25

Customer ID:

Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC08177

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08178	Solids, Dissolved	mg/L	1.00	25.0			420	52.0	40.0 to 60.0			3.05	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-32V

Location Code: WMWGASAP
Collected: 4/26/22 14:41
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08178

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:38		1.015	0.417	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 10:51		10.15	68.6	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 09:38		1.015	0.0273	mg/L	0.008120	0.0406	J
* Lithium, Total	5/2/22 11:25	5/3/22 09:38		1.015	0.0637	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 09:38		1.015	25.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:38		1	13.5	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:38		1.015	6.29	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:51		10.15	68.8	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:41		1.015	0.414	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:32		10.15	56.0	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:41		1.015	0.0238	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:41		1.015	0.0663	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:41		1.015	24.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:41		1	13.0	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:41		1.015	6.09	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 12:32		10.15	52.5	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:13		1.015	0.0110	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 15:13		1.015	0.00528	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:13		1.015	0.0584	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:13		1.015	0.000203	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:13		1.015	0.136	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:13		1.015	0.0332	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:13		1.015	4.27	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-32V

Location Code: WMWGASAP

Collected: 4/26/22 14:41

Customer ID:

Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08178

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	0.0115	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	0.00424	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	0.0603	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	0.135	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	0.0481	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	4.04	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	0.00127	mg/L	0.000508	0.001015	
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:22		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:52	4/28/22 13:52		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/9/22 12:05	5/9/22 13:20		1	217	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	433	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	216	mg/L			
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	1.37	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 16:09	5/3/22 16:09		1	2.30	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-32V

Location Code: WMWGASAP
Collected: 4/26/22 14:41
Customer ID:
Submittal Date: 4/28/22 09:32

Laboratory ID Number: BC08178

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:31	4/29/22 09:31		4	35.9	mg/L	2.00	4	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:19	4/29/22 11:19		1	0.160	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:28	5/3/22 10:28		8	130	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/26/22 14:38	4/26/22 14:38			697.38	uS/cm			FA
pH	4/26/22 14:38	4/26/22 14:38			7.84	SU			FA
Temperature	4/26/22 14:38	4/26/22 14:38			21.40	C			FA
Turbidity	4/26/22 14:38	4/26/22 14:38			1.72	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 14:41
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC08178

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
				Limit					Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0	
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0	
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0	
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0	
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0	
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0	
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0	
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0	
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0	
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0	
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0	
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0	
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0	
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0	
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0	
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0	
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0	
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0	
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0	
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0	
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0	
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0	
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0	

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 14:41
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC08178

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 14:41
Customer ID:
Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC08178

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 14:41

Customer ID:

Delivery Date: 4/28/22 09:32

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC08178

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08178	Solids, Dissolved	mg/L	1.00	25.0			420	52.0	40.0 to 60.0			3.05	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-3

Location Code: WMWGASAPFB
Collected: 4/26/22 15:30
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08179

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:41		1	Not Detected	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	5/2/22 11:25	5/3/22 09:41		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:25		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	4/28/22 13:54	4/28/22 13:54		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-3

Location Code: WMWGASAPFB

Collected: 4/26/22 15:30

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08179

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 16:27	5/3/22 16:27		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:21	4/29/22 09:21		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:20	4/29/22 11:20		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:16	5/3/22 10:16		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/26/22 15:30

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond Field Blank-3

Laboratory ID Number: BC08179

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB
Sample Date: 4/26/22 15:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond Field Blank-3

Laboratory ID Number: BC08179

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard Limit	Rec		Prec Limit
				Limit	Spike	MS	MSD				Rec	Limit	
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/26/22 15:30

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond Field Blank-3

Laboratory ID Number: BC08179

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08178	Solids, Dissolved	mg/L	1.00	25.0			420	52.0	40.0 to 60.0			3.05	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-34V

Location Code: WMWGASAP
Collected: 4/27/22 08:55
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08180

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:44		1.015	3.00	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 10:54		10.15	157	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 09:44		1.015	0.338	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:44		1.015	0.0360	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:54		10.15	80.7	mg/L	0.21315	4.06	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:44		1	9.12	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:44		1.015	4.26	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 09:44		1.015	33.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:45		1.015	2.93	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:35		10.15	125	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:45		1.015	0.317	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:45		1.015	0.0396	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 12:35		10.15	63.9	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:45		1	9.27	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:45		1.015	4.33	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 09:45		1.015	34.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:20		1.015	0.0127	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 15:20		1.015	0.00339	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:20		1.015	0.0349	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:20		1.015	0.0628	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:20		1.015	0.286	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:20		1.015	0.579	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-34V

Location Code: WMWGASAP
Collected: 4/27/22 08:55
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08180

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.0116	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.00284	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.0376	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.0619	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.285	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.575	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	0.000733	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:27		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:56	4/28/22 13:56		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	93.3	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	788	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	92.2	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	1.04	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 16:43	5/3/22 16:43		1	1.80	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-34V

Location Code: WMWGASAP
Collected: 4/27/22 08:55
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08180

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:22	4/29/22 09:22		1	19.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:21	4/29/22 11:21		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:29	5/3/22 10:29		20	484	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/27/22 08:52	4/27/22 08:52			995.55	uS/cm			FA
pH	4/27/22 08:52	4/27/22 08:52			7.86	SU			FA
Temperature	4/27/22 08:52	4/27/22 08:52			18.52	C			FA
Turbidity	4/27/22 08:52	4/27/22 08:52			1.96	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 08:55
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC08180

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 08:55
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC08180

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 08:55

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC08180

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 08:55

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC08180

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-35V

Location Code: WMWGASAP
Collected: 4/27/22 10:24
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08181

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:47		1.015	0.220	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 10:57		10.15	54.7	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 09:47		1.015	0.0729	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:47		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/2/22 11:25	5/3/22 09:47		1.015	25.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:47		1	14.4	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:47		1.015	6.74	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 09:47		1.015	23.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:48		1.015	0.223	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:39		10.15	42.8	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:48		1.015	0.0323	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:48		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:48		1.015	25.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:48		1	14.6	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:48		1.015	6.83	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 09:48		1.015	24.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:24		1.015	0.00984	mg/L	0.006090	0.01015	J
* Arsenic, Total	4/29/22 09:09	4/29/22 15:24		1.015	0.00212	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:24		1.015	0.0170	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:24		1.015	0.104	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:24		1.015	0.0128	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:24		1.015	0.846	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-35V

Location Code: WMWGASAP
Collected: 4/27/22 10:24
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08181

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	0.00208	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	0.0164	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	0.104	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	0.0109	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	0.875	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:29		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:58	4/28/22 13:58		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	211	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	255	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	207	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	3.47	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 17:02	5/3/22 17:02		1	1.29	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-35V

Location Code: WMWGASAP
Collected: 4/27/22 10:24
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08181

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:23	4/29/22 09:23		1	8.01	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:22	4/29/22 11:22		1	0.0993	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:31	5/3/22 10:31		2	37.3	mg/L	1.2	4	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/27/22 10:21	4/27/22 10:21			439.66	uS/cm			FA
pH	4/27/22 10:21	4/27/22 10:21			8.00	SU			FA
Temperature	4/27/22 10:21	4/27/22 10:21			20.13	C			FA
Turbidity	4/27/22 10:21	4/27/22 10:21			0.76	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 10:24
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC08181

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 10:24
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC08181

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 10:24

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC08181

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0		
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0		

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 10:24

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC08181

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-31VR

Location Code: WMWGASAP
Collected: 4/27/22 13:49
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08182

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:50		1.015	0.124	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 09:50		1.015	39.7	mg/L	0.070035	0.406	
* Iron, Total	5/2/22 11:25	5/3/22 09:50		1.015	0.0443	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:50		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/2/22 11:25	5/3/22 09:50		1.015	23.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:50		1	10.6	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:50		1.015	4.93	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:59		10.15	51.9	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:51		1.015	0.125	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:42		10.15	41.0	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:51		1.015	0.0300	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:51		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:51		1.015	23.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:51		1	10.6	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:51		1.015	4.97	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 12:42		10.15	40.1	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:27		1.015	0.00994	mg/L	0.006090	0.01015	J
* Arsenic, Total	4/29/22 09:09	4/29/22 15:27		1.015	0.00989	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:27		1.015	0.0289	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:27		1.015	0.0371	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:27		1.015	0.0199	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:27		1.015	1.36	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-31VR

Location Code: WMWGASAP

Collected: 4/27/22 13:49

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08182

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	0.00776	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	0.00919	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	0.0287	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	0.0375	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	0.0169	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	1.33	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:32		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:58	4/28/22 13:58		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	243	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	272	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	240	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	2.84	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 17:18	5/3/22 17:18		1	4.29	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-31VR

Location Code: WMWGASAP
Collected: 4/27/22 13:49
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08182

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:33	4/29/22 09:33		2	22.8	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:23	4/29/22 11:23		1	0.390	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:20	5/3/22 10:20		1	24.1	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	4/27/22 13:46	4/27/22 13:46			496.83	uS/cm			FA
pH	4/27/22 13:46	4/27/22 13:46			7.71	SU			FA
Temperature	4/27/22 13:46	4/27/22 13:46			21.94	C			FA
Turbidity	4/27/22 13:46	4/27/22 13:46			0.75	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:49
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC08182

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:49
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC08182

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 13:49

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC08182

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 13:49

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC08182

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18

Location Code: WMWGASAP
Collected: 4/26/22 11:30
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08183

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:53		1.015	1.65	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:02		10.15	149	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 09:53		1.015	0.318	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:53		1.015	0.0464	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 11:02		10.15	57.7	mg/L	0.21315	4.06	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:53		1	9.22	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:53		1.015	4.31	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 09:53		1.015	10.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:55		1.015	1.66	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:45		10.15	131	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:55		1.015	0.264	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:55		1.015	0.0509	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 12:45		10.15	52.2	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:55		1	9.33	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:55		1.015	4.36	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 09:55		1.015	11.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:31		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.00281	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.0515	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:31		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.000242	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.00160	mg/L	0.000068	0.000203	
* Lead, Total	4/29/22 09:09	4/29/22 15:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.651	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.0598	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:31		1.015	3.02	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18

Location Code: WMWGASAP
Collected: 4/26/22 11:30
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08183

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:31		1.015	0.000439	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	0.00258	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	0.0492	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	0.00163	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	0.696	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	0.0656	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	3.04	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:44		1.015	0.000448	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:34		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 13:59	4/28/22 13:59		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/9/22 12:05	5/9/22 13:20		1	330	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	596	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	327	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	2.56	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 17:40	5/3/22 17:40		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18

Location Code: WMWGASAP
Collected: 4/26/22 11:30
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08183

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:25	4/29/22 09:25		1	13.5	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:25	4/29/22 11:25		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:32	5/3/22 10:32		10	216	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/26/22 11:27	4/26/22 11:27			893.68	uS/cm			FA
pH	4/26/22 11:27	4/26/22 11:27			6.77	SU			FA
Temperature	4/26/22 11:27	4/26/22 11:27			19.31	C			FA
Turbidity	4/26/22 11:27	4/26/22 11:27			1.09	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 11:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC08183

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
				Limit					Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0	
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0	
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0	
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0	
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0	
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0	
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0	
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0	
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0	
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0	
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0	
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0	
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0	
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0	
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0	
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0	
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0	
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0	
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0	
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0	
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0	
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0	
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0	

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 11:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC08183

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 11:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC08183

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115		103	70.0 to 130		0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64			107	80.0 to 120		1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 11:30

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC08183

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17V

Location Code: WMWGASAP
Collected: 4/26/22 13:22
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08184

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 09:56		1.015	2.13	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:05		10.15	104	mg/L	0.70035	4.06	RA
* Iron, Total	5/2/22 11:25	5/3/22 09:56		1.015	0.0690	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 09:56		1.015	0.505	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 09:56		1.015	29.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 09:56		1	3.27	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 09:56		1.015	1.53	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 09:56		1.015	39.1	mg/L	0.03045	0.406	RA
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 09:58		1.015	2.14	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:49		10.15	87.1	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 09:58		1.015	0.0277	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 09:58		1.015	0.527	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 09:58		1.015	28.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 09:58		1	3.36	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 09:58		1.015	1.57	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 09:58		1.015	39.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.0176	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.00112	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.0551	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:35		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.000314	mg/L	0.000068	0.000203	
* Chromium, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.000238	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.0000696	mg/L	0.000068	0.000203	J
* Lead, Total	4/29/22 09:09	4/29/22 15:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:35		1.015	0.00733	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	5/3/22 13:32		5.075	2.06	mg/L	0.000508	0.001015	RA
* Potassium, Total	4/29/22 09:09	4/29/22 15:35		1.015	30.0	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17V

Location Code: WMWGASAP
Collected: 4/26/22 13:22
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08184

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	0.0121	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	0.00116	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	0.0556	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	0.000240	mg/L	0.000068	0.000203	
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	0.0000692	mg/L	0.000068	0.000203	J
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	0.00677	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 14:40		5.075	2.18	mg/L	0.000508	0.001015	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	29.6	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:47		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:36		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:00	4/28/22 14:00		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/9/22 12:05	5/9/22 13:20		1	46.1	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	578	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	44.8	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	1.11	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 17:58	5/3/22 17:58		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17V

Location Code: WMWGASAP
Collected: 4/26/22 13:22
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08184

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:43	4/29/22 09:43		10	71.5	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 11:26	4/29/22 11:26		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:33	5/3/22 10:33		16	287	mg/L	9.6	32	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/26/22 13:18	4/26/22 13:18			807.96	uS/cm			FA
pH	4/26/22 13:18	4/26/22 13:18			8.39	SU			FA
Temperature	4/26/22 13:18	4/26/22 13:18			20.52	C			FA
Turbidity	4/26/22 13:18	4/26/22 13:18			2.73	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 13:22
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC08184

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08184	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.120	0.120	0.105	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08184	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0999	0.100	0.0930	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08184	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.102	0.101	0.0850 to 0.115	98.1	70.0 to 130	2.78	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08184	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.151	0.154	0.0989	0.0850 to 0.115	95.9	70.0 to 130	1.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08184	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0915	0.0927	0.0917	0.0850 to 0.115	91.5	70.0 to 130	1.30	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08184	Boron, Total	mg/L	-0.00015	0.0650	1.00	3.12	3.15	0.998	0.850 to 1.15	99.0	70.0 to 130	0.957	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08184	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.0956	0.0963	0.0980	0.0850 to 0.115	95.3	70.0 to 130	0.730	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08184	Calcium, Total	mg/L	0.00130	0.152	5.00	108	93.8	4.93	4.25 to 5.75	80.0	70.0 to 130	14.1	20.0
BC08184	Chloride	mg/L	0.0454	1.00	100	170	174	10.0	9.00 to 11.0	98.5	80.0 to 120	2.33	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08184	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0950	0.0940	0.0975	0.0850 to 0.115	94.8	70.0 to 130	1.06	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08184	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0963	0.0955	0.0997	0.0850 to 0.115	96.2	70.0 to 130	0.834	20.0
BC08184	Fluoride	mg/L	-0.0322	0.125	2.50	2.61	2.59	2.59	2.25 to 2.75	104	80.0 to 120	0.769	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 13:22
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC08184

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08184	Iron, Total	mg/L	0.000664	0.0176	0.2	0.264	0.270	0.198	0.170 to 0.230	97.5	70.0 to 130	2.25	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08184	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.0991	0.0997	0.101	0.0850 to 0.115	99.1	70.0 to 130	0.604	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08184	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.695	0.710	0.200	0.170 to 0.230	95.0	70.0 to 130	2.14	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08184	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	34.3	34.4	5.21	4.25 to 5.75	100	70.0 to 130	0.291	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08184	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.106	0.104	0.101	0.0850 to 0.115	98.7	70.0 to 130	1.90	20.0
BC08184	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00341	0.00347	0.00360	0.00340 to 0.00460	85.2	70.0 to 130	1.74	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08184	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	2.23	2.21	0.0982	0.0850 to 0.115	170	70.0 to 130	0.901	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08184	Potassium, Total	mg/L	0.00588	0.367	10.0	38.8	38.9	9.92	8.50 to 11.5	88.0	70.0 to 130	0.257	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08184	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.0984	0.100	0.104	0.0850 to 0.115	98.4	70.0 to 130	1.61	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08184	Silicon, Total	mg/L	-0.000309	0.0440	1.00	2.55	2.55	0.995	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08184	Sodium, Total	mg/L	0.00228	0.0660	5.00	48.7	41.2	5.17	4.25 to 5.75	192	70.0 to 130	16.7	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 13:22
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC08184

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08184	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.103	0.103	0.105	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC08184	Total Organic Carbon	mg/L	0.210	1.00	10.0	10.7	10.9	9.64		107	80.0 to 120	1.85	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 13:22

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC08184

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-29H

Location Code: WMWGASAP
Collected: 4/26/22 15:30
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08185

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 10:10		1.015	1.22	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:20		10.15	50.9	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 10:10		1.015	0.0555	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 10:10		1.015	0.309	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:10		1.015	19.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:10		1	4.56	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 10:10		1.015	2.13	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:10		1.015	28.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 10:01		1.015	1.21	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 12:52		10.15	48.1	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 10:01		1.015	0.0334	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 10:01		1.015	0.316	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 10:01		1.015	19.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 10:01		1	4.69	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 10:01		1.015	2.19	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 10:01		1.015	28.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 15:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 15:56		1.015	0.00925	mg/L	0.006090	0.01015	J
* Arsenic, Total	4/29/22 09:09	4/29/22 15:56		1.015	0.00210	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 15:56		1.015	0.0604	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 15:56		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 15:56		1.015	0.000132	mg/L	0.000068	0.000203	J
* Chromium, Total	4/29/22 09:09	4/29/22 15:56		1.015	0.000242	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 15:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 15:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 15:56		1.015	0.00288	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 15:56		1.015	1.06	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 15:56		1.015	15.3	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-29H

Location Code: WMWGASAP

Collected: 4/26/22 15:30

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08185

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 15:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 15:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	0.00803	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	0.00191	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	0.0611	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	0.0000727	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	0.0000743	mg/L	0.000068	0.000203	J
* Lead, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	0.00288	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	1.06	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	15.4	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 13:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:53		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:01	4/28/22 14:01		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/9/22 12:05	5/9/22 13:20		1	52.4	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	359	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	51.7	mg/L			
Carbonate Alkalinity, (calc.)	5/9/22 12:05	5/9/22 13:20		1	0.641	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 19:24	5/3/22 19:24		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-29H

Location Code: WMWGASAP
Collected: 4/26/22 15:30
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08185

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 10:06	4/29/22 10:06		2	29.6	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:24	4/29/22 12:24		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:34	5/3/22 10:34		10	180	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/26/22 15:28	4/26/22 15:28			567.43	uS/cm			FA
pH	4/26/22 15:28	4/26/22 15:28			8.29	SU			FA
Temperature	4/26/22 15:28	4/26/22 15:28			21.45	C			FA
Turbidity	4/26/22 15:28	4/26/22 15:28			1.36	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 15:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC08185

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Standard	Limit	Rec	Limit	
BC08185	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.109	0.112	0.110	0.0850 to 0.115	101	70.0 to 130	2.71	20.0
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08185	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0904	0.0913	0.0896	0.0850 to 0.115	90.4	70.0 to 130	0.991	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08185	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.101	0.105	0.100	0.0850 to 0.115	99.1	70.0 to 130	3.88	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08185	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.157	0.161	0.0960	0.0850 to 0.115	95.9	70.0 to 130	2.52	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08185	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0916	0.0913	0.0915	0.0850 to 0.115	91.6	70.0 to 130	0.328	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08185	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	2.23	2.22	1.00	0.850 to 1.15	102	70.0 to 130	0.449	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08185	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0966	0.0987	0.101	0.0850 to 0.115	96.5	70.0 to 130	2.15	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08185	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	53.5	53.5	5.21	4.25 to 5.75	108	70.0 to 130	0.00	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08185	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0946	0.0967	0.0988	0.0850 to 0.115	94.6	70.0 to 130	2.20	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08185	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0974	0.0989	0.101	0.0850 to 0.115	97.3	70.0 to 130	1.53	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08185	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	0.234	0.232	0.202	0.170 to 0.230	100	70.0 to 130	0.858	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 15:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC08185

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0
BC08185	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.0996	0.101	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.40	20.0
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0
BC08185	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.528	0.527	0.197	0.170 to 0.230	106	70.0 to 130	0.190	20.0
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0
BC08185	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	24.7	24.9	5.26	4.25 to 5.75	104	70.0 to 130	0.806	20.0
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0
BC08185	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.102	0.103	0.103	0.0850 to 0.115	99.1	70.0 to 130	0.976	20.0
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0
BC08185	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	1.15	1.16	0.100	0.0850 to 0.115	90.0	70.0 to 130	0.866	20.0
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0
BC08185	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	24.8	25.4	10.0	8.50 to 11.5	94.0	70.0 to 130	2.39	20.0
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0
BC08185	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.102	0.103	0.105	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08185	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	3.18	3.17	1.05	0.850 to 1.15	99.0	70.0 to 130	0.315	20.0
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0
BC08185	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	33.6	33.7	5.16	4.25 to 5.75	106	70.0 to 130	0.297	20.0
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC08185	Sulfate	mg/L	0.148	2.0	200	391	378	19.2	18.0 to 22.0	106	80.0 to 120	3.38	20.0
BC08185	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.103	0.103	0.103	0.0850 to 0.115	103	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/26/22 15:30
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC08185

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115		106	70.0 to 130		3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84			99.7	80.0 to 120		2.28	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/26/22 15:30

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC08185

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08185	Alkalinity, Total as CaCO3	mg/L					56.7	50.6	45.0 to 55.0			7.88	10.0
BC08185	Nitrogen, Nitrate/Nitrite	mg/L as N	0.04	0.200	2.00	2.05	0.041	2.11	1.80 to 2.20	102	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16V

Location Code: WMWGASAP
Collected: 4/27/22 10:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08186

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 10:13		1.015	1.41	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:23		10.15	49.3	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 10:13		1.015	0.0118	mg/L	0.008120	0.0406	J
* Lithium, Total	5/2/22 11:25	5/3/22 10:13		1.015	0.339	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:13		1.015	14.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:13		1	3.81	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 10:13		1.015	1.78	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:13		1.015	25.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 10:18		1.015	1.38	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 13:09		10.15	48.3	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 10:18		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	5/2/22 10:00	5/3/22 10:18		1.015	0.339	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 10:18		1.015	14.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 10:18		1	3.89	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 10:18		1.015	1.82	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 10:18		1.015	26.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 16:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.0120	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.00114	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.0557	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 16:00		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.000123	mg/L	0.000068	0.000203	J
* Chromium, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.000246	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.000985	mg/L	0.000068	0.000203	
* Lead, Total	4/29/22 09:09	4/29/22 16:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.0134	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.694	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 16:00		1.015	17.6	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16V

Location Code: WMWGASAP
Collected: 4/27/22 10:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08186

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 16:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 16:00		1.015	0.000601	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.00118	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.0583	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.0000983	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.000976	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.0133	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.696	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	18.1	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 14:15		1.015	0.000568	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:55		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:29	4/28/22 14:29		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	37.5	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	318	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	36.4	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	0.964	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 19:39	5/3/22 19:39		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16V

Location Code: WMWGASAP
Collected: 4/27/22 10:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08186

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 10:07	4/29/22 10:07		2	30.8	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:26	4/29/22 12:26		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:56	5/3/22 10:56		10	173	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/27/22 10:23	4/27/22 10:23			527.52	uS/cm			FA
pH	4/27/22 10:23	4/27/22 10:23			8.45	SU			FA
Temperature	4/27/22 10:23	4/27/22 10:23			18.80	C			FA
Turbidity	4/27/22 10:23	4/27/22 10:23			0.92	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 10:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC08186

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08190	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.105	0.106	0.110	0.0850 to 0.115	105	70.0 to 130	0.948	20.0
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08190	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0870	0.0880	0.0896	0.0850 to 0.115	87.0	70.0 to 130	1.14	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08190	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.103	0.105	0.100	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08190	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.183	0.182	0.0960	0.0850 to 0.115	98.3	70.0 to 130	0.548	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08190	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0895	0.0902	0.0915	0.0850 to 0.115	89.5	70.0 to 130	0.779	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08190	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	1.02	1.02	1.00	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08190	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0985	0.0982	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.305	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08190	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	108	107	5.21	4.25 to 5.75	60.0	70.0 to 130	0.930	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08190	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0957	0.0949	0.0988	0.0850 to 0.115	95.7	70.0 to 130	0.839	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08190	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0948	0.0955	0.101	0.0850 to 0.115	94.8	70.0 to 130	0.736	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08190	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	1.14	1.14	0.202	0.170 to 0.230	98.5	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 10:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC08186

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0
BC08190	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0
BC08190	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.217	0.217	0.197	0.170 to 0.230	105	70.0 to 130	0.00	20.0
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0
BC08190	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	43.3	43.0	5.26	4.25 to 5.75	106	70.0 to 130	0.695	20.0
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0
BC08190	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.175	0.174	0.103	0.0850 to 0.115	96.7	70.0 to 130	0.573	20.0
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0
BC08190	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	0.0979	0.0983	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.408	20.0
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0
BC08190	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	10.3	10.2	10.0	8.50 to 11.5	96.6	70.0 to 130	0.976	20.0
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0
BC08190	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.104	0.105	0.105	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08190	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	6.63	6.64	1.05	0.850 to 1.15	106	70.0 to 130	0.151	20.0
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0
BC08190	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	15.5	15.4	5.16	4.25 to 5.75	116	70.0 to 130	0.647	20.0
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC08191	Sulfate	mg/L	0.133	2.0	20.0	19.6	19.6	19.3	18.0 to 22.0	98.0	80.0 to 120	0.00	20.0
BC08190	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 10:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC08186

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115	106	70.0 to 130	3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84		99.7	80.0 to 120	2.28	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 10:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC08186

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08191	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.12	0.200	2.00	1.89	-0.106	1.84	1.80 to 2.20	94.5	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16

Location Code: WMWGASAP
Collected: 4/27/22 12:05
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08187

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 10:16		1.015	1.47	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:26		10.15	74.9	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 10:16		1.015	0.0877	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 10:16		1.015	0.127	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:16		1.015	9.58	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:16		1	5.03	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 10:16		1.015	2.35	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:16		1.015	23.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 10:22		1.015	1.44	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 13:12		10.15	71.6	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 10:22		1.015	0.0493	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/2/22 10:00	5/3/22 10:22		1.015	0.129	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 10:22		1.015	9.66	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 10:22		1	5.05	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 10:22		1.015	2.36	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 10:22		1.015	24.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 16:04		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.0262	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.00552	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.0514	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 16:04		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.0000773	mg/L	0.000068	0.000203	J
* Chromium, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.000210	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.000704	mg/L	0.000068	0.000203	
* Lead, Total	4/29/22 09:09	4/29/22 16:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.444	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 16:04		1.015	0.519	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 16:04		1.015	14.5	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16

Location Code: WMWGASAP

Collected: 4/27/22 12:05

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08187

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 16:04		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 16:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.00902	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.00564	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.0510	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.0000985	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.000650	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.419	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	0.520	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	14.7	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 14:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 15:58		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:31	4/28/22 14:31		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	33.2	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	369	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	32.8	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 19:54	5/3/22 19:54		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16

Location Code: WMWGASAP

Collected: 4/27/22 12:05

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08187

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 10:09	4/29/22 10:09		2	35.8	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:27	4/29/22 12:27		1	0.0766	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:57	5/3/22 10:57		10	191	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/27/22 12:00	4/27/22 12:00			571.95	uS/cm			FA
pH	4/27/22 12:00	4/27/22 12:00			8.17	SU			FA
Temperature	4/27/22 12:00	4/27/22 12:00			20.63	C			FA
Turbidity	4/27/22 12:00	4/27/22 12:00			2.21	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 12:05
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC08187

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08190	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.105	0.106	0.110	0.0850 to 0.115	105	70.0 to 130	0.948	20.0
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08190	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0870	0.0880	0.0896	0.0850 to 0.115	87.0	70.0 to 130	1.14	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08190	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.103	0.105	0.100	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08190	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.183	0.182	0.0960	0.0850 to 0.115	98.3	70.0 to 130	0.548	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08190	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0895	0.0902	0.0915	0.0850 to 0.115	89.5	70.0 to 130	0.779	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08190	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	1.02	1.02	1.00	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08190	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0985	0.0982	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.305	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08190	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	108	107	5.21	4.25 to 5.75	60.0	70.0 to 130	0.930	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08190	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0957	0.0949	0.0988	0.0850 to 0.115	95.7	70.0 to 130	0.839	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08190	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0948	0.0955	0.101	0.0850 to 0.115	94.8	70.0 to 130	0.736	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08190	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	1.14	1.14	0.202	0.170 to 0.230	98.5	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 12:05
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC08187

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0
BC08190	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0
BC08190	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.217	0.217	0.197	0.170 to 0.230	105	70.0 to 130	0.00	20.0
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0
BC08190	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	43.3	43.0	5.26	4.25 to 5.75	106	70.0 to 130	0.695	20.0
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0
BC08190	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.175	0.174	0.103	0.0850 to 0.115	96.7	70.0 to 130	0.573	20.0
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0
BC08190	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	0.0979	0.0983	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.408	20.0
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0
BC08190	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	10.3	10.2	10.0	8.50 to 11.5	96.6	70.0 to 130	0.976	20.0
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0
BC08190	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.104	0.105	0.105	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08190	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	6.63	6.64	1.05	0.850 to 1.15	106	70.0 to 130	0.151	20.0
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0
BC08190	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	15.5	15.4	5.16	4.25 to 5.75	116	70.0 to 130	0.647	20.0
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC08191	Sulfate	mg/L	0.133	2.0	20.0	19.6	19.6	19.3	18.0 to 22.0	98.0	80.0 to 120	0.00	20.0
BC08190	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 12:05
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC08187

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115		106	70.0 to 130		3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84			99.7	80.0 to 120		2.28	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 12:05

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC08187

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08191	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.12	0.200	2.00	1.89	-0.106	1.84	1.80 to 2.20	94.5	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H

Location Code: WMWGASAP
Collected: 4/27/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08188

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 10:19		1.015	0.798	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:28		10.15	44.4	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 10:19		1.015	0.0664	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 10:19		1.015	0.145	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:19		1.015	18.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:19		1	4.99	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 10:19		1.015	2.33	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:19		1.015	21.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 10:25		1.015	0.789	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 13:16		10.15	42.3	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 10:25		1.015	0.0310	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 10:25		1.015	0.140	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 10:25		1.015	18.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 10:25		1	4.88	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 10:25		1.015	2.28	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 10:25		1.015	21.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 16:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.117	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.00278	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.0318	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 16:07		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 16:07		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.000362	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.000349	mg/L	0.000068	0.000203	
* Lead, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.0000961	mg/L	0.000068	0.000203	J
* Manganese, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.0131	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.487	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 16:07		1.015	10.7	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H

Location Code: WMWGASAP

Collected: 4/27/22 13:25

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08188

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 16:07		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 16:07		1.015	0.000205	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.00726	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.00258	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.0317	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.0000991	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.000228	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.0125	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.479	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	10.6	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 14:22		1.015	0.000159	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 16:00		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:32	4/28/22 14:32		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	60.1	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	282	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	58.9	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	1.08	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 20:09	5/3/22 20:09		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H

Location Code: WMWGASAP
Collected: 4/27/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08188

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 09:59	4/29/22 09:59		1	19.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:28	4/29/22 12:28		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:58	5/3/22 10:58		8	139	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/27/22 13:23	4/27/22 13:23			452.94	uS/cm			FA
pH	4/27/22 13:23	4/27/22 13:23			7.83	SU			FA
Temperature	4/27/22 13:23	4/27/22 13:23			21.20	C			FA
Turbidity	4/27/22 13:23	4/27/22 13:23			1.77	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC08188

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08190	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.105	0.106	0.110	0.0850 to 0.115	105	70.0 to 130	0.948	20.0
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08190	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0870	0.0880	0.0896	0.0850 to 0.115	87.0	70.0 to 130	1.14	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08190	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.103	0.105	0.100	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08190	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.183	0.182	0.0960	0.0850 to 0.115	98.3	70.0 to 130	0.548	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08190	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0895	0.0902	0.0915	0.0850 to 0.115	89.5	70.0 to 130	0.779	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08190	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	1.02	1.02	1.00	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08190	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0985	0.0982	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.305	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08190	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	108	107	5.21	4.25 to 5.75	60.0	70.0 to 130	0.930	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08190	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0957	0.0949	0.0988	0.0850 to 0.115	95.7	70.0 to 130	0.839	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08190	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0948	0.0955	0.101	0.0850 to 0.115	94.8	70.0 to 130	0.736	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08190	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	1.14	1.14	0.202	0.170 to 0.230	98.5	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC08188

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0
BC08190	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0
BC08190	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.217	0.217	0.197	0.170 to 0.230	105	70.0 to 130	0.00	20.0
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0
BC08190	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	43.3	43.0	5.26	4.25 to 5.75	106	70.0 to 130	0.695	20.0
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0
BC08190	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.175	0.174	0.103	0.0850 to 0.115	96.7	70.0 to 130	0.573	20.0
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0
BC08190	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	0.0979	0.0983	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.408	20.0
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0
BC08190	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	10.3	10.2	10.0	8.50 to 11.5	96.6	70.0 to 130	0.976	20.0
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0
BC08190	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.104	0.105	0.105	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08190	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	6.63	6.64	1.05	0.850 to 1.15	106	70.0 to 130	0.151	20.0
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0
BC08190	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	15.5	15.4	5.16	4.25 to 5.75	116	70.0 to 130	0.647	20.0
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC08191	Sulfate	mg/L	0.133	2.0	20.0	19.6	19.6	19.3	18.0 to 22.0	98.0	80.0 to 120	0.00	20.0
BC08190	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 13:25

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC08188

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115	106	70.0 to 130	3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84		99.7	80.0 to 120	2.28	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC08188

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08191	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.12	0.200	2.00	1.89	-0.106	1.84	1.80 to 2.20	94.5	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H Dup

Location Code: WMWGASAP
Collected: 4/27/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08189

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 10:22		1.015	0.796	mg/L	0.030000	0.1015	
* Calcium, Total	5/2/22 11:25	5/3/22 11:31		10.15	44.8	mg/L	0.70035	4.06	
* Iron, Total	5/2/22 11:25	5/3/22 10:22		1.015	0.0608	mg/L	0.008120	0.0406	
* Lithium, Total	5/2/22 11:25	5/3/22 10:22		1.015	0.143	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:22		1.015	18.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:22		1	4.92	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 10:22		1.015	2.30	mg/L	0.02030	0.25375	
* Sodium, Total	5/2/22 11:25	5/3/22 10:22		1.015	20.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/2/22 10:00	5/3/22 10:29		1.015	0.788	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 13:19		10.15	42.5	mg/L	0.70035	4.06	
* Iron, Dissolved	5/2/22 10:00	5/3/22 10:29		1.015	0.0315	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	5/2/22 10:00	5/3/22 10:29		1.015	0.142	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 10:29		1.015	18.1	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 10:29		1	4.88	mg/L			
Silicon, Dissolved	5/2/22 10:00	5/3/22 10:29		1.015	2.28	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/2/22 10:00	5/3/22 10:29		1.015	21.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 16:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.104	mg/L	0.006090	0.01015	
* Arsenic, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.00268	mg/L	0.000081	0.000203	
* Barium, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.0328	mg/L	0.000508	0.001015	
* Beryllium, Total	4/29/22 09:09	4/29/22 16:11		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.0000874	mg/L	0.000068	0.000203	J
* Chromium, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.000498	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.000344	mg/L	0.000068	0.000203	
* Lead, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.0000929	mg/L	0.000068	0.000203	J
* Manganese, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.0129	mg/L	0.000152	0.000203	
* Molybdenum, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.489	mg/L	0.000102	0.000203	
* Potassium, Total	4/29/22 09:09	4/29/22 16:11		1.015	10.8	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H Dup

Location Code: WMWGASAP
Collected: 4/27/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08189

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 16:11		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 16:11		1.015	0.000192	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.00737	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.00248	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.0328	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.0000883	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.000244	mg/L	0.000068	0.000203	
* Lead, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.0122	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.482	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	10.8	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 14:26		1.015	0.000147	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 16:02		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:33	4/28/22 14:33		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	64.4	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	4/29/22 10:50	5/2/22 13:40		1	289	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	63.3	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	1.06	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 20:28	5/3/22 20:28		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H Dup

Location Code: WMWGASAP
Collected: 4/27/22 13:25
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08189

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 10:00	4/29/22 10:00		1	19.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:29	4/29/22 12:29		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:59	5/3/22 10:59		8	135	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/27/22 13:23	4/27/22 13:23			452.94	uS/cm			FA
pH	4/27/22 13:23	4/27/22 13:23			7.83	SU			FA
Temperature	4/27/22 13:23	4/27/22 13:23			21.20	C			FA
Turbidity	4/27/22 13:23	4/27/22 13:23			1.77	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H Dup

Laboratory ID Number: BC08189

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08190	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.105	0.106	0.110	0.0850 to 0.115	105	70.0 to 130	0.948	20.0
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08190	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0870	0.0880	0.0896	0.0850 to 0.115	87.0	70.0 to 130	1.14	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08190	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.103	0.105	0.100	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08190	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.183	0.182	0.0960	0.0850 to 0.115	98.3	70.0 to 130	0.548	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08190	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0895	0.0902	0.0915	0.0850 to 0.115	89.5	70.0 to 130	0.779	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08190	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	1.02	1.02	1.00	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08190	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0985	0.0982	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.305	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08190	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	108	107	5.21	4.25 to 5.75	60.0	70.0 to 130	0.930	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08190	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0957	0.0949	0.0988	0.0850 to 0.115	95.7	70.0 to 130	0.839	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08190	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0948	0.0955	0.101	0.0850 to 0.115	94.8	70.0 to 130	0.736	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08190	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	1.14	1.14	0.202	0.170 to 0.230	98.5	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 13:25
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H Dup

Laboratory ID Number: BC08189

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0
BC08190	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0
BC08190	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.217	0.217	0.197	0.170 to 0.230	105	70.0 to 130	0.00	20.0
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0
BC08190	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	43.3	43.0	5.26	4.25 to 5.75	106	70.0 to 130	0.695	20.0
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0
BC08190	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.175	0.174	0.103	0.0850 to 0.115	96.7	70.0 to 130	0.573	20.0
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0
BC08190	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	0.0979	0.0983	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.408	20.0
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0
BC08190	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	10.3	10.2	10.0	8.50 to 11.5	96.6	70.0 to 130	0.976	20.0
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0
BC08190	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.104	0.105	0.105	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08190	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	6.63	6.64	1.05	0.850 to 1.15	106	70.0 to 130	0.151	20.0
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0
BC08190	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	15.5	15.4	5.16	4.25 to 5.75	116	70.0 to 130	0.647	20.0
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC08191	Sulfate	mg/L	0.133	2.0	20.0	19.6	19.6	19.3	18.0 to 22.0	98.0	80.0 to 120	0.00	20.0
BC08190	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 13:25

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H Dup

Laboratory ID Number: BC08189

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115	106	70.0 to 130	3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84		99.7	80.0 to 120	2.28	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 4/27/22 13:25

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-28H Dup

Laboratory ID Number: BC08189

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08191	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.12	0.200	2.00	1.89	-0.106	1.84	1.80 to 2.20	94.5	90.0 to 110	0.00	15.0
BC08189	Solids, Dissolved	mg/L	1.00	25.0			282	52.0	40.0 to 60.0			2.45	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-14

Location Code: WMWGASAP
Collected: 4/27/22 15:15
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08190

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/2/22 11:25	5/3/22 10:25		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	5/2/22 11:25	5/3/22 11:34		10.15	85.3	mg/L	0.70035	4.06		
* Iron, Total	5/2/22 11:25	5/3/22 10:25		1.015	0.670	mg/L	0.008120	0.0406		
* Lithium, Total	5/2/22 11:25	5/3/22 10:25		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/2/22 11:25	5/3/22 10:25		1.015	29.6	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:25		1	10.8	mg/L				
Silicon, Total	5/2/22 11:25	5/3/22 10:25		1.015	5.06	mg/L	0.02030	0.25375		
* Sodium, Total	5/2/22 11:25	5/3/22 10:25		1.015	19.1	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/2/22 10:00	5/3/22 10:32		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Dissolved	5/2/22 10:00	5/3/22 13:23		10.15	105	mg/L	0.70035	4.06	RA	
* Iron, Dissolved	5/2/22 10:00	5/3/22 10:32		1.015	0.943	mg/L	0.008120	0.0406		
* Lithium, Dissolved	5/2/22 10:00	5/3/22 10:32		1.015	0.00742	mg/L	0.007105	0.01999956	J	
* Magnesium, Dissolved	5/2/22 10:00	5/3/22 10:32		1.015	38.0	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/2/22 10:00	5/3/22 10:32		1	11.9	mg/L				
Silicon, Dissolved	5/2/22 10:00	5/3/22 10:32		1.015	5.57	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/2/22 10:00	5/3/22 10:32		1.015	9.69	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: ABB			Preparation Method: EPA 1638					
* Antimony, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	4/29/22 09:09	4/29/22 16:15		1.015	0.000589	mg/L	0.000081	0.000203		
* Barium, Total	4/29/22 09:09	4/29/22 16:15		1.015	0.0763	mg/L	0.000508	0.001015		
* Beryllium, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	4/29/22 09:09	4/29/22 16:15		1.015	0.000250	mg/L	0.000203	0.001015	J	
* Cobalt, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	4/29/22 09:09	4/29/22 16:15		1.015	0.0714	mg/L	0.000152	0.000203		
* Molybdenum, Total	4/29/22 09:09	4/29/22 16:15		1.015	0.000515	mg/L	0.000102	0.000203		
* Potassium, Total	4/29/22 09:09	4/29/22 16:15		1.015	0.594	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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-14

Location Code: WMWGASAP

Collected: 4/27/22 15:15

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08190

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 16:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: ABB							
* Antimony, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	0.00047	mg/L	0.000081	0.000203	
* Barium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	0.0847	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	0.0000771	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	0.0783	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	0.000344	mg/L	0.000102	0.000203	
* Potassium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	0.639	mg/L	0.169505	0.5075	
* Selenium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	4/29/22 09:18	4/29/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 16:05		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	4/28/22 14:33	4/28/22 14:33		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/10/22 10:43	5/10/22 12:08		1	292	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/3/22 09:45	5/4/22 13:15		1	417	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	291	mg/L			
Carbonate Alkalinity, (calc.)	5/10/22 10:43	5/10/22 12:08		1	0.772	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 20:43	5/3/22 20:43		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.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-14

Location Code: WMWGASAP
Collected: 4/27/22 15:15
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08190

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 10:01	4/29/22 10:01		1	4.10	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:30	4/29/22 12:30		1	0.0652	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 11:01	5/3/22 11:01		8	118	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	4/27/22 15:10	4/27/22 15:10			480.02	uS/cm			FA
pH	4/27/22 15:10	4/27/22 15:10			7.07	SU			FA
Temperature	4/27/22 15:10	4/27/22 15:10			21.14	C			FA
Turbidity	4/27/22 15:10	4/27/22 15:10			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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 15:15
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC08190

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08190	Aluminum, Dissolved	mg/L	0.000703	0.010	0.100	0.105	0.106	0.110	0.0850 to 0.115	105	70.0 to 130	0.948	20.0
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08190	Antimony, Dissolved	mg/L	0.000346	0.00100	0.100	0.0870	0.0880	0.0896	0.0850 to 0.115	87.0	70.0 to 130	1.14	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08190	Arsenic, Dissolved	mg/L	0.0000458	0.000176	0.100	0.103	0.105	0.100	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08190	Barium, Dissolved	mg/L	-0.0000107	0.00100	0.100	0.183	0.182	0.0960	0.0850 to 0.115	98.3	70.0 to 130	0.548	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08190	Beryllium, Dissolved	mg/L	0.0000655	0.000880	0.100	0.0895	0.0902	0.0915	0.0850 to 0.115	89.5	70.0 to 130	0.779	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08190	Boron, Dissolved	mg/L	0.00286	0.0650	1.00	1.02	1.02	1.00	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08190	Cadmium, Dissolved	mg/L	0.000	0.000147	0.100	0.0985	0.0982	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.305	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08190	Calcium, Dissolved	mg/L	-0.000301	0.152	5.00	108	107	5.21	4.25 to 5.75	60.0	70.0 to 130	0.930	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08190	Chromium, Dissolved	mg/L	-0.0000096	0.000440	0.100	0.0957	0.0949	0.0988	0.0850 to 0.115	95.7	70.0 to 130	0.839	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08190	Cobalt, Dissolved	mg/L	-0.0000035	0.000147	0.100	0.0948	0.0955	0.101	0.0850 to 0.115	94.8	70.0 to 130	0.736	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08190	Iron, Dissolved	mg/L	-0.000274	0.0176	0.2	1.14	1.14	0.202	0.170 to 0.230	98.5	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.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 15:15
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC08190

Sample	Analysis	Units	MB	MB				MS	MSD	Standard		Rec		Prec
				Limit	Spike	Standard	Limit			Rec	Limit	Prec		
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0	
BC08190	Lead, Dissolved	mg/L	0.0000035	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0	
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0	
BC08190	Lithium, Dissolved	mg/L	6.900E-05	0.0154	0.200	0.217	0.217	0.197	0.170 to 0.230	105	70.0 to 130	0.00	20.0	
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0	
BC08190	Magnesium, Dissolved	mg/L	-0.000889	0.0462	5.00	43.3	43.0	5.26	4.25 to 5.75	106	70.0 to 130	0.695	20.0	
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0	
BC08190	Manganese, Dissolved	mg/L	-0.0000156	0.0002	0.100	0.175	0.174	0.103	0.0850 to 0.115	96.7	70.0 to 130	0.573	20.0	
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0	
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0	
BC08190	Molybdenum, Dissolved	mg/L	0.0000085	0.0002	0.100	0.0979	0.0983	0.100	0.0850 to 0.115	97.6	70.0 to 130	0.408	20.0	
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0	
BC08190	Potassium, Dissolved	mg/L	-0.0102	0.367	10.0	10.3	10.2	10.0	8.50 to 11.5	96.6	70.0 to 130	0.976	20.0	
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0	
BC08190	Selenium, Dissolved	mg/L	0.000100	0.00100	0.100	0.104	0.105	0.105	0.0850 to 0.115	104	70.0 to 130	0.957	20.0	
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0	
BC08190	Silicon, Dissolved	mg/L	-0.00162	0.0440	1.00	6.63	6.64	1.05	0.850 to 1.15	106	70.0 to 130	0.151	20.0	
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0	
BC08190	Sodium, Dissolved	mg/L	-0.00202	0.0660	5.00	15.5	15.4	5.16	4.25 to 5.75	116	70.0 to 130	0.647	20.0	
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0	
BC08191	Sulfate	mg/L	0.133	2.0	20.0	19.6	19.6	19.3	18.0 to 22.0	98.0	80.0 to 120	0.00	20.0	
BC08190	Thallium, Dissolved	mg/L	-0.0000027	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0	

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 15:15
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC08190

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec Limit	Prec	Prec Limit	
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115	106	70.0 to 130	3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84		99.7	80.0 to 120	2.28	20.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 4/27/22 15:15
Customer ID:
Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC08190

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08190	Alkalinity, Total as CaCO3	mg/L					306	50.8	45.0 to 55.0			4.68	10.0
BC08191	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.12	0.200	2.00	1.89	-0.106	1.84	1.80 to 2.20	94.5	90.0 to 110	0.00	15.0
BC08190	Solids, Dissolved	mg/L	0.0000	25.0			425	49.0	40.0 to 60.0			1.90	10.0

Comments: The client submitted filtered samples for dissolved analysis, but no MB or LCS were submitted. Therefore, dissolved data is qualified.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-4

Location Code: WMWGASAPFB
Collected: 4/27/22 16:00
Customer ID:
Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08191

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	5/2/22 11:25	5/3/22 10:28		1	Not Detected	mg/L			
Silicon, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	5/2/22 11:25	5/3/22 10:28		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: ABB		Preparation Method: EPA 1638				
* Antimony, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	4/29/22 09:09	4/29/22 16:18		1.015	0.000232	mg/L	0.000203	0.001015	J
* Cobalt, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	4/29/22 09:09	4/29/22 16:18		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	5/2/22 11:40	5/2/22 16:07		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	4/28/22 14:34	4/28/22 14:34		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	5/3/22 09:45	5/4/22 13:15		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-4

Location Code: WMWASAPFB

Collected: 4/27/22 16:00

Customer ID:

Submittal Date: 4/28/22 09:33

Laboratory ID Number: BC08191

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/3/22 21:03	5/3/22 21:03		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	4/29/22 10:03	4/29/22 10:03		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	4/29/22 12:32	4/29/22 12:32		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/3/22 10:52	5/3/22 10:52		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/27/22 16:00

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond Field Blank-4

Laboratory ID Number: BC08191

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08191	Aluminum, Total	mg/L	0.00102	0.010	0.100	0.105	0.104	0.105	0.0850 to 0.115	105	70.0 to 130	0.957	20.0
BC08191	Antimony, Total	mg/L	0.000419	0.00100	0.100	0.0909	0.0898	0.0930	0.0850 to 0.115	90.9	70.0 to 130	1.22	20.0
BC08191	Arsenic, Total	mg/L	0.000019	0.000176	0.100	0.0992	0.0982	0.101	0.0850 to 0.115	99.2	70.0 to 130	1.01	20.0
BC08191	Barium, Total	mg/L	-0.0000108	0.00100	0.100	0.0991	0.0962	0.0989	0.0850 to 0.115	99.1	70.0 to 130	2.97	20.0
BC08191	Beryllium, Total	mg/L	0.0000747	0.000880	0.100	0.0923	0.0892	0.0917	0.0850 to 0.115	92.3	70.0 to 130	3.42	20.0
BC08191	Boron, Total	mg/L	-0.00015	0.0650	1.00	0.993	0.987	0.998	0.850 to 1.15	99.3	70.0 to 130	0.606	20.0
BC08191	Cadmium, Total	mg/L	0.000	0.000147	0.100	0.100	0.0994	0.0980	0.0850 to 0.115	100	70.0 to 130	0.602	20.0
BC08191	Calcium, Total	mg/L	0.00130	0.152	5.00	5.07	4.91	4.93	4.25 to 5.75	101	70.0 to 130	3.21	20.0
BC08191	Chloride	mg/L	0.00507	1.00	10.0	10.3	10.1	10.0	9.00 to 11.0	103	80.0 to 120	1.96	20.0
BC08191	Chromium, Total	mg/L	-0.0000042	0.000440	0.100	0.0971	0.0953	0.0975	0.0850 to 0.115	96.9	70.0 to 130	1.87	20.0
BC08191	Cobalt, Total	mg/L	0.0000002	0.000147	0.100	0.0996	0.0976	0.0997	0.0850 to 0.115	99.6	70.0 to 130	2.03	20.0
BC08191	Fluoride	mg/L	-0.0312	0.125	2.50	2.55	2.58	2.60	2.25 to 2.75	102	80.0 to 120	1.17	20.0
BC08191	Iron, Total	mg/L	0.000664	0.0176	0.2	0.199	0.195	0.198	0.170 to 0.230	99.5	70.0 to 130	2.03	20.0
BC08191	Lead, Total	mg/L	0.0000041	0.000147	0.100	0.101	0.0994	0.101	0.0850 to 0.115	101	70.0 to 130	1.60	20.0
BC08191	Lithium, Total	mg/L	0.000023	0.0154	0.200	0.197	0.197	0.200	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0
BC08191	Magnesium, Total	mg/L	-0.0116	0.0462	5.00	5.21	5.14	5.21	4.25 to 5.75	104	70.0 to 130	1.35	20.0
BC08191	Manganese, Total	mg/L	0.000035	0.0002	0.100	0.101	0.100	0.101	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC08191	Mercury, Total by CVAA	mg/L	2.700E-05	0.000500	0.004	0.00354	0.00360	0.00360	0.00340 to 0.00460	88.5	70.0 to 130	1.68	20.0
BC08191	Molybdenum, Total	mg/L	0.0000083	0.0002	0.100	0.0977	0.0974	0.0982	0.0850 to 0.115	97.7	70.0 to 130	0.308	20.0
BC08191	Potassium, Total	mg/L	0.00588	0.367	10.0	10.1	9.82	9.92	8.50 to 11.5	101	70.0 to 130	2.81	20.0
BC08191	Selenium, Total	mg/L	0.000013	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08191	Silicon, Total	mg/L	-0.000309	0.0440	1.00	1.01	0.992	0.995	0.850 to 1.15	101	70.0 to 130	1.80	20.0
BC08191	Sodium, Total	mg/L	0.00228	0.0660	5.00	5.10	5.10	5.17	4.25 to 5.75	102	70.0 to 130	0.00	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/27/22 16:00

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond Field Blank-4

Laboratory ID Number: BC08191

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard Limit	Rec		Prec Limit
				Limit	Spike	MS	MSD				Rec	Limit	
BC08191	Sulfate	mg/L	0.133	2.0	20.0	19.6	19.6	19.3	18.0 to 22.0	98.0	80.0 to 120	0.00	20.0
BC08191	Thallium, Total	mg/L	-0.0000047	0.000147	0.100	0.106	0.102	0.105	0.0850 to 0.115	106	70.0 to 130	3.85	20.0
BC08191	Total Organic Carbon	mg/L	0.240	1.00	10.0	9.97	10.2	9.84		99.7	80.0 to 120	2.28	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 4/27/22 16:00

Customer ID:

Delivery Date: 4/28/22 09:33

Description: Gaston Ash Pond Field Blank-4

Laboratory ID Number: BC08191

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Limit	Prec	Prec Limit
BC08191	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.12	0.200	2.00	1.89	-0.106	1.84	1.80 to 2.20	94.5	90.0 to 110	0.00	15.0
BC08190	Solids, Dissolved	mg/L	0.0000	25.0			425	49.0	40.0 to 60.0			1.90	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-8

Location Code: WMWGASAP
Collected: 5/2/22 10:20
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08539

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:12		1.015	0.0313	mg/L	0.030000	0.1015	J
* Calcium, Total	5/5/22 11:50	5/10/22 11:33		10.15	52.4	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 10:12		1.015	0.455	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 10:12		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:12		1.015	26.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:12		1	10.1	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:12		1.015	4.73	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:12		1.015	16.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:34		1.015	0.0316	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	5/5/22 11:28	5/10/22 13:52		10.15	56.7	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:34		1.015	0.381	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:34		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:34		1.015	25.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:34		1	9.95	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:34		1.015	4.65	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:34		1.015	15.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 14:02		1.015	0.00107	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 14:02		1.015	0.0188	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:02		1.015	0.000311	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:02		1.015	0.0227	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:02		1.015	0.00107	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 14:02		1.015	0.344	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-8

Location Code: WMWGASAP
Collected: 5/2/22 10:20
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08539

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.000926	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.0185	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.000284	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.0000744	mg/L	0.000068	0.000203	J
* Lead, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.0220	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.000989	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	0.360	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 15:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:15		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:24	5/5/22 12:24		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/13/22 10:15	5/13/22 11:44		1	284	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	237	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	282	mg/L			
Carbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	1.75	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 16:55	5/5/22 16:55		1	1.63	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-8

Location Code: WMWGASAP

Collected: 5/2/22 10:20

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08539

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:43	5/9/22 10:43		1	3.33	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:15	5/9/22 13:15		1	0.111	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:19	5/17/22 11:19		1	3.02	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/2/22 10:14	5/2/22 10:14			493.20	uS/cm			FA
pH	5/2/22 10:14	5/2/22 10:14			7.44	SU			FA
Temperature	5/2/22 10:14	5/2/22 10:14			19.63	C			FA
Turbidity	5/2/22 10:14	5/2/22 10:14			1.61	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:20

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC08539

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:20

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC08539

Sample	Analysis	Units	MB	MB		MS	MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike				Limit	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0	
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0	
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0	
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0	
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0	
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0	
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0	
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0	
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0	
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0	
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0	
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0	
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0	
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0	
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0	
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0	
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0	
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0	
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0	
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0	
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0	
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0	

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 5/2/22 10:20
Customer ID:
Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC08539

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:20

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC08539

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08554	Alkalinity, Total as CaCO3	mg/L					97.3	50.6	45.0 to 55.0			1.97	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-9

Location Code: WMWGASAP
Collected: 5/2/22 12:10
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08540

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:15		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	5/5/22 11:50	5/10/22 10:15		1.015	30.9	mg/L	0.070035	0.406	
* Iron, Total	5/5/22 11:50	5/10/22 10:15		1.015	0.248	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 10:15		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:15		1.015	15.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:15		1	10.1	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:15		1.015	4.71	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:15		1.015	35.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	31.9	mg/L	0.070035	0.406	
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	0.194	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	14.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:37		1	9.82	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	4.59	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:37		1.015	33.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 14:06		1.015	0.00225	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 14:06		1.015	0.114	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:06		1.015	0.000292	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:06		1.015	0.125	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:06		1.015	0.00120	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 14:06		1.015	0.503	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-9

Location Code: WMWGASAP
Collected: 5/2/22 12:10
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08540

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	0.00208	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	0.114	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	0.128	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	0.00110	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	0.538	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:19		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:26	5/5/22 12:26		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/13/22 10:15	5/13/22 11:44		1	197	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	209	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	196	mg/L			
Carbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	1.19	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 17:17	5/5/22 17:17		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-9

Location Code: WMWGASAP

Collected: 5/2/22 12:10

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08540

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:44	5/9/22 10:44		1	8.50	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:17	5/9/22 13:17		1	0.122	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:21	5/17/22 11:21		1	17.9	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/2/22 12:07	5/2/22 12:07			402.93	uS/cm			FA
pH	5/2/22 12:07	5/2/22 12:07			7.70	SU			FA
Temperature	5/2/22 12:07	5/2/22 12:07			21.20	C			FA
Turbidity	5/2/22 12:07	5/2/22 12:07			1.36	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC08540

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC08540

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC08540

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC08540

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08554	Alkalinity, Total as CaCO3	mg/L					97.3	50.6	45.0 to 55.0			1.97	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-10

Location Code: WMWGASAP
Collected: 5/2/22 14:15
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08541

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:17		1.015	0.0352	mg/L	0.030000	0.1015	J
* Calcium, Total	5/5/22 11:50	5/10/22 10:17		1.015	37.8	mg/L	0.070035	0.406	
* Iron, Total	5/5/22 11:50	5/10/22 10:17		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	5/5/22 11:50	5/10/22 10:17		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:17		1.015	21.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:17		1	8.82	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:17		1.015	4.12	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:17		1.015	2.47	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	0.0358	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	39.0	mg/L	0.070035	0.406	
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	20.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:40		1	8.65	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	4.04	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:40		1.015	2.51	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.000236	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.0132	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.000258	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.00159	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.000212	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.202	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-10

Location Code: WMWGASAP

Collected: 5/2/22 14:15

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08541

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:10		1.015	0.000548	mg/L	0.000508	0.001015	J
* Thallium, Total	5/5/22 08:33	5/5/22 14:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	0.000251	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	0.0131	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	0.000232	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	0.00134	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	0.000218	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	0.209	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:23		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:28	5/5/22 12:28		1	0.201	mg/L as N	0.20	0.3	J
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:56	5/16/22 13:56		1	186	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	173	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:56	5/16/22 13:56		1	183	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:56	5/16/22 13:56		1	2.99	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 17:38	5/5/22 17:38		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-10

Location Code: WMWGASAP
Collected: 5/2/22 14:15
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08541

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:45	5/9/22 10:45		1	3.20	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:18	5/9/22 13:18		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:24	5/17/22 11:24		1	4.75	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/2/22 14:10	5/2/22 14:10			344.10	uS/cm			FA
pH	5/2/22 14:10	5/2/22 14:10			7.12	SU			FA
Temperature	5/2/22 14:10	5/2/22 14:10			21.48	C			FA
Turbidity	5/2/22 14:10	5/2/22 14:10			1.27	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC08541

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC08541

Sample	Analysis	Units	MB	MB				MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike	Standard	Limit			Rec	Limit	Prec			
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0		
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0		
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0		
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0		
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0		
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0		
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0		
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0		
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0		
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0		
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0		
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0		
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0		
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0		
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0		
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0		
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0		
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0		
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0		
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0		
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0		
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0		

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC08541

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard Limit	Rec		Prec Limit
				Limit	Spike	MS	Standard				Rec	Limit	
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC08541

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-11

Location Code: WMWGASAP
Collected: 5/2/22 16:05
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08542

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 10:20		1.015	0.324	mg/L	0.030000	0.1015		
* Calcium, Total	5/5/22 11:50	5/10/22 11:36		10.15	43.4	mg/L	0.70035	4.06		
* Iron, Total	5/5/22 11:50	5/10/22 10:20		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	5/5/22 11:50	5/10/22 10:20		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/5/22 11:50	5/10/22 10:20		1.015	22.3	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:20		1	9.01	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 10:20		1.015	4.21	mg/L	0.02030	0.25375		
* Sodium, Total	5/5/22 11:50	5/10/22 10:20		1.015	5.70	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:43		1.015	0.324	mg/L	0.030000	0.1015		
* Calcium, Dissolved	5/5/22 11:28	5/10/22 13:55		10.15	44.0	mg/L	0.70035	4.06		
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:43		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:43		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:43		1.015	21.9	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:43		1	8.77	mg/L				
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:43		1.015	4.10	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:43		1.015	5.47	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	5/5/22 08:33	5/5/22 14:13		1.015	0.000177	mg/L	0.000081	0.000203	J	
* Barium, Total	5/5/22 08:33	5/5/22 14:13		1.015	0.00954	mg/L	0.000508	0.001015		
* Beryllium, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 14:13		1.015	0.000651	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	5/5/22 08:33	5/5/22 14:13		1.015	0.000177	mg/L	0.000152	0.000203	J	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:13		1.015	0.000376	mg/L	0.000102	0.000203		
* Potassium, Total	5/5/22 08:33	5/5/22 14:13		1.015	0.201	mg/L	0.169505	0.5075	J	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-11

Location Code: WMWGASAP
Collected: 5/2/22 16:05
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08542

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	0.000146	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	0.00969	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	0.000496	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	0.000342	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	0.208	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:27		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:30	5/5/22 12:30		1	0.884	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 14:06	5/16/22 14:06		1	136	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	234	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 14:06	5/16/22 14:06		1	134	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 14:06	5/16/22 14:06		1	1.78	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 17:58	5/5/22 17:58		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-11

Location Code: WMWGASAP

Collected: 5/2/22 16:05

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08542

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:47	5/9/22 10:47		1	6.86	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:19	5/9/22 13:19		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:23	5/17/22 11:23		3	58.3	mg/L	1.8	6	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/2/22 16:03	5/2/22 16:03			375.04	uS/cm			FA
pH	5/2/22 16:03	5/2/22 16:03			7.16	SU			FA
Temperature	5/2/22 16:03	5/2/22 16:03			20.66	C			FA
Turbidity	5/2/22 16:03	5/2/22 16:03			1.61	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 16:05

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC08542

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 5/2/22 16:05
Customer ID:
Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC08542

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 16:05

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC08542

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 16:05

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC08542

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-7

Location Code: WMWGASAP
Collected: 5/3/22 09:55
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08543

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 10:23		1.015	1.30	mg/L	0.030000	0.1015		
* Calcium, Total	5/5/22 11:50	5/10/22 11:39		10.15	69.0	mg/L	0.70035	4.06		
* Iron, Total	5/5/22 11:50	5/10/22 10:23		1.015	0.0104	mg/L	0.008120	0.0406	J	
* Lithium, Total	5/5/22 11:50	5/10/22 10:23		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/5/22 11:50	5/10/22 10:23		1.015	23.1	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:23		1	6.85	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 10:23		1.015	3.20	mg/L	0.02030	0.25375		
* Sodium, Total	5/5/22 11:50	5/10/22 10:23		1.015	10.2	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:46		1.015	1.28	mg/L	0.030000	0.1015		
* Calcium, Dissolved	5/5/22 11:28	5/10/22 13:58		10.15	74.8	mg/L	0.70035	4.06		
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:46		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:46		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:46		1.015	22.2	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:46		1	6.66	mg/L				
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:46		1.015	3.11	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:46		1.015	9.31	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 14:17		1.015	0.0116	mg/L	0.006090	0.01015		
* Arsenic, Total	5/5/22 08:33	5/5/22 14:17		1.015	0.000163	mg/L	0.000081	0.000203	J	
* Barium, Total	5/5/22 08:33	5/5/22 14:17		1.015	0.0191	mg/L	0.000508	0.001015		
* Beryllium, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 14:17		1.015	0.000349	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	5/5/22 08:33	5/5/22 14:17		1.015	0.00110	mg/L	0.000152	0.000203		
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:17		1.015	0.000237	mg/L	0.000102	0.000203		
* Potassium, Total	5/5/22 08:33	5/5/22 14:17		1.015	3.06	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-7

Location Code: WMWGASAP
Collected: 5/3/22 09:55
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08543

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	0.000160	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	0.0197	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	0.000212	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	0.000348	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	0.000281	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	3.12	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:31		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:31	5/5/22 12:31		1	0.330	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	174	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	329	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	172	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	2.13	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 18:20	5/5/22 18:20		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-7

Location Code: WMWGASAP
Collected: 5/3/22 09:55
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08543

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:48	5/9/22 10:48		1	12.6	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:20	5/9/22 13:20		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:26	5/17/22 11:26		5	107	mg/L	3.0	10	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/3/22 09:53	5/3/22 09:53			541.65	uS/cm			FA
pH	5/3/22 09:53	5/3/22 09:53			7.53	SU			FA
Temperature	5/3/22 09:53	5/3/22 09:53			18.80	C			FA
Turbidity	5/3/22 09:53	5/3/22 09:53			1.52	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 09:55

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC08543

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 09:55

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC08543

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 09:55

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC08543

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 09:55

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC08543

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-6

Location Code: WMWGASAP
Collected: 5/3/22 11:00
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08544

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 10:26		1.015	1.81	mg/L	0.030000	0.1015		
* Calcium, Total	5/5/22 11:50	5/10/22 11:42		10.15	68.8	mg/L	0.70035	4.06		
* Iron, Total	5/5/22 11:50	5/10/22 10:26		1.015	0.0177	mg/L	0.008120	0.0406	J	
* Lithium, Total	5/5/22 11:50	5/10/22 10:26		1.015	0.0178	mg/L	0.007105	0.01999956	J	
* Magnesium, Total	5/5/22 11:50	5/10/22 10:26		1.015	28.2	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:26		1	6.81	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 10:26		1.015	3.18	mg/L	0.02030	0.25375		
* Sodium, Total	5/5/22 11:50	5/10/22 10:26		1.015	18.9	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:49		1.015	1.79	mg/L	0.030000	0.1015		
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:01		10.15	68.9	mg/L	0.70035	4.06		
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:49		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:49		1.015	0.012	mg/L	0.007105	0.01999956	J	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:49		1.015	27.0	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:49		1	6.57	mg/L				
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:49		1.015	3.07	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:49		1.015	17.1	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 14:20		1.015	0.0245	mg/L	0.006090	0.01015		
* Arsenic, Total	5/5/22 08:33	5/5/22 14:20		1.015	0.000151	mg/L	0.000081	0.000203	J	
* Barium, Total	5/5/22 08:33	5/5/22 14:20		1.015	0.0232	mg/L	0.000508	0.001015		
* Beryllium, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 14:20		1.015	0.000304	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	5/5/22 08:33	5/5/22 14:20		1.015	0.00409	mg/L	0.000152	0.000203		
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:20		1.015	0.00912	mg/L	0.000102	0.000203		
* Potassium, Total	5/5/22 08:33	5/5/22 14:20		1.015	2.18	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-6

Location Code: WMWGASAP
Collected: 5/3/22 11:00
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08544

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	0.000116	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	0.0222	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	0.00317	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	0.00880	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	2.29	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:35		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:33	5/5/22 12:33		1	0.795	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	160	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	376	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	158	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	1.83	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 18:39	5/5/22 18:39		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-6

Location Code: WMWGASAP

Collected: 5/3/22 11:00

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08544

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:57	5/9/22 10:57		2	26.9	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:21	5/9/22 13:21		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:27	5/17/22 11:27		8	115	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/3/22 10:57	5/3/22 10:57			635.65	uS/cm			FA
pH	5/3/22 10:57	5/3/22 10:57			7.63	SU			FA
Temperature	5/3/22 10:57	5/3/22 10:57			19.74	C			FA
Turbidity	5/3/22 10:57	5/3/22 10:57			1.7	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 11:00

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC08544

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 11:00

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC08544

Sample	Analysis	Units	MB	MB				MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike	Standard	Limit			Rec	Limit	Prec			
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0		
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0		
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0		
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0		
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0		
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0		
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0		
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0		
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0		
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0		
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0		
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0		
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0		
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0		
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0		
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0		
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0		
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0		
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0		
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0		
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0		
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0		

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 11:00

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC08544

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 11:00

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC08544

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-21

Location Code: WMWGASAP
Collected: 5/3/22 12:10
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08545

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:29		1.015	1.61	mg/L	0.030000	0.1015	
* Calcium, Total	5/5/22 11:50	5/10/22 11:45		10.15	73.0	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 10:29		1.015	0.352	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 10:29		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:29		1.015	27.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:29		1	6.36	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:29		1.015	2.97	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:29		1.015	20.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:51		1.015	1.52	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:04		10.15	74.7	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:51		1.015	0.329	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:51		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:51		1.015	26.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:51		1	6.21	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:51		1.015	2.90	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:51		1.015	18.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 14:24		1.015	0.00141	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 14:24		1.015	0.0497	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	5/5/22 08:33	5/5/22 14:24		1.015	0.00116	mg/L	0.000068	0.000203	
* Lead, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:24		1.015	0.150	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:24		1.015	0.0116	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 14:24		1.015	2.20	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-21

Location Code: WMWGASAP
Collected: 5/3/22 12:10
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08545

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	0.00138	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	0.0475	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	0.00117	mg/L	0.000068	0.000203	
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	0.159	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	0.0106	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	2.16	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:39		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:35	5/5/22 12:35		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	144	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/9/22 11:25	5/11/22 12:45		1	388	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	142	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	1.93	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 19:01	5/5/22 19:01		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-21

Location Code: WMWGASAP

Collected: 5/3/22 12:10

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08545

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:59	5/9/22 10:59		2	30.6	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:23	5/9/22 13:23		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:28	5/17/22 11:28		8	131	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/3/22 12:06	5/3/22 12:06			655.26	uS/cm			FA
pH	5/3/22 12:06	5/3/22 12:06			7.48	SU			FA
Temperature	5/3/22 12:06	5/3/22 12:06			19.13	C			FA
Turbidity	5/3/22 12:06	5/3/22 12:06			1.17	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC08545

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC08545

Sample	Analysis	Units	MB	MB		MS	MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike				Limit	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0	
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0	
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0	
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0	
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0	
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0	
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0	
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0	
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0	
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0	
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0	
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0	
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0	
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0	
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0	
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0	
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0	
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0	
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0	
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0	
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0	
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0	

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC08545

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 12:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC08545

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08546	Solids, Dissolved	mg/L	1.00	25.0			306	49.0	40.0 to 60.0			0.651	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-22

Location Code: WMWGASAP

Collected: 5/3/22 13:20

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08546

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 10:32		1.015	1.00	mg/L	0.030000	0.1015		
* Calcium, Total	5/5/22 11:50	5/10/22 11:48		10.15	64.0	mg/L	0.70035	4.06		
* Iron, Total	5/5/22 11:50	5/10/22 10:32		1.015	0.00968	mg/L	0.008120	0.0406	J	
* Lithium, Total	5/5/22 11:50	5/10/22 10:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/5/22 11:50	5/10/22 10:32		1.015	24.4	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:32		1	6.72	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 10:32		1.015	3.14	mg/L	0.02030	0.25375		
* Sodium, Total	5/5/22 11:50	5/10/22 10:32		1.015	11.6	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:54		1.015	0.977	mg/L	0.030000	0.1015		
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:07		10.15	66.7	mg/L	0.70035	4.06		
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:54		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:54		1.015	23.8	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:54		1	6.57	mg/L				
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:54		1.015	3.07	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:54		1.015	11.0	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	5/5/22 08:33	5/5/22 14:27		1.015	0.000153	mg/L	0.000081	0.000203	J	
* Barium, Total	5/5/22 08:33	5/5/22 14:27		1.015	0.0276	mg/L	0.000508	0.001015		
* Beryllium, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 14:27		1.015	0.000260	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 14:27		1.015	0.000146	mg/L	0.000068	0.000203	J	
* Lead, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	5/5/22 08:33	5/5/22 14:27		1.015	0.0689	mg/L	0.000152	0.000203		
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:27		1.015	0.0342	mg/L	0.000102	0.000203		
* Potassium, Total	5/5/22 08:33	5/5/22 14:27		1.015	2.14	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-22

Location Code: WMWGASAP
Collected: 5/3/22 13:20
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08546

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	0.0000926	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	0.0277	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	0.0126	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	0.0333	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	2.25	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:43		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:37	5/5/22 12:37		1	0.617	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	192	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/9/22 11:25	5/11/22 12:45		1	308	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	191	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	0.668	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 19:19	5/5/22 19:19		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-22

Location Code: WMWGASAP

Collected: 5/3/22 13:20

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08546

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:51	5/9/22 10:51		1	14.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:24	5/9/22 13:24		1	0.0819	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:29	5/17/22 11:29		4	74.2	mg/L	2.4	8	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	5/3/22 13:18	5/3/22 13:18			538.69	uS/cm			FA
pH	5/3/22 13:18	5/3/22 13:18			7.21	SU			FA
Temperature	5/3/22 13:18	5/3/22 13:18			19.33	C			FA
Turbidity	5/3/22 13:18	5/3/22 13:18			1.17	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 5/3/22 13:20
Customer ID:
Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC08546

Sample	Analysis	Units	MB	MB		MS	MSD	Standard	Standard		Rec		Prec
				Limit	Spike				Limit	Limit	Prec	Limit	
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 5/3/22 13:20
Customer ID:
Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC08546

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 13:20

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC08546

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 13:20

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC08546

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08546	Solids, Dissolved	mg/L	1.00	25.0			306	49.0	40.0 to 60.0			0.651	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Equipment Blank-1

Location Code: WMWGASAPEB
Collected: 5/3/22 13:45
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08547

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:35		1	Not Detected	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	5/5/22 11:50	5/10/22 10:35		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:46		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	5/5/22 12:39	5/5/22 12:39		1	0.204	mg/L as N	0.20	0.3	J
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	5/9/22 11:25	5/11/22 12:45		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Equipment Blank-1

Location Code: WMWGAPEB

Collected: 5/3/22 13:45

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08547

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 19:37	5/5/22 19:37		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:53	5/9/22 10:53		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:25	5/9/22 13:25		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:30	5/17/22 11:30		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPEB

Sample Date: 5/3/22 13:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond Equipment Blank-1

Laboratory ID Number: BC08547

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPEB

Sample Date: 5/3/22 13:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond Equipment Blank-1

Laboratory ID Number: BC08547

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard Limit	Rec		Prec Limit
				Limit	Spike	MS	MSD				Rec	Limit	
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPEB

Sample Date: 5/3/22 13:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond Equipment Blank-1

Laboratory ID Number: BC08547

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08546	Solids, Dissolved	mg/L	1.00	25.0			306	49.0	40.0 to 60.0			0.651	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27

Location Code: WMWGASAP
Collected: 5/2/22 10:24
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08548

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:38		1.015	0.178	mg/L	0.030000	0.1015	
* Calcium, Total	5/5/22 11:50	5/10/22 10:38		1.015	27.8	mg/L	0.070035	0.406	
* Iron, Total	5/5/22 11:50	5/10/22 10:38		1.015	0.0762	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 10:38		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:38		1.015	14.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:38		1	7.75	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:38		1.015	3.62	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:38		1.015	7.51	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	0.180	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	29.5	mg/L	0.070035	0.406	
* Iron, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	14.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 12:57		1	7.43	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	3.47	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 12:57		1.015	6.92	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.0381	mg/L	0.006090	0.01015	R
* Arsenic, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.000221	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.0158	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.000274	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.00334	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.00501	mg/L	0.000102	0.000203	R
* Potassium, Total	5/5/22 08:33	5/5/22 14:36		1.015	0.697	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27

Location Code: WMWGASAP
Collected: 5/2/22 10:24
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08548

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	0.000134	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	0.0150	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	0.000310	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	0.00553	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	0.688	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/24/22 14:34	5/25/22 11:20		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 20:50		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:41	5/5/22 12:41		1	1.10	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/13/22 10:15	5/13/22 11:44		1	126	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	146	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	126	mg/L			
Carbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	0.215	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 19:55	5/5/22 19:55		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27

Location Code: WMWGASAP

Collected: 5/2/22 10:24

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08548

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 10:54	5/9/22 10:54		1	13.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:26	5/9/22 13:26		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 11:32	5/17/22 11:32		1	14.9	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	5/2/22 10:20	5/2/22 10:20			271.43	uS/cm			FA
pH	5/2/22 10:20	5/2/22 10:20			6.74	SU			FA
Temperature	5/2/22 10:20	5/2/22 10:20			19.60	C			FA
Turbidity	5/2/22 10:20	5/2/22 10:20			2.36	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC08548

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08548	Aluminum, Dissolved	mg/L	0.000229	0.010	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08548	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.213	0.224	0.0985	0.0850 to 0.115	175	70.0 to 130	5.03	20.0
BC08548	Antimony, Dissolved	mg/L	0.000271	0.00100	0.100	0.0890	0.0911	0.0878	0.0850 to 0.115	89.0	70.0 to 130	2.33	20.0
BC08548	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.102	0.105	0.0932	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08548	Arsenic, Dissolved	mg/L	0.000068	0.000176	0.100	0.0991	0.0986	0.0984	0.0850 to 0.115	99.0	70.0 to 130	0.506	20.0
BC08548	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.102	0.0996	0.103	0.0850 to 0.115	102	70.0 to 130	2.38	20.0
BC08548	Barium, Dissolved	mg/L	-0.0000075	0.00100	0.100	0.113	0.113	0.0970	0.0850 to 0.115	98.0	70.0 to 130	0.00	20.0
BC08548	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.123	0.101	0.0850 to 0.115	103	70.0 to 130	3.31	20.0
BC08548	Beryllium, Dissolved	mg/L	0.0000152	0.000880	0.100	0.106	0.105	0.104	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC08548	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.106	0.103	0.110	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08548	Boron, Total	mg/L	0.000126	0.0650	1.00	1.20	1.20	1.03	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC08548	Cadmium, Dissolved	mg/L	0.0000036	0.000147	0.100	0.0974	0.0986	0.100	0.0850 to 0.115	97.4	70.0 to 130	1.22	20.0
BC08548	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.100	0.101	0.0968	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08548	Calcium, Total	mg/L	0.00406	0.152	5.00	31.7	31.4	4.90	4.25 to 5.75	78.0	70.0 to 130	0.951	20.0
BC08548	Chloride	mg/L	0.169	1.00	10.0	22.9	23.0	9.54	9.00 to 11.0	99.0	80.0 to 120	0.436	20.0
BC08548	Chromium, Dissolved	mg/L	0.0000055	0.000440	0.100	0.0992	0.0987	0.0985	0.0850 to 0.115	98.9	70.0 to 130	0.505	20.0
BC08548	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08548	Cobalt, Dissolved	mg/L	0.0000038	0.000147	0.100	0.0996	0.0986	0.101	0.0850 to 0.115	99.6	70.0 to 130	1.01	20.0
BC08548	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08548	Fluoride	mg/L	0.0185	0.125	2.50	2.67	2.61	2.66	2.25 to 2.75	107	80.0 to 120	2.27	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 5/2/22 10:24
Customer ID:
Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC08548

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08548	Iron, Total	mg/L	0.000951	0.0176	0.2	0.262	0.267	0.204	0.170 to 0.230	92.9	70.0 to 130	1.89	20.0
BC08548	Lead, Dissolved	mg/L	0.0000048	0.000147	0.100	0.102	0.103	0.0965	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08548	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0
BC08548	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.210	0.214	0.206	0.170 to 0.230	105	70.0 to 130	1.89	20.0
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0
BC08548	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	19.5	19.7	5.19	4.25 to 5.75	96.0	70.0 to 130	1.02	20.0
BC08548	Manganese, Dissolved	mg/L	0.0000176	0.0002	0.100	0.100	0.0997	0.0998	0.0850 to 0.115	100	70.0 to 130	0.300	20.0
BC08548	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.103	0.103	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.00	20.0
BC08548	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.0039	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.514	20.0
BC08548	Molybdenum, Dissolved	mg/L	0.0000074	0.0002	0.100	0.104	0.103	0.0964	0.0850 to 0.115	98.5	70.0 to 130	0.966	20.0
BC08548	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.136	0.137	0.0979	0.0850 to 0.115	131	70.0 to 130	0.733	20.0
BC08548	Potassium, Dissolved	mg/L	-0.00122	0.367	10.0	10.6	10.3	9.62	8.50 to 11.5	99.1	70.0 to 130	2.87	20.0
BC08548	Potassium, Total	mg/L	-0.00103	0.367	10.0	12.0	12.1	10.1	8.50 to 11.5	113	70.0 to 130	0.830	20.0
BC08548	Selenium, Dissolved	mg/L	-0.0000721	0.00100	0.100	0.0982	0.0999	0.0990	0.0850 to 0.115	98.2	70.0 to 130	1.72	20.0
BC08548	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.101	0.102	0.104	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0
BC08548	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.68	4.67	1.03	0.850 to 1.15	106	70.0 to 130	0.214	20.0
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0
BC08548	Sodium, Total	mg/L	0.00146	0.0660	5.00	12.8	13.1	5.15	4.25 to 5.75	106	70.0 to 130	2.32	20.0
BC08548	Sulfate	mg/L	0.0487	2.0	20.0	35.0	35.1	18.5	18.0 to 22.0	100	80.0 to 120	0.285	20.0
BC08548	Thallium, Dissolved	mg/L	0.0000076	0.000147	0.100	0.104	0.106	0.0973	0.0850 to 0.115	104	70.0 to 130	1.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC08548

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08548	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.101	0.0970	0.0995	0.0850 to 0.115	101	70.0 to 130	4.04	20.0
BC08548	Total Organic Carbon	mg/L	0.190	1.00	10.0	10.0	10.7	9.69		100	80.0 to 120	6.76	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC08548

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08554	Alkalinity, Total as CaCO3	mg/L					97.3	50.6	45.0 to 55.0			1.97	10.0
BC08548	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	3.20	1.08	2.00	1.80 to 2.20	105	90.0 to 110	1.83	15.0
BC08548	Solids, Dissolved	mg/L	1.00	25.0			150	48.0	40.0 to 60.0			2.70	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27 Dup

Location Code: WMWGASAP
Collected: 5/2/22 10:24
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08549

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:52		1.015	0.178	mg/L	0.030000	0.1015	
* Calcium, Total	5/5/22 11:50	5/10/22 10:52		1.015	27.3	mg/L	0.070035	0.406	
* Iron, Total	5/5/22 11:50	5/10/22 10:52		1.015	0.0431	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 10:52		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:52		1.015	14.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:52		1	7.60	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:52		1.015	3.55	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:52		1.015	7.67	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	0.180	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	28.8	mg/L	0.070035	0.406	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	14.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:00		1	7.38	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	3.45	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:00		1.015	6.95	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 14:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.0363	mg/L	0.006090	0.01015	
* Arsenic, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.000176	mg/L	0.000081	0.000203	J
* Barium, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.0167	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 14:57		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 14:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.000253	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 14:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 14:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.00354	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.00523	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.698	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27 Dup

Location Code: WMWGASAP
Collected: 5/2/22 10:24
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08549

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 14:57		1.015	0.000546	mg/L	0.000508	0.001015	J
* Thallium, Total	5/5/22 08:33	5/5/22 14:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	0.000108	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	0.0150	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000152	0.000203	U
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	0.00564	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	0.709	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:10		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:50	5/5/22 12:50		1	1.12	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/13/22 10:15	5/13/22 11:44		1	127	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	152	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	127	mg/L			
Carbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 21:21	5/5/22 21:21		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27 Dup

Location Code: WMWGASAP

Collected: 5/2/22 10:24

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08549

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:11	5/9/22 11:11		1	12.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:39	5/9/22 13:39		1	0.0641	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:07	5/17/22 12:07		1	14.6	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	5/2/22 10:20	5/2/22 10:20			271.43	uS/cm			FA
pH	5/2/22 10:20	5/2/22 10:20			6.74	SU			FA
Temperature	5/2/22 10:20	5/2/22 10:20			19.60	C			FA
Turbidity	5/2/22 10:20	5/2/22 10:20			2.36	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27 Dup

Laboratory ID Number: BC08549

Sample	Analysis	Units	MB	MB		MS	MSD	Standard	Standard Limit	Rec		Prec Limit	
				Limit	Spike					Rec	Limit		
BC08549	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.105	0.105	0.104	0.0850 to 0.115	105	70.0 to 130	0.00	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08549	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0907	0.0944	0.0946	0.0850 to 0.115	90.7	70.0 to 130	4.00	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08549	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.0990	0.101	0.101	0.0850 to 0.115	98.9	70.0 to 130	2.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08549	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.116	0.117	0.104	0.0850 to 0.115	101	70.0 to 130	0.858	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08549	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.102	0.104	0.102	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08549	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.19	1.19	1.02	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08549	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.102	0.0993	0.0850 to 0.115	100	70.0 to 130	1.98	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08549	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	34.0	33.9	5.08	4.25 to 5.75	104	70.0 to 130	0.295	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08549	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08549	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.102	0.105	0.106	0.0850 to 0.115	102	70.0 to 130	2.90	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08549	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.194	0.193	0.202	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27 Dup

Laboratory ID Number: BC08549

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08549	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.103	0.106	0.107	0.0850 to 0.115	103	70.0 to 130	2.87	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08549	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.194	0.193	0.196	0.170 to 0.230	97.0	70.0 to 130	0.517	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08549	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	19.4	19.2	5.12	4.25 to 5.75	98.0	70.0 to 130	1.04	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08549	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.104	0.103	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08549	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.104	0.109	0.105	0.0850 to 0.115	98.4	70.0 to 130	4.69	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08549	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	10.8	10.9	10.2	8.50 to 11.5	101	70.0 to 130	0.922	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08549	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08549	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.44	4.43	1.01	0.850 to 1.15	99.0	70.0 to 130	0.225	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08549	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	11.6	11.5	4.79	4.25 to 5.75	93.0	70.0 to 130	0.866	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08549	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.100	0.104	0.101	0.0850 to 0.115	100	70.0 to 130	3.92	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27 Dup

Laboratory ID Number: BC08549

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0		
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0		

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:24

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-27 Dup

Laboratory ID Number: BC08549

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08554	Alkalinity, Total as CaCO3	mg/L					97.3	50.6	45.0 to 55.0			1.97	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-5

Location Code: WMWGASAPFB
Collected: 5/2/22 10:40
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08550

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.070035	0.406	U	
* Iron, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.021315	0.406	U	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:55		1	Not Detected	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.02030	0.25375	U	
* Sodium, Total	5/5/22 11:50	5/10/22 10:55		1.015	Not Detected	mg/L	0.03045	0.406	U	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000081	0.000203	U	
* Barium, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 15:01		1.015	0.000236	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000152	0.000203	U	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000102	0.000203	U	
* Potassium, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.169505	0.5075	U	
* Selenium, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Thallium, Total	5/5/22 08:33	5/5/22 15:01		1.015	Not Detected	mg/L	0.000068	0.000203	U	
Analytical Method: EPA 245.1		Analyst: CRB								
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:14		1	Not Detected	mg/L	0.0003	0.0005	U	
Analytical Method: EPA 353.2		Analyst: CES								
* Nitrogen, Nitrate/Nitrite	5/5/22 12:52	5/5/22 12:52		1	Not Detected	mg/L as N	0.20	0.3	U	
Analytical Method: SM 2540C		Analyst: CNJ								
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	Not Detected	mg/L		25	U	

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-5

Location Code: WMWGASAPFB

Collected: 5/2/22 10:40

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08550

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 21:38	5/5/22 21:38		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:12	5/9/22 11:12		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:41	5/9/22 13:41		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:08	5/17/22 12:08		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 5/2/22 10:40

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond Field Blank-5

Laboratory ID Number: BC08550

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 5/2/22 10:40

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond Field Blank-5

Laboratory ID Number: BC08550

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard Limit	Rec		Prec Limit
				Limit	Spike	MS	MSD				Rec	Limit	
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 5/2/22 10:40

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond Field Blank-5

Laboratory ID Number: BC08550

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-13

Location Code: WMWGASAP
Collected: 5/2/22 15:12
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08551

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 10:58		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	5/5/22 11:50	5/10/22 11:51		10.15	44.1	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 10:58		1.015	0.351	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 10:58		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 10:58		1.015	24.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 10:58		1	8.84	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 10:58		1.015	4.13	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 10:58		1.015	4.58	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:15		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:10		10.15	50.2	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:15		1.015	0.302	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:15		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:15		1.015	23.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:15		1	8.67	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:15		1.015	4.05	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:15		1.015	4.20	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 15:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.00775	mg/L	0.006090	0.01015	J
* Arsenic, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.000428	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.0414	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 15:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.000265	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.000136	mg/L	0.000068	0.000203	J
* Lead, Total	5/5/22 08:33	5/5/22 15:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.112	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.000302	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 15:05		1.015	0.287	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-13

Location Code: WMWGASAP
Collected: 5/2/22 15:12
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08551

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	0.000435	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	0.0411	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	0.000125	mg/L	0.000068	0.000203	J
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	0.109	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	0.000363	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	0.290	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:18		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:54	5/5/22 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	5/16/22 14:15	5/16/22 14:15		1	270	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	201	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 14:15	5/16/22 14:15		1	267	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 14:15	5/16/22 14:15		1	2.63	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 22:00	5/5/22 22:00		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-13

Location Code: WMWGASAP

Collected: 5/2/22 15:12

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08551

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:13	5/9/22 11:13		1	4.32	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:42	5/9/22 13:42		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:09	5/17/22 12:09		1	Not Detected	mg/L	0.6	2	U
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	5/2/22 15:09	5/2/22 15:09			381.94	uS/cm			FA
pH	5/2/22 15:09	5/2/22 15:09			7.46	SU			FA
Temperature	5/2/22 15:09	5/2/22 15:09			20.11	C			FA
Turbidity	5/2/22 15:09	5/2/22 15:09			1.73	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 15:12

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC08551

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 15:12

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC08551

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 15:12

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC08551

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 15:12

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC08551

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-12

Location Code: WMWGASAP

Collected: 5/3/22 10:10

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08552

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 11:01		1.015	0.465	mg/L	0.030000	0.1015	
* Calcium, Total	5/5/22 11:50	5/10/22 11:53		10.15	65.3	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 11:01		1.015	0.370	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 11:01		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 11:01		1.015	37.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:01		1	9.05	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 11:01		1.015	4.23	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 11:01		1.015	10.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:18		1.015	0.457	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:13		10.15	70.9	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:18		1.015	0.310	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:18		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:18		1.015	36.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:18		1	8.95	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:18		1.015	4.18	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:18		1.015	9.15	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 15:08		1.015	0.00223	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 15:08		1.015	0.0752	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	5/5/22 08:33	5/5/22 15:08		1.015	0.000219	mg/L	0.000068	0.000203	
* Lead, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 15:08		1.015	0.104	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:08		1.015	0.000331	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 15:08		1.015	0.292	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-12

Location Code: WMWGASAP
Collected: 5/3/22 10:10
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08552

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	0.00205	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	0.0766	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	0.000224	mg/L	0.000068	0.000203	
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	0.0995	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	0.000270	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	0.288	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:22		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:55	5/5/22 12:55		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	212	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	371	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	210	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	1.76	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 22:18	5/5/22 22:18		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-12

Location Code: WMWGASAP

Collected: 5/3/22 10:10

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08552

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:14	5/9/22 11:14		1	18.9	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:43	5/9/22 13:43		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:11	5/17/22 12:11		5	97.0	mg/L	3.0	10	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	5/3/22 10:09	5/3/22 10:09			463.37	uS/cm			FA
pH	5/3/22 10:09	5/3/22 10:09			7.39	SU			FA
Temperature	5/3/22 10:09	5/3/22 10:09			21.09	C			FA
Turbidity	5/3/22 10:09	5/3/22 10:09			1.2	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC08552

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC08552

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC08552

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:10

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC08552

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Rec Limit	Prec Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-30H

Location Code: WMWGASAP
Collected: 5/2/22 10:18
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08553

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 11:04		1.015	0.0502	mg/L	0.030000	0.1015	J
* Calcium, Total	5/5/22 11:50	5/10/22 11:56		10.15	78.8	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 11:04		1.015	0.853	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 11:04		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 11:56		10.15	40.5	mg/L	0.21315	4.06	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:04		1	13.1	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 11:04		1.015	6.14	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 11:04		1.015	30.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:21		1.015	0.0490	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:16		10.15	90.7	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:21		1.015	0.778	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:21		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:21		1.015	39.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:21		1	12.8	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:21		1.015	5.97	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:21		1.015	26.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.00548	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.0734	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.000211	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.00125	mg/L	0.000068	0.000203	
* Lead, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.240	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.00195	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 15:12		1.015	0.785	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-30H

Location Code: WMWGASAP
Collected: 5/2/22 10:18
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08553

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	0.00480	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	0.0718	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	0.00126	mg/L	0.000068	0.000203	
* Lead, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	0.239	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	0.00188	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	0.771	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 16:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:26		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:57	5/5/22 12:57		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/13/22 10:15	5/13/22 11:44		1	343	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	412	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	342	mg/L			
Carbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	0.720	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 22:38	5/5/22 22:38		1	1.55	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-30H

Location Code: WMWGASAP

Collected: 5/2/22 10:18

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08553

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:25	5/9/22 11:25		2	31.7	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:44	5/9/22 13:44		1	0.152	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:12	5/17/22 12:12		1	25.1	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	5/2/22 10:15	5/2/22 10:15			723.90	uS/cm			FA
pH	5/2/22 10:15	5/2/22 10:15			7.14	SU			FA
Temperature	5/2/22 10:15	5/2/22 10:15			19.77	C			FA
Turbidity	5/2/22 10:15	5/2/22 10:15			1.16	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:18

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC08553

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
				Limit					Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0	
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0	
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0	
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0	
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0	
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0	
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0	
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0	
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0	
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0	
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0	
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0	
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0	
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0	
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0	
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0	
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0	
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0	
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0	
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0	
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0	
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0	
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0	

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:18

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC08553

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:18

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC08553

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 10:18

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC08553

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08554	Alkalinity, Total as CaCO3	mg/L					97.3	50.6	45.0 to 55.0			1.97	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-15R

Location Code: WMWGASAP
Collected: 5/2/22 11:48
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08554

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 11:07		1.015	2.36	mg/L	0.030000	0.1015	
* Calcium, Total	5/5/22 11:50	5/10/22 11:59		10.15	93.2	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 11:07		1.015	0.0792	mg/L	0.008120	0.0406	
* Lithium, Total	5/5/22 11:50	5/10/22 11:07		1.015	0.0278	mg/L	0.007105	0.01999956	
* Magnesium, Total	5/5/22 11:50	5/10/22 11:07		1.015	27.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:07		1	6.63	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 11:07		1.015	3.10	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 11:59		10.15	52.6	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:23		1.015	2.30	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:18		10.15	101	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:23		1.015	0.0623	mg/L	0.008120	0.0406	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:23		1.015	0.0268	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:23		1.015	27.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:23		1	6.51	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:23		1.015	3.04	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 14:18		10.15	50.7	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	5/5/22 08:33	5/5/22 15:15		1.015	0.000582	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 15:15		1.015	0.0561	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 15:15		1.015	0.000275	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 15:15		1.015	0.000275	mg/L	0.000068	0.000203	
* Lead, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 15:15		1.015	0.284	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:15		1.015	0.144	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 15:15		1.015	6.06	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-15R

Location Code: WMWGASAP
Collected: 5/2/22 11:48
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08554

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	0.000558	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	0.0563	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	0.000212	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	0.000299	mg/L	0.000068	0.000203	
* Lead, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	0.282	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	0.144	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	6.14	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 17:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:30		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 12:59	5/5/22 12:59		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/13/22 10:15	5/13/22 11:44		1	95.4	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	574	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	94.8	mg/L		1	A
Carbonate Alkalinity, (calc.)	5/13/22 10:15	5/13/22 11:44		1	0.575	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 22:56	5/5/22 22:56		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-15R

Location Code: WMWGASAP

Collected: 5/2/22 11:48

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08554

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:26	5/9/22 11:26		16	79.9	mg/L	8.00	16	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:45	5/9/22 13:45		1	0.080	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:13	5/17/22 12:13		16	224	mg/L	9.6	32	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	5/2/22 11:45	5/2/22 11:45			883.92	uS/cm			FA
pH	5/2/22 11:45	5/2/22 11:45			7.49	SU			FA
Temperature	5/2/22 11:45	5/2/22 11:45			20.19	C			FA
Turbidity	5/2/22 11:45	5/2/22 11:45			0.84	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 5/2/22 11:48
Customer ID:
Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC08554

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 11:48

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC08554

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 11:48

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC08554

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 11:48

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC08554

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08554	Alkalinity, Total as CaCO3	mg/L					97.3	50.6	45.0 to 55.0			1.97	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-4

Location Code: WMWGASAP
Collected: 5/2/22 14:13
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08555

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 11:10		1.015	0.109	mg/L	0.030000	0.1015	
* Calcium, Total	5/5/22 11:50	5/10/22 12:08		10.15	56.8	mg/L	0.70035	4.06	
* Iron, Total	5/5/22 11:50	5/10/22 11:10		1.015	0.0224	mg/L	0.008120	0.0406	J
* Lithium, Total	5/5/22 11:50	5/10/22 11:10		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 11:10		1.015	31.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:10		1	9.74	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 11:10		1.015	4.55	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 11:10		1.015	6.48	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:26		1.015	0.106	mg/L	0.030000	0.1015	
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:27		10.15	61.4	mg/L	0.70035	4.06	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:26		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:26		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:26		1.015	29.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:26		1	9.52	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:26		1.015	4.45	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:26		1.015	5.89	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.0289	mg/L	0.006090	0.01015	
* Arsenic, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.000162	mg/L	0.000081	0.000203	J
* Barium, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.0153	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.000738	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.00692	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.000296	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 15:19		1.015	0.699	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-4

Location Code: WMWGASAP
Collected: 5/2/22 14:13
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08555

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	0.000116	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	0.0145	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	0.000615	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	0.00571	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	0.000308	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	0.712	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 17:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:34		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 13:00	5/5/22 13:00		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:50	5/16/22 13:50		1	272	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	248	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:50	5/16/22 13:50		1	270	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:50	5/16/22 13:50		1	1.57	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 23:17	5/5/22 23:17		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-4

Location Code: WMWGASAP

Collected: 5/2/22 14:13

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08555

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:18	5/9/22 11:18		1	8.75	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:47	5/9/22 13:47		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:14	5/17/22 12:14		1	11.1	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	5/2/22 14:10	5/2/22 14:10			463.16	uS/cm			FA
pH	5/2/22 14:10	5/2/22 14:10			6.68	SU			FA
Temperature	5/2/22 14:10	5/2/22 14:10			19.58	C			FA
Turbidity	5/2/22 14:10	5/2/22 14:10			2.74	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:13

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC08555

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:13

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC08555

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard	Standard Limit	Rec		Prec Limit	
			MB	Limit						Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:13

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC08555

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08558	Thallium, Total	mg/L	-0.000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0		
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0		

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/2/22 14:13

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC08555

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Rec Limit	Prec Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-3

Location Code: WMWGASAP
Collected: 5/3/22 08:45
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08556

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Total	5/5/22 11:50	5/10/22 11:13		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	5/5/22 11:50	5/10/22 11:13		1.015	29.9	mg/L	0.070035	0.406	
* Iron, Total	5/5/22 11:50	5/10/22 11:13		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	5/5/22 11:50	5/10/22 11:13		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	5/5/22 11:50	5/10/22 11:13		1.015	17.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:13		1	7.92	mg/L			
Silicon, Total	5/5/22 11:50	5/10/22 11:13		1.015	3.70	mg/L	0.02030	0.25375	
* Sodium, Total	5/5/22 11:50	5/10/22 11:13		1.015	2.23	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: RDA		Preparation Method: EPA 1638				
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	31.6	mg/L	0.070035	0.406	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	16.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:29		1	7.64	mg/L			
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	3.57	mg/L	0.02030	0.25375	
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:29		1.015	1.90	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	5/5/22 08:33	5/5/22 15:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.0288	mg/L	0.006090	0.01015	
* Arsenic, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.000577	mg/L	0.000081	0.000203	
* Barium, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.0222	mg/L	0.000508	0.001015	
* Beryllium, Total	5/5/22 08:33	5/5/22 15:22		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	5/5/22 08:33	5/5/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.000438	mg/L	0.000203	0.001015	J
* Cobalt, Total	5/5/22 08:33	5/5/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	5/5/22 08:33	5/5/22 15:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.00126	mg/L	0.000152	0.000203	
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.00439	mg/L	0.000102	0.000203	
* Potassium, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.241	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-3

Location Code: WMWGASAP
Collected: 5/3/22 08:45
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08556

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:22		1.015	0.000358	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.000549	mg/L	0.000081	0.000203	
* Barium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.0206	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.000292	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.000259	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.00436	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.223	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 17:09		1.015	0.000323	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:38		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 13:01	5/5/22 13:01		1	0.243	mg/L as N	0.20	0.3	J
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	155	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	141	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	153	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	1.69	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 23:35	5/5/22 23:35		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-3

Location Code: WMWGASAP

Collected: 5/3/22 08:45

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08556

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:19	5/9/22 11:19		1	1.67	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:48	5/9/22 13:48		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:16	5/17/22 12:16		1	2.16	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	5/3/22 08:42	5/3/22 08:42			250.96	uS/cm			FA
pH	5/3/22 08:42	5/3/22 08:42			7.72	SU			FA
Temperature	5/3/22 08:42	5/3/22 08:42			18.83	C			FA
Turbidity	5/3/22 08:42	5/3/22 08:42			0.71	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 08:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC08556

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 08:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC08556

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 08:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC08556

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 08:45

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC08556

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5

Location Code: WMWGASAP
Collected: 5/3/22 10:15
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08557

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 11:16		1.015	0.562	mg/L	0.030000	0.1015		
* Calcium, Total	5/5/22 11:50	5/10/22 12:11		10.15	56.6	mg/L	0.70035	4.06		
* Iron, Total	5/5/22 11:50	5/10/22 11:16		1.015	0.0377	mg/L	0.008120	0.0406	J	
* Lithium, Total	5/5/22 11:50	5/10/22 11:16		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/5/22 11:50	5/10/22 11:16		1.015	21.8	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:16		1	8.02	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 11:16		1.015	3.75	mg/L	0.02030	0.25375		
* Sodium, Total	5/5/22 11:50	5/10/22 11:16		1.015	8.62	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:32		1.015	0.551	mg/L	0.030000	0.1015		
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:30		10.15	55.4	mg/L	0.70035	4.06		
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:32		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:32		1.015	20.8	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:32		1	7.73	mg/L				
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:32		1.015	3.61	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:32		1.015	7.74	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 15:26		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.103	mg/L	0.006090	0.01015		
* Arsenic, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.000154	mg/L	0.000081	0.000203	J	
* Barium, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.0219	mg/L	0.000508	0.001015		
* Beryllium, Total	5/5/22 08:33	5/5/22 15:26		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 15:26		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.000335	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.0000885	mg/L	0.000068	0.000203	J	
* Lead, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.000102	mg/L	0.000068	0.000203	J	
* Manganese, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.00115	mg/L	0.000152	0.000203		
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:26		1.015	0.0389	mg/L	0.000102	0.000203		
* Potassium, Total	5/5/22 08:33	5/5/22 15:26		1.015	2.16	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5

Location Code: WMWGASAP
Collected: 5/3/22 10:15
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08557

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	0.000117	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	0.0225	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	0.000179	mg/L	0.000152	0.000203	J
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	0.0389	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	2.06	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 17:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:41		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 13:02	5/5/22 13:02		1	0.903	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	178	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	239	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	176	mg/L		1	
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	2.33	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/5/22 23:57	5/5/22 23:57		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5

Location Code: WMWGASAP

Collected: 5/3/22 10:15

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08557

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:20	5/9/22 11:20		1	12.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:49	5/9/22 13:49		1	0.0648	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:17	5/17/22 12:17		1	34.0	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	5/3/22 10:12	5/3/22 10:12			399.87	uS/cm			FA
pH	5/3/22 10:12	5/3/22 10:12			7.01	SU			FA
Temperature	5/3/22 10:12	5/3/22 10:12			20.10	C			FA
Turbidity	5/3/22 10:12	5/3/22 10:12			3.52	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC08557

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC08557

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC08557

Sample	Analysis	Units	MB	MB Limit	Spike	MS	MSD	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC08557

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Rec Limit	Prec Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5 Dup

Location Code: WMWGASAP
Collected: 5/3/22 10:15
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08558

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Total	5/5/22 11:50	5/10/22 11:19		1.015	0.565	mg/L	0.030000	0.1015		
* Calcium, Total	5/5/22 11:50	5/10/22 12:14		10.15	48.2	mg/L	0.70035	4.06	RA	
* Iron, Total	5/5/22 11:50	5/10/22 11:19		1.015	0.0468	mg/L	0.008120	0.0406		
* Lithium, Total	5/5/22 11:50	5/10/22 11:19		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	5/5/22 11:50	5/10/22 11:19		1.015	21.7	mg/L	0.021315	0.406		
Silica, Total (calc.)	5/5/22 11:50	5/10/22 11:19		1	8.07	mg/L				
Silicon, Total	5/5/22 11:50	5/10/22 11:19		1.015	3.77	mg/L	0.02030	0.25375		
* Sodium, Total	5/5/22 11:50	5/10/22 11:19		1.015	8.56	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: RDA			Preparation Method: EPA 1638					
* Boron, Dissolved	5/5/22 11:28	5/10/22 13:35		1.015	0.557	mg/L	0.030000	0.1015		
* Calcium, Dissolved	5/5/22 11:28	5/10/22 14:33		10.15	52.5	mg/L	0.70035	4.06	RA	
* Iron, Dissolved	5/5/22 11:28	5/10/22 13:35		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	5/5/22 11:28	5/10/22 13:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	5/5/22 11:28	5/10/22 13:35		1.015	20.7	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	5/5/22 11:28	5/10/22 13:35		1	7.75	mg/L				
Silicon, Dissolved	5/5/22 11:28	5/10/22 13:35		1.015	3.62	mg/L	0.02030	0.25375		
* Sodium, Dissolved	5/5/22 11:28	5/10/22 13:35		1.015	7.64	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	5/5/22 08:33	5/5/22 15:29		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.0996	mg/L	0.006090	0.01015	R	
* Arsenic, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.000164	mg/L	0.000081	0.000203	J	
* Barium, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.0230	mg/L	0.000508	0.001015		
* Beryllium, Total	5/5/22 08:33	5/5/22 15:29		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	5/5/22 08:33	5/5/22 15:29		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.000391	mg/L	0.000203	0.001015	J	
* Cobalt, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.0000938	mg/L	0.000068	0.000203	J	
* Lead, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.000099	mg/L	0.000068	0.000203	J	
* Manganese, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.00114	mg/L	0.000152	0.000203		
* Molybdenum, Total	5/5/22 08:33	5/5/22 15:29		1.015	0.0407	mg/L	0.000102	0.000203	R	
* Potassium, Total	5/5/22 08:33	5/5/22 15:29		1.015	2.09	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5 Dup

Location Code: WMWGASAP
Collected: 5/3/22 10:15
Customer ID:
Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08558

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	5/5/22 08:33	5/5/22 15:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	5/5/22 08:33	5/5/22 15:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	0.000110	mg/L	0.000081	0.000203	J
* Barium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	0.0230	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	0.000228	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	0.000220	mg/L	0.000152	0.000203	
* Molybdenum, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	0.0389	mg/L	0.000102	0.000203	
* Potassium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	2.01	mg/L	0.169505	0.5075	
* Selenium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	5/5/22 08:38	5/5/22 17:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	5/5/22 16:13	5/5/22 21:45		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	5/5/22 13:02	5/5/22 13:02		1	0.918	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity, Total as CaCO3	5/16/22 13:38	5/16/22 15:49		1	176	mg/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	5/4/22 13:40	5/5/22 13:41		1	236	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	174	mg/L			
Carbonate Alkalinity, (calc.)	5/16/22 13:38	5/16/22 15:49		1	2.11	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	5/6/22 00:15	5/6/22 00:15		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5 Dup

Location Code: WMWGASAP

Collected: 5/3/22 10:15

Customer ID:

Submittal Date: 5/4/22 08:43

Laboratory ID Number: BC08558

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	5/9/22 11:22	5/9/22 11:22		1	12.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	5/9/22 13:50	5/9/22 13:50		1	0.0656	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	5/17/22 12:18	5/17/22 12:18		1	33.7	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	5/3/22 10:12	5/3/22 10:12			399.87	uS/cm			FA
pH	5/3/22 10:12	5/3/22 10:12			7.01	SU			FA
Temperature	5/3/22 10:12	5/3/22 10:12			20.10	C			FA
Turbidity	5/3/22 10:12	5/3/22 10:12			3.52	NTU			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5 Dup

Laboratory ID Number: BC08558

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Aluminum, Dissolved	mg/L	0.000632	0.010	0.100	0.106	0.108	0.104	0.0850 to 0.115	106	70.0 to 130	1.87	20.0
BC08558	Aluminum, Total	mg/L	0.000714	0.010	0.100	0.135	0.134	0.0985	0.0850 to 0.115	35.4	70.0 to 130	0.743	20.0
BC08558	Antimony, Dissolved	mg/L	0.000337	0.00100	0.100	0.0975	0.0995	0.0946	0.0850 to 0.115	97.5	70.0 to 130	2.03	20.0
BC08558	Antimony, Total	mg/L	0.000426	0.00100	0.100	0.0939	0.0952	0.0932	0.0850 to 0.115	93.9	70.0 to 130	1.37	20.0
BC08558	Arsenic, Dissolved	mg/L	0.000012	0.000176	0.100	0.101	0.101	0.101	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC08558	Arsenic, Total	mg/L	0.0000204	0.000176	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.8	70.0 to 130	0.995	20.0
BC08558	Barium, Dissolved	mg/L	-0.0000074	0.00100	0.100	0.124	0.121	0.104	0.0850 to 0.115	101	70.0 to 130	2.45	20.0
BC08558	Barium, Total	mg/L	-0.0000136	0.00100	0.100	0.119	0.115	0.101	0.0850 to 0.115	96.0	70.0 to 130	3.42	20.0
BC08558	Beryllium, Dissolved	mg/L	0.0000134	0.000880	0.100	0.0984	0.101	0.102	0.0850 to 0.115	98.4	70.0 to 130	2.61	20.0
BC08558	Beryllium, Total	mg/L	0.0000162	0.000880	0.100	0.110	0.106	0.110	0.0850 to 0.115	110	70.0 to 130	3.70	20.0
BC08558	Boron, Dissolved	mg/L	-0.000018	0.0650	1.00	1.57	1.59	1.02	0.850 to 1.15	101	70.0 to 130	1.27	20.0
BC08558	Boron, Total	mg/L	0.000126	0.0650	1.00	1.60	1.60	1.03	0.850 to 1.15	104	70.0 to 130	0.00	20.0
BC08558	Cadmium, Dissolved	mg/L	-0.0000034	0.000147	0.100	0.100	0.101	0.0993	0.0850 to 0.115	100	70.0 to 130	0.995	20.0
BC08558	Cadmium, Total	mg/L	-0.0000002	0.000147	0.100	0.101	0.0980	0.0968	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC08558	Calcium, Dissolved	mg/L	-0.000674	0.152	5.00	57.3	54.2	5.08	4.25 to 5.75	96.0	70.0 to 130	5.56	20.0
BC08558	Calcium, Total	mg/L	0.00406	0.152	5.00	52.8	51.5	4.90	4.25 to 5.75	92.0	70.0 to 130	2.49	20.0
BC08558	Chloride	mg/L	0.213	1.00	10.0	23.0	22.9	9.56	9.00 to 11.0	102	80.0 to 120	0.436	20.0
BC08558	Chromium, Dissolved	mg/L	-0.0000472	0.000440	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC08558	Chromium, Total	mg/L	-0.0000313	0.000440	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC08558	Cobalt, Dissolved	mg/L	-0.0000023	0.000147	0.100	0.104	0.104	0.106	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Cobalt, Total	mg/L	-0.0000027	0.000147	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC08558	Fluoride	mg/L	0.0279	0.125	2.50	2.74	2.72	2.72	2.25 to 2.75	107	80.0 to 120	0.733	20.0
BC08558	Iron, Dissolved	mg/L	0.000159	0.0176	0.2	0.195	0.192	0.202	0.170 to 0.230	97.5	70.0 to 130	1.55	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5 Dup

Laboratory ID Number: BC08558

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC08558	Iron, Total	mg/L	0.000951	0.0176	0.2	0.250	0.265	0.204	0.170 to 0.230	102	70.0 to 130	5.83	20.0
BC08558	Lead, Dissolved	mg/L	0.0000019	0.000147	0.100	0.104	0.104	0.107	0.0850 to 0.115	104	70.0 to 130	0.00	20.0
BC08558	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.103	0.104	0.104	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC08558	Lithium, Dissolved	mg/L	0.00011	0.0154	0.200	0.192	0.189	0.196	0.170 to 0.230	96.0	70.0 to 130	1.57	20.0
BC08558	Lithium, Total	mg/L	-0.000133	0.0154	0.200	0.216	0.214	0.206	0.170 to 0.230	108	70.0 to 130	0.930	20.0
BC08558	Magnesium, Dissolved	mg/L	0.00105	0.0462	5.00	25.6	25.1	5.12	4.25 to 5.75	98.0	70.0 to 130	1.97	20.0
BC08558	Magnesium, Total	mg/L	-0.000079	0.0462	5.00	26.9	26.9	5.19	4.25 to 5.75	104	70.0 to 130	0.00	20.0
BC08558	Manganese, Dissolved	mg/L	0.0000013	0.0002	0.100	0.103	0.105	0.103	0.0850 to 0.115	103	70.0 to 130	1.92	20.0
BC08558	Manganese, Total	mg/L	-0.0000017	0.0002	0.100	0.108	0.106	0.103	0.0850 to 0.115	107	70.0 to 130	1.87	20.0
BC08558	Mercury, Total by CVAA	mg/L	-5.000E-05	0.000500	0.004	0.00388	0.00386	0.00387	0.00340 to 0.00460	97.0	70.0 to 130	0.517	20.0
BC08558	Molybdenum, Dissolved	mg/L	-0.0000007	0.0002	0.100	0.140	0.138	0.105	0.0850 to 0.115	101	70.0 to 130	1.44	20.0
BC08558	Molybdenum, Total	mg/L	0.0000034	0.0002	0.100	0.106	0.103	0.0979	0.0850 to 0.115	65.3	70.0 to 130	2.87	20.0
BC08558	Potassium, Dissolved	mg/L	-0.00791	0.367	10.0	12.3	12.3	10.2	8.50 to 11.5	103	70.0 to 130	0.00	20.0
BC08558	Potassium, Total	mg/L	-0.00103	0.367	10.0	11.0	10.8	10.1	8.50 to 11.5	89.1	70.0 to 130	1.83	20.0
BC08558	Selenium, Dissolved	mg/L	0.0000362	0.00100	0.100	0.102	0.103	0.104	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC08558	Selenium, Total	mg/L	0.000092	0.00100	0.100	0.102	0.0985	0.104	0.0850 to 0.115	102	70.0 to 130	3.49	20.0
BC08558	Silicon, Dissolved	mg/L	-0.000541	0.0440	1.00	4.62	4.60	1.01	0.850 to 1.15	100	70.0 to 130	0.434	20.0
BC08558	Silicon, Total	mg/L	0.000604	0.0440	1.00	4.90	4.99	1.03	0.850 to 1.15	113	70.0 to 130	1.82	20.0
BC08558	Sodium, Dissolved	mg/L	0.000643	0.0660	5.00	12.3	12.0	4.79	4.25 to 5.75	93.2	70.0 to 130	2.47	20.0
BC08558	Sodium, Total	mg/L	0.00146	0.0660	5.00	13.8	13.7	5.15	4.25 to 5.75	105	70.0 to 130	0.727	20.0
BC08558	Sulfate	mg/L	0.0919	2.0	20.0	50.8	49.9	18.1	18.0 to 22.0	85.5	80.0 to 120	1.79	20.0
BC08558	Thallium, Dissolved	mg/L	-0.0000119	0.000147	0.100	0.102	0.101	0.101	0.0850 to 0.115	102	70.0 to 130	0.985	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5 Dup

Laboratory ID Number: BC08558

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC08558	Thallium, Total	mg/L	-0.0000098	0.000147	0.100	0.0993	0.102	0.0995	0.0850 to 0.115	99.3	70.0 to 130	2.68	20.0		
BC08558	Total Organic Carbon	mg/L	0.200	1.00	10.0	10.2	10.6	9.58		102	80.0 to 120	3.85	20.0		

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 5/3/22 10:15

Customer ID:

Delivery Date: 5/4/22 08:43

Description: Gaston Ash Pond - MW-5 Dup

Laboratory ID Number: BC08558

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC08558	Alkalinity, Total as CaCO3	mg/L					182	50.3	45.0 to 55.0			3.35	10.0
BC08558	Nitrogen, Nitrate/Nitrite	mg/L as N	0.05	0.200	2.00	2.81	1.04	1.96	1.80 to 2.20	94.6	90.0 to 110	12.5	15.0
BC08558	Solids, Dissolved	mg/L	1.00	25.0			241	48.0	40.0 to 60.0			2.10	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Definitions

Project Number: WMWGASAP_1360

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
 Lab Complete

Outside Lab

Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
	Collector: Dallas Gentry		Requested By: Greg Dyer
		Location	Gaston 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: NO3/NO2; TOC pH < 2 SU.

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-42	04/19/2022	10:42	7	Groundwater		BC07764
MW-42 dup	04/19/2022	10:42	7	Sample Duplicate		BC07765
MW-38	04/19/2022	12:01	7	Groundwater		BC07766
MW-41	04/19/2022	13:29	7	Groundwater		BC07767
MW-40	04/19/2022	14:33	7	Groundwater		BC07768
MW-39	04/19/2022	15:30	7	Groundwater		BC07769
FB-1	04/19/2022	16:05	5	Field Blank		BC07770
MW-23D	04/20/2022	10:52	7	Groundwater		BC07771
MW-23S	04/20/2022	12:01	7	Groundwater		BC07772
MW-26	04/20/2022	13:36	7	Groundwater		BC07773

Relinquished By	Received By	Date/Time
<i>Mel Dyer</i>	<i>Brianne Cotton</i>	04/21/2022 08:48

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1360	
	Cooler Temp	1.6 °C
	Thermometer ID	7044-38281-2-1
	pH Strip ID	9772-56585-100-7

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	TJ Daugherty	Requested By	Greg Dyer
		Location	Gaston 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 NO3/NO2; TOC pH < 2 SU.

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-20V	04/19/2022	12:25	7	Groundwater		BC07755
MW-20V Dis	04/19/2022	12:25	6	Field Filtered		BC07756
MW-19	04/19/2022	15:45	7	Groundwater		BC07757
MW-20SV	04/20/2022	10:55	7	Groundwater		BC07758
MW-20SV Dup	04/20/2022	10:55	7	Sample Duplicate		BC07759
MW-20	04/20/2022	12:03	7	Groundwater		BC07760
MW-17	04/20/2022	13:38	7	Groundwater		BC07761
MW-17SV	04/20/2022	14:40	7	Groundwater		BC07762
FB-2	04/20/2022	15:15	5	Field Blank		BC07763

Relinquished By	Received By	Date/Time
		04/21/2022 08:48

SmarTroll ID	7586-41444-5-3	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	3901-20009-2-1	
Sample Event	1360	
Cooler Temp	1.5 °C	
Thermometer ID	7044-38281-2-1	
pH Strip ID	9772-56585-100-7	

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	Gaston 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: NO3/NO2; TOC pH < 2 SU TBC 04/28/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-36V	04/26/2022	10:15	7	Groundwater		BC08175
MW-33V	04/26/2022	11:43	7	Groundwater		BC08176
MW-37V	04/26/2022	13:25	7	Groundwater		BC08177
MW-32V	04/26/2022	14:41	7	Groundwater		BC08178
FB-3	04/26/2022	15:30	5	Field Blank		BC08179
MW-34V	04/27/2022	08:55	7	Groundwater		BC08180
MW-35V	04/27/2022	10:24	7	Groundwater		BC08181
MW-31VR	04/27/2022	13:49	7	Groundwater		BC08182

Relinquished By	Received By	Date/Time
<i>Dallas Gentry</i>	<i>Dustin Brooks</i>	04/28/2022 07:51

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1360	
Cooler Temp	2.0 °C	
Thermometer ID	7044-38281-2-1	
pH Strip ID	9772-56585-100-7	

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	TJ Daugherty	Requested By	Greg Dyer
		Location	Gaston 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 NO3/NO2; TOC pH < 2 SU TBC 04/28/22

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-18	04/26/2022	11:30	7	Groundwater		BC08183
MW-17V	04/26/2022	13:22	7	Groundwater		BC08184
MW-29H	04/26/2022	15:30	7	Groundwater		BC08185
MW-16V	04/27/2022	10:25	7	Groundwater		BC08186
MW-16	04/27/2022	12:05	7	Groundwater		BC08187
MW-28H	04/27/2022	13:25	7	Groundwater		BC08188
MW-28H Dup	04/27/2022	13:25	7	Sample Duplicate		BC08189
MW-14	04/27/2022	15:15	7	Groundwater		BC08190
FB-4	04/27/2022	16:00	5	Field Blank		BC08191

Relinquished By	Received By	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	04/28/2022 07:51

SmarTroll ID	7586-41446-5-5	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	4677-23342-4-1	
Sample Event	1360	
Cooler Temp	1.9 °C	
Thermometer ID	7044-38281-2-1	
pH Strip ID	8206-45802-10-6	



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: Gaston 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: NO3/NO2, TOC pH <2 SU. RJ 5/4/2022

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-30H	05/02/2022	10:18	7	Groundwater		BC08553
MW-15R	05/02/2022	11:48	7	Groundwater		BC08554
MW-4	05/02/2022	14:13	7	Groundwater		BC08555
MW-3	05/03/2022	08:45	7	Groundwater		BC08556
MW-5	05/03/2022	10:15	7	Groundwater		BC08557
MW-5 dup	05/03/2022	10:15	7	Sample Duplicate		BC08558

Relinquished By	Received By	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	05/04/2022 08:17

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>	
Turbidity ID	3901-20010-2-2		
Sample Event	1360	Cooler Temp	1.6 °C
		Thermometer ID	7044-38281-2-1
		pH Strip ID	9772-56585-100-7

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 Results To
Collector Requested By
Location

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

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-8	05/02/2022	10:20	7	Groundwater		BC08539
MW-9	05/02/2022	12:10	7	Groundwater		BC08540
MW-10	05/02/2022	14:15	7	Groundwater		BC08541
MW-11	05/02/2022	16:05	7	Groundwater		BC08542
MW-7	05/03/2022	09:55	7	Groundwater		BC08543
MW-6	05/03/2022	11:00	7	Groundwater		BC08544
MW-21	05/03/2022	12:10	7	Groundwater		BC08545
MW-22	05/03/2022	13:20	7	Groundwater		BC08546
EB-1	05/03/2022	13:45	5	Equipment Blank		BC08547

Relinquished By <i>HAB</i>	Received By <i>Rene Jones</i>	Date/Time 05/04/2022 08:11

SmarTroll ID
Turbidity ID
Sample Event

All metals and radiological bottles have pH < 2
Cooler Temp
Thermometer ID
pH Strip ID

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	Anthony Goggins	Requested By	Greg Dyer
		Location	Gaston 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	NO3/NO2, TOC pH <2 SU. RJ 5/4/2022
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Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-27	05/02/2022	10:24	7	Groundwater		BC08548
MW-27DUP	05/02/2022	10:24	7	Sample Duplicate		BC08549
FB-5	05/02/2022	10:40	5	Field Blank		BC08550
MW-13	05/02/2022	15:12	7	Groundwater		BC08551
MW-12	05/03/2022	10:10	7	Groundwater		BC08552

Relinquished By	Received By	Date/Time
<i>Anthony Goggins</i>	<i>Bushie Cotton</i>	05/04/2022 08:25

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>	
Turbidity ID	4677-23343-4-2		
Sample Event	1360		
Cooler Temp	1.5 °C		
		Thermometer ID	7044-38281-2-1
		pH Strip ID	9772-56585-100-7

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	Gaston Ash Pond

Bottles	1 Radium	1 L	3 N/A	N/A	5 N/A	N/A	7 N/A	N/A
	2 N/A	N/A	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: Radium MS/MSD collected at MW-38

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-42	04/19/2022	10:42	1	Groundwater		BC07783
MW-42 dup	04/19/2022	10:42	1	Sample Duplicate		BC07784
MW-38	04/19/2022	12:01	3	Groundwater		BC07785
MW-41	04/19/2022	13:29	1	Groundwater		BC07786
MW-40	04/19/2022	14:33	1	Groundwater		BC07787
MW-39	04/19/2022	15:30	1	Groundwater		BC07788
FB-1	04/19/2022	16:05	1	Field Blank		BC07789
MW-23D	04/20/2022	10:52	1	Groundwater		BC07790
MW-23S	04/20/2022	12:01	1	Groundwater		BC07791
MW-26	04/20/2022	13:36	1	Groundwater		BC07792

Relinquished By	Received By	Date/Time
<i>M. Dyer</i>	<i>Bushie Cotton</i>	04/21/2022 08:48

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1360	
Cooler Temp	N/A	
Thermometer ID	N/A	
pH Strip ID	9772-56585-100-7	

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: TJ Daugherty		Requested By
		Location	Gaston Ash Pond

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Rad MS/MSD collected @ MW-17

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-20V	04/19/2022	12:25	1	Groundwater		BC07774
MW-20V Dis	04/19/2022	12:25	1	Field Filtered		BC07775
MW-19	04/19/2022	15:45	1	Groundwater		BC07776
MW-20SV	04/20/2022	10:55	1	Groundwater		BC07777
MW-20SV Dup	04/20/2022	10:55	1	Sample Duplicate		BC07778
MW-20	04/20/2022	12:03	1	Groundwater		BC07779
MW-17	04/20/2022	13:38	3	Groundwater		BC07780
MW-17SV	04/20/2022	14:40	1	Groundwater		BC07781
FB-2	04/20/2022	15:15	1	Field Blank		BC07782

Relinquished By	Received By	Date/Time
<i>HAB</i>	<i>Brian Carlson</i>	04/21/2022 08:48

SmarTroll ID	7586-41444-5-3	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>	
Turbidity ID	3901-20009-2-1		
Sample Event	1360		
		Cooler Temp	N/A
		Thermometer ID	N/A
		pH Strip ID	9772-56585-100-7

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	Gaston Ash Pond	

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-36V	04/26/2022	10:15	1	Groundwater		BC08192
MW-33V	04/26/2022	11:43	1	Groundwater		BC08193
MW-37V	04/26/2022	13:25	1	Groundwater		BC08194
MW-32V	04/26/2022	14:41	1	Groundwater		BC08195
FB-3	04/26/2022	15:30	1	Field Blank		BC08196
MW-34V	04/27/2022	08:55	1	Groundwater		BC08197
MW-35V	04/27/2022	10:24	1	Groundwater		BC08198
MW-31VR	04/27/2022	13:49	1	Groundwater		BC08199

Relinquished By	Received By	Date/Time
<i>M. Dyer</i>	<i>Bushie Cotton</i>	04/28/2022 07:51

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>	
Turbidity ID	3901-20010-2-2		
Sample Event	1360		
		Cooler Temp	N/A
		Thermometer ID	N/A
		pH Strip ID	9772-56585-100-7

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: TJ Daugherty		Requested By	Greg Dyer
				Location

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-18	04/26/2022	11:30	1	Groundwater		BC08200
MW-17V	04/26/2022	13:22	1	Groundwater		BC08201
MW-29H	04/26/2022	15:30	1	Groundwater		BC08202
MW-16V	04/27/2022	10:25	1	Groundwater		BC08203
MW-16	04/27/2022	12:05	1	Groundwater		BC08204
MW-28H	04/27/2022	13:25	1	Groundwater		BC08205
MW-28H Dup	04/27/2022	13:25	1	Sample Duplicate		BC08206
MW-14	04/27/2022	15:15	1	Groundwater		BC08207
FB-4	04/27/2022	16:00	1	Field Blank		BC08208

Relinquished By	Received By	Date/Time
		04/28/2022 07:51

SmarTroll ID	7586-41446-5-5	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	4677-23342-4-1	
Sample Event	1360	
	Cooler Temp	N/A
	Thermometer ID	N/A
	pH Strip ID	8206-45802-10-6



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
		Location	Gaston Ash Pond

Bottles	1 Radium	1 L	3 N/A	N/A	5 N/A	N/A	7 N/A	N/A
	2 N/A	N/A	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: Rad MS/MSD collected @ MW-6

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-8	05/02/2022	10:20	1	Groundwater		BC08559
MW-9	05/02/2022	12:10	1	Groundwater		BC08560
MW-10	05/02/2022	14:15	1	Groundwater		BC08561
MW-11	05/02/2022	16:05	1	Groundwater		BC08562
MW-7	05/03/2022	09:55	1	Groundwater		BC08563
MW-6	05/03/2022	11:00	3	Groundwater		BC08564
MW-21	05/03/2022	12:10	1	Groundwater		BC08565
MW-22	05/03/2022	13:20	1	Groundwater		BC08566
EB-1	05/03/2022	13:45	1	Equipment Blank		BC08567

Relinquished By	Received By	Date/Time
<i>HAB</i>	<i>Rene Jones</i>	05/04/2022 08:11

SmarTroll ID	7586-41446-5-5	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>	
Turbidity ID	4677-23342-4-1		
Sample Event	1360		
		Cooler Temp	N/A
		Thermometer ID	N/A
		pH Strip ID	9772-56585-100-7

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	Gaston Ash Pond

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-30H	05/02/2022	10:18	1	Groundwater		BC08573
MW-15R	05/02/2022	11:48	1	Groundwater		BC08574
MW-4	05/02/2022	14:13	1	Groundwater		BC08575
MW-3	05/03/2022	08:45	1	Groundwater		BC08576
MW-5	05/03/2022	10:15	1	Groundwater		BC08577
MW-5 dup	05/03/2022	10:15	1	Sample Duplicate		BC08578

Relinquished By	Received By	Date/Time
<i>M. Dyer</i>	<i>Breche Carter</i>	05/04/2022 08:17

SmarTroll ID	7586-41443-5-2	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1360	
Cooler Temp	N/A	
Thermometer ID	N/A	
pH Strip ID	9772-56585-100-7	

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: Anthony Goggins		Requested By: Greg Dyer
		Location	Gaston Ash Pond

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-27	05/02/2022	10:24	1	Groundwater		BC08568
MW-27DUP	05/02/2022	10:24	1	Sample Duplicate		BC08569
FB-5	05/02/2022	10:40	1	Field Blank		BC08570
MW-13	05/02/2022	15:12	1	Groundwater		BC08571
MW-12	05/03/2022	10:10	1	Groundwater		BC08572

Relinquished By	Received By	Date/Time
<i>Anthony Goggins</i>	<i>Burt Gator</i>	05/04/2022 08:25

SmarTroll ID	7586-41442-5-1	All metals and radiological bottles have pH < 2 <input checked="" type="checkbox"/>		
Turbidity ID	4677-23343-		Cooler Temp	N/A
Sample Event	1360		Thermometer ID	N/A
			pH Strip ID	9772-56585-100-7

Bottles/Pre-Preserved Bottles are provided by the GTL

July 05, 2022

Brooke Caton
Alabama Power
744 Highway 87
Calera, AL 35040

RE: Project: WMWGASAP_1360
Pace Project No.: 30487979

Dear Brooke Caton:

Enclosed are the analytical results for sample(s) received by the laboratory on May 09, 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

(Greensburg, PA) - Revision 1 - This report replaces the 6/21/22 report. This project was revised on 7/5/22 in order to correct sample times.

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WMWGASAP_1360
Pace Project No.: 30487979

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30487979001	BC07774 MW-20V	Water	04/19/22 12:25	05/09/22 09:30
30487979002	BC07775 MW-20V Dis	Water	04/19/22 12:25	05/09/22 09:30
30487979003	BC07776 MW-19	Water	04/19/22 15:45	05/09/22 09:30
30487979004	BC07777 MW-20SV	Water	04/20/22 10:55	05/09/22 09:30
30487979005	BC07778 MW-20SV Dup	Water	04/20/22 10:55	05/09/22 09:30
30487979006	BC07779 MW-20	Water	04/20/22 12:03	05/09/22 09:30
30487979007	BC07780 MW-17	Water	04/20/22 13:38	05/09/22 09:30
30487979008	BC07780 MW-17 MS	Water	04/20/22 13:38	05/09/22 09:30
30487979009	BC07780 MW-17 MSD	Water	04/20/22 13:38	05/09/22 09:30
30487979010	BC07781 MW-17SV	Water	04/20/22 14:40	05/09/22 09:30
30487979011	BC07782 FB-2	Water	04/20/22 15:15	05/09/22 09:30
30487979012	BC07783 MW-42	Water	04/19/22 10:42	05/09/22 09:30
30487979013	BC07784 MW-42 Dup	Water	04/19/22 10:42	05/09/22 09:30
30487979014	BC07785 MW-38	Water	04/19/22 12:01	05/09/22 09:30
30487979015	BC07785 MW-38 MS	Water	04/19/22 12:01	05/09/22 09:30
30487979016	BC07785 MW-38 MSD	Water	04/19/22 12:01	05/09/22 09:30
30487979017	BC07786 MW-41	Water	04/19/22 13:29	05/09/22 09:30
30487979018	BC07787 MW-40	Water	04/19/22 14:33	05/09/22 09:30
30487979019	BC07788 MW-39	Water	04/19/22 15:30	05/09/22 09:30
30487979020	BC07789 FB-1	Water	04/19/22 16:05	05/09/22 09:30
30487979021	BC07790 MW-23D	Water	04/20/22 10:52	05/09/22 09:30
30487979022	BC07791 MW-23S	Water	04/20/22 12:01	05/09/22 09:30
30487979023	BC07792 MW-26	Water	04/20/22 13:36	05/09/22 09:30
30487979024	BC08192 MW-36V	Water	04/26/22 10:15	05/09/22 09:30
30487979025	BC08193 MW-33V	Water	04/26/22 11:43	05/09/22 09:30
30487979026	BC08194 MW-37V	Water	04/26/22 13:25	05/09/22 09:30
30487979027	BC08195 MW-32V	Water	04/26/22 14:41	05/09/22 09:30
30487979028	BC08196 FB-3	Water	04/26/22 15:30	05/09/22 09:30
30487979029	BC08197 MW-34V	Water	04/27/22 08:55	05/09/22 09:30
30487979030	BC08198 MW-35V	Water	04/27/22 10:24	05/09/22 09:30
30487979031	BC08199 MW-31VR	Water	04/27/22 13:49	05/09/22 09:30
30487979032	BC08200 MW-18	Water	04/26/22 11:30	05/09/22 09:30
30487979033	BC08201 MW-17V	Water	04/26/22 13:22	05/09/22 09:30
30487979034	BC08202 MW-29H	Water	04/26/22 15:30	05/09/22 09:30
30487979035	BC08203 MW-16V	Water	04/27/22 10:25	05/09/22 09:30
30487979036	BC08204 MW-16	Water	04/27/22 12:05	05/09/22 09:30
30487979037	BC08205 MW-28H	Water	04/27/22 13:25	05/09/22 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30487979038	BC08206 MW-28H Dup	Water	04/27/22 13:25	05/09/22 09:30
30487979039	BC08207 MW-14	Water	04/27/22 15:15	05/09/22 09:30
30487979040	BC08208 FB-4	Water	04/27/22 16:00	05/09/22 09:30
30487979041	BC08559 MW-8	Water	05/02/22 10:20	05/09/22 09:30
30487979042	BC08560 MW-9	Water	05/02/22 12:10	05/09/22 09:30
30487979043	BC08561 MW-10	Water	05/02/22 14:15	05/09/22 09:30
30487979044	BC08562 MW-11	Water	05/02/22 16:05	05/09/22 09:30
30487979045	BC08563 MW-7	Water	05/03/22 09:55	05/09/22 09:30
30487979046	BC08564 MW-6	Water	05/03/22 11:00	05/09/22 09:30
30487979047	BC08564 MW-6 MS	Water	05/03/22 11:00	05/09/22 09:30
30487979048	BC08564 MW-6 MSD	Water	05/03/22 11:00	05/09/22 09:30
30487979049	BC08565 MW-21	Water	05/03/22 12:10	05/09/22 09:30
30487979050	BC08566 MW-22	Water	05/03/22 13:20	05/09/22 09:30
30487979051	BC08567 EB-1	Water	05/03/22 13:45	05/09/22 09:30
30487979052	BC08568 MW-27	Water	05/02/22 10:24	05/09/22 09:30
30487979053	BC08569 MW-27 Dup	Water	05/02/22 10:24	05/09/22 09:30
30487979054	BC08570 FB-5	Water	05/02/22 10:40	05/09/22 09:30
30487979055	BC08571 MW-13	Water	05/02/22 15:12	05/09/22 09:30
30487979056	BC08572 MW-12	Water	05/03/22 10:10	05/09/22 09:30
30487979057	BC08573 MW-30H	Water	05/02/22 10:18	05/09/22 09:30
30487979058	BC08574 MW-15R	Water	05/02/22 11:48	05/09/22 09:30
30487979059	BC08575 MW-4	Water	05/02/22 14:13	05/09/22 09:30
30487979060	BC08576 MW-3	Water	05/03/22 08:45	05/09/22 09:30
30487979061	BC08577 MW-5	Water	05/03/22 10:15	05/09/22 09:30
30487979062	BC08578 MW-5 Dup	Water	05/03/22 10:15	05/09/22 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1360
Pace Project No.: 30487979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30487979001	BC07774 MW-20V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979002	BC07775 MW-20V Dis	EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979003	BC07776 MW-19	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979004	BC07777 MW-20SV	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979005	BC07778 MW-20SV Dup	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979006	BC07779 MW-20	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979007	BC07780 MW-17	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979008	BC07780 MW-17 MS	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30487979009	BC07780 MW-17 MSD	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30487979010	BC07781 MW-17SV	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979011	BC07782 FB-2	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979012	BC07783 MW-42	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979013	BC07784 MW-42 Dup	EPA 9315	JC2	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: WMWGASAP_1360
Pace Project No.: 30487979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30487979014	BC07785 MW-38	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979015	BC07785 MW-38 MS	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30487979016	BC07785 MW-38 MSD	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30487979017	BC07786 MW-41	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979018	BC07787 MW-40	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979019	BC07788 MW-39	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979020	BC07789 FB-1	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979021	BC07790 MW-23D	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979022	BC07791 MW-23S	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979023	BC07792 MW-26	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979024	BC08192 MW-36V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979025	BC08193 MW-33V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979026	BC08194 MW-37V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1360
Pace Project No.: 30487979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30487979027	BC08195 MW-32V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979028	BC08196 FB-3	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979029	BC08197 MW-34V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979030	BC08198 MW-35V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979031	BC08199 MW-31VR	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979032	BC08200 MW-18	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979033	BC08201 MW-17V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979034	BC08202 MW-29H	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979035	BC08203 MW-16V	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979036	BC08204 MW-16	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979037	BC08205 MW-28H	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979038	BC08206 MW-28H Dup	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979039	BC08207 MW-14	EPA 9315	JC2	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1360
Pace Project No.: 30487979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979040	BC08208 FB-4	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979041	BC08559 MW-8	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979042	BC08560 MW-9	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979043	BC08561 MW-10	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979044	BC08562 MW-11	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979045	BC08563 MW-7	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979046	BC08564 MW-6	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979047	BC08564 MW-6 MS	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30487979048	BC08564 MW-6 MSD	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30487979049	BC08565 MW-21	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979050	BC08566 MW-22	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979051	BC08567 EB-1	EPA 9315	JC2	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30487979052	BC08568 MW-27	EPA 9315	JC2	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1360
Pace Project No.: 30487979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30487979053	BC08569 MW-27 Dup	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979054	BC08570 FB-5	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979055	BC08571 MW-13	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979056	BC08572 MW-12	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979057	BC08573 MW-30H	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979058	BC08574 MW-15R	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979059	BC08575 MW-4	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979060	BC08576 MW-3	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979061	BC08577 MW-5	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA
30487979062	BC08578 MW-5 Dup	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JC2	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Method: EPA 903.1

Description: 903.1 Radium 226, Dissolved

Client: Alabama Power

Date: July 05, 2022

General Information:

1 sample was analyzed for EPA 903.1 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Method: EPA 904.0

Description: 904.0 Radium 228, Dissolved

Client: Alabama Power

Date: July 05, 2022

General Information:

1 sample was analyzed for EPA 904.0 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Method: EPA 9315

Description: 9315 Total Radium

Client: Alabama Power

Date: July 05, 2022

General Information:

61 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1360
Pace Project No.: 30487979

Method: EPA 9320
Description: 9320 Radium 228
Client: Alabama Power
Date: July 05, 2022

General Information:

61 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Alabama Power

Date: July 05, 2022

General Information:

56 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.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07774 MW-20V **Lab ID: 30487979001** Collected: 04/19/22 12:25 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	3.06 ± 0.785 (0.567) C:79% T:NA	pCi/L	06/02/22 07:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.205U ± 0.392 (0.861) C:78% T:90%	pCi/L	05/24/22 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	3.27 ± 1.18 (1.43)	pCi/L	06/17/22 13:03	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07775 MW-20V Dis **Lab ID: 30487979002** Collected: 04/19/22 12:25 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226, Dissolved	EPA 903.1	2.14 ± 0.762 (0.171) C:NA T:89%	pCi/L	06/15/22 14:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228, Dissolved	EPA 904.0	0.292U ± 0.673 (1.49) C:66% T:79%	pCi/L	06/14/22 17:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.43 ± 1.44 (1.66)	pCi/L	06/16/22 18:00	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07776 MW-19 **Lab ID: 30487979003** Collected: 04/19/22 15:45 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.349 ± 0.220 (0.316) C:96% T:NA	pCi/L	06/02/22 07:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.311U ± 0.513 (1.12) C:72% T:88%	pCi/L	05/24/22 12:05	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.660U ± 0.733 (1.44)	pCi/L	06/17/22 13:03	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07777 MW-20SV **Lab ID: 30487979004** Collected: 04/20/22 10:55 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.23 ± 0.441 (0.448) C:98% T:NA	pCi/L	06/02/22 07:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.04 ± 0.555 (1.03) C:76% T:86%	pCi/L	05/24/22 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.27 ± 0.996 (1.48)	pCi/L	06/17/22 13:03	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07778 MW-20SV Dup **Lab ID: 30487979005** Collected: 04/20/22 10:55 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.77 ± 0.532 (0.409) C:99% T:NA	pCi/L	06/02/22 07:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.922U ± 0.570 (1.08) C:79% T:88%	pCi/L	05/24/22 15:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.69 ± 1.10 (1.49)	pCi/L	06/17/22 13:03	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07779 MW-20 **Lab ID: 30487979006** Collected: 04/20/22 12:03 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.226 ± 0.127 (0.162) C:96% T:NA	pCi/L	06/02/22 07:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.26 ± 0.602 (1.04) C:78% T:91%	pCi/L	05/24/22 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.49 ± 0.729 (1.20)	pCi/L	06/17/22 13:14	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07780 MW-17 **Lab ID: 30487979007** Collected: 04/20/22 13:38 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.275U ± 0.213 (0.346) C:101% T:NA	pCi/L	06/02/22 07:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.848U ± 0.582 (1.12) C:76% T:85%	pCi/L	05/24/22 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.12U ± 0.795 (1.47)	pCi/L	06/17/22 13:14	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07780 MW-17 MS **Lab ID: 30487979008** Collected: 04/20/22 13:38 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • MS for sample 007

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	95.24 %REC ± NA (NA) C:NA T:NA	pCi/L	06/02/22 07:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	102.59 %REC ± NA (NA) C:NA T:NA	pCi/L	05/24/22 15:19	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07780 MW-17 MSD **Lab ID: 30487979009** Collected: 04/20/22 13:38 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • MSD for sample 007

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	100.39 %REC 5.27RPD ± NA (NA) C:NA T:NA	pCi/L	06/02/22 07:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	95.91 %REC 6.73 RPD ± NA (NA) C:NA T:NA	pCi/L	05/24/22 15:19	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07781 MW-17SV **Lab ID: 30487979010** Collected: 04/20/22 14:40 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.681 ± 0.305 (0.357) C:99% T:NA	pCi/L	06/02/22 07:09	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.04U ± 0.595 (1.09) C:70% T:94%	pCi/L	05/24/22 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.72 ± 0.900 (1.45)	pCi/L	06/17/22 13:14	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07782 FB-2 **Lab ID: 30487979011** Collected: 04/20/22 15:15 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.129U ± 0.150 (0.296) C:103% T:NA	pCi/L	06/02/22 07:09	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.645U ± 0.551 (1.11) C:76% T:83%	pCi/L	05/24/22 15:19	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.774U ± 0.701 (1.41)	pCi/L	06/17/22 13:14	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07783 MW-42 **Lab ID: 30487979012** Collected: 04/19/22 10:42 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.238U ± 0.175 (0.277) C:102% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.615 ± 0.335 (0.598) C:79% T:94%	pCi/L	06/02/22 11:47	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.853U ± 0.510 (0.875)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07784 MW-42 Dup **Lab ID: 30487979013** Collected: 04/19/22 10:42 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.133U ± 0.172 (0.358) C:99% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.414U ± 0.338 (0.662) C:64% T:89%	pCi/L	06/02/22 11:47	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.547U ± 0.510 (1.02)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07785 MW-38 **Lab ID: 30487979014** Collected: 04/19/22 12:01 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0240U ± 0.191 (0.515) C:97% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.0115U ± 0.251 (0.590) C:83% T:95%	pCi/L	06/02/22 11:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.0240U ± 0.442 (1.11)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07785 MW-38 MS **Lab ID: 30487979015** Collected: 04/19/22 12:01 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	91.19 %REC ± NA (NA) C:NA T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	93.80 %REC ± NA (NA) C:NA T:NA	pCi/L	06/02/22 11:47	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07785 MW-38 MSD **Lab ID: 30487979016** Collected: 04/19/22 12:01 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	88.88 %REC 2.56RPD ± 2.67 (NA) C:NA T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	107.58 %REC 13.69RPD ± NA (NA) C:NA T:NA	pCi/L	06/02/22 11:47	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07786 MW-41 **Lab ID: 30487979017** Collected: 04/19/22 13:29 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.151U ± 0.210 (0.455) C:94% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.241U ± 0.315 (0.671) C:73% T:91%	pCi/L	06/02/22 11:47	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.392U ± 0.525 (1.13)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07787 MW-40 **Lab ID: 30487979018** Collected: 04/19/22 14:33 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0912U ± 0.166 (0.377) C:89% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.364U ± 0.320 (0.644) C:73% T:92%	pCi/L	06/02/22 11:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.455U ± 0.486 (1.02)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07788 MW-39 **Lab ID: 30487979019** Collected: 04/19/22 15:30 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.283U ± 0.200 (0.313) C:97% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.741 ± 0.366 (0.611) C:71% T:90%	pCi/L	06/02/22 11:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.02 ± 0.566 (0.924)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BC07789 FB-1 Lab ID: 30487979020 Collected: 04/19/22 16:05 Received: 05/09/22 09:30 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.139U ± 0.194 (0.412) C:78% T:NA	pCi/L	05/31/22 08:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.266U ± 0.285 (0.591) C:75% T:97%	pCi/L	06/02/22 11:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.405U ± 0.479 (1.00)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07790 MW-23D **Lab ID: 30487979021** Collected: 04/20/22 10:52 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.176U ± 0.234 (0.502) C:90% T:NA	pCi/L	05/31/22 08:26	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.581U ± 0.332 (0.593) C:77% T:91%	pCi/L	06/02/22 14:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.757U ± 0.566 (1.10)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07791 MW-23S **Lab ID: 30487979022** Collected: 04/20/22 12:01 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.206U ± 0.225 (0.451) C:82% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.213U ± 0.315 (0.679) C:78% T:91%	pCi/L	06/02/22 14:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.419U ± 0.540 (1.13)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC07792 MW-26 **Lab ID: 30487979023** Collected: 04/20/22 13:36 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0228U ± 0.146 (0.416) C:92% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.111U ± 0.296 (0.717) C:78% T:87%	pCi/L	06/02/22 14:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.000U ± 0.442 (1.13)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08192 MW-36V **Lab ID: 30487979024** Collected: 04/26/22 10:15 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.527 ± 0.254 (0.290) C:92% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.795 ± 0.405 (0.705) C:75% T:87%	pCi/L	06/02/22 14:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.32 ± 0.659 (0.995)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08193 MW-33V **Lab ID: 30487979025** Collected: 04/26/22 11:43 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.467 ± 0.273 (0.398) C:88% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.744 ± 0.391 (0.680) C:73% T:86%	pCi/L	06/02/22 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.21 ± 0.664 (1.08)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08194 MW-37V **Lab ID: 30487979026** Collected: 04/26/22 13:25 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	2.92 ± 0.705 (0.379) C:84% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.49 ± 0.497 (0.669) C:79% T:89%	pCi/L	06/02/22 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	4.41 ± 1.20 (1.05)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08195 MW-32V **Lab ID: 30487979027** Collected: 04/26/22 14:41 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.813 ± 0.372 (0.505) C:88% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.02 ± 0.425 (0.669) C:77% T:87%	pCi/L	06/02/22 14:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.83 ± 0.797 (1.17)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360
Pace Project No.: 30487979

Sample: BC08196 FB-3 **Lab ID: 30487979028** Collected: 04/26/22 15:30 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.104U ± 0.160 (0.348) C:81% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.0652U ± 0.278 (0.639) C:71% T:89%	pCi/L	06/02/22 14:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.169U ± 0.438 (0.987)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08197 MW-34V **Lab ID: 30487979029** Collected: 04/27/22 08:55 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.342U ± 0.238 (0.395) C:108% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.873 ± 0.450 (0.780) C:71% T:80%	pCi/L	06/02/22 14:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.22 ± 0.688 (1.18)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08198 MW-35V **Lab ID: 30487979030** Collected: 04/27/22 10:24 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0279U ± 0.155 (0.406) C:93% T:NA	pCi/L	05/31/22 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.976 ± 0.414 (0.647) C:72% T:90%	pCi/L	06/02/22 14:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.00U ± 0.569 (1.05)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08199 MW-31VR **Lab ID: 30487979031** Collected: 04/27/22 13:49 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.276U ± 0.188 (0.279) C:102% T:NA	pCi/L	05/31/22 10:32	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.459U ± 0.356 (0.702) C:73% T:90%	pCi/L	06/02/22 14:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.735U ± 0.544 (0.981)	pCi/L	06/09/22 13:48	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08200 MW-18 **Lab ID: 30487979032** Collected: 04/26/22 11:30 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.843 ± 0.314 (0.365) C:98% T:NA	pCi/L	06/17/22 08:44	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.495U ± 0.317 (0.596) C:81% T:95%	pCi/L	06/07/22 12:07	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.34 ± 0.631 (0.961)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08201 MW-17V **Lab ID: 30487979033** Collected: 04/26/22 13:22 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	9.06 ± 1.56 (0.277) C:99% T:NA	pCi/L	06/17/22 08:44	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	2.55 ± 0.670 (0.621) C:73% T:95%	pCi/L	06/07/22 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	11.6 ± 2.23 (0.898)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08202 MW-29H **Lab ID: 30487979034** Collected: 04/26/22 15:30 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	14.4 ± 2.40 (0.352) C:95% T:NA	pCi/L	06/17/22 08:44	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	3.49 ± 0.821 (0.667) C:80% T:92%	pCi/L	06/07/22 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	17.9 ± 3.22 (1.02)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08203 MW-16V **Lab ID: 30487979035** Collected: 04/27/22 10:25 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.30 ± 0.387 (0.281) C:98% T:NA	pCi/L	06/17/22 08:44	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.26 ± 0.432 (0.584) C:78% T:96%	pCi/L	06/07/22 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.56 ± 0.819 (0.865)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08204 MW-16 **Lab ID: 30487979036** Collected: 04/27/22 12:05 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	3.38 ± 0.704 (0.215) C:100% T:NA	pCi/L	06/17/22 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.947 ± 0.392 (0.624) C:78% T:96%	pCi/L	06/07/22 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	4.33 ± 1.10 (0.839)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08205 MW-28H **Lab ID: 30487979037** Collected: 04/27/22 13:25 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	4.63 ± 0.934 (0.332) C:92% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.22 ± 0.406 (0.536) C:83% T:97%	pCi/L	06/07/22 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	5.85 ± 1.34 (0.868)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08206 MW-28H Dup **Lab ID: 30487979038** Collected: 04/27/22 13:25 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	5.56 ± 1.06 (0.314) C:100% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.955 ± 0.340 (0.461) C:81% T:104%	pCi/L	06/07/22 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	6.52 ± 1.40 (0.775)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08207 MW-14 **Lab ID: 30487979039** Collected: 04/27/22 15:15 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.301 ± 0.182 (0.264) C:92% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.452U ± 0.295 (0.554) C:82% T:97%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.753U ± 0.477 (0.818)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08208 FB-4 **Lab ID: 30487979040** Collected: 04/27/22 16:00 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0679U ± 0.117 (0.261) C:95% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.156U ± 0.276 (0.604) C:78% T:99%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.224U ± 0.393 (0.865)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08559 MW-8 **Lab ID: 30487979041** Collected: 05/02/22 10:20 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.000U ± 0.118 (0.321) C:97% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.465U ± 0.288 (0.534) C:83% T:97%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.465U ± 0.406 (0.855)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08560 MW-9 **Lab ID: 30487979042** Collected: 05/02/22 12:10 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.628 ± 0.249 (0.234) C:98% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.263U ± 0.282 (0.587) C:76% T:100%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.891 ± 0.531 (0.821)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08561 MW-10 **Lab ID: 30487979043** Collected: 05/02/22 14:15 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.125U ± 0.131 (0.251) C:98% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.224U ± 0.238 (0.492) C:77% T:105%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.349U ± 0.369 (0.743)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08562 MW-11 **Lab ID: 30487979044** Collected: 05/02/22 16:05 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0353U ± 0.0858 (0.207) C:97% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.320U ± 0.250 (0.484) C:79% T:96%	pCi/L	06/07/22 12:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.355U ± 0.336 (0.691)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08563 MW-7 **Lab ID: 30487979045** Collected: 05/03/22 09:55 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.125U ± 0.134 (0.263) C:98% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.471U ± 0.294 (0.534) C:73% T:96%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.596U ± 0.428 (0.797)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08564 MW-6 **Lab ID: 30487979046** Collected: 05/03/22 11:00 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.223 ± 0.153 (0.217) C:96% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.255U ± 0.275 (0.570) C:76% T:96%	pCi/L	06/07/22 12:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.478U ± 0.428 (0.787)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08564 MW-6 MS **Lab ID: 30487979047** Collected: 05/03/22 11:00 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	102.92 %REC ± NA (NA) C:NA T:NA	pCi/L	06/17/22 09:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	80.00 %REC ± NA (NA) C:NA T:NA	pCi/L	06/07/22 12:08	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08564 MW-6 MSD **Lab ID: 30487979048** Collected: 05/03/22 11:00 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	100.45 %REC 2.43RPD ± NA (NA) C:NA T:NA	pCi/L	06/17/22 09:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	75.42 %REC 5.90 RPD ± NA (NA) C:NA T:NA	pCi/L	06/07/22 12:08	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08565 MW-21 **Lab ID: 30487979049** Collected: 05/03/22 12:10 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0204U ± 0.113 (0.297) C:89% T:NA	pCi/L	06/17/22 09:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.415U ± 0.317 (0.623) C:75% T:100%	pCi/L	06/07/22 12:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.435U ± 0.430 (0.920)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08566 MW-22 **Lab ID: 30487979050** Collected: 05/03/22 13:20 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.201U ± 0.175 (0.327) C:96% T:NA	pCi/L	06/17/22 09:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.416U ± 0.271 (0.498) C:78% T:96%	pCi/L	06/07/22 12:09	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.617U ± 0.446 (0.825)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08567 EB-1 **Lab ID: 30487979051** Collected: 05/03/22 13:45 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	-0.00596U ± 0.0882 (0.258) C:104% T:NA	pCi/L	06/17/22 09:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	-0.0229U ± 0.224 (0.535) C:77% T:101%	pCi/L	06/07/22 12:09	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.000U ± 0.312 (0.793)	pCi/L	06/17/22 16:13	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08568 MW-27 **Lab ID: 30487979052** Collected: 05/02/22 10:24 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0156U ± 0.132 (0.362) C:91% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.289U ± 0.373 (0.794) C:65% T:97%	pCi/L	06/06/22 14:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.305U ± 0.505 (1.16)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08569 MW-27 Dup **Lab ID: 30487979053** Collected: 05/02/22 10:24 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0933U ± 0.170 (0.386) C:96% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.241U ± 0.416 (0.887) C:49% T:98%	pCi/L	06/06/22 14:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.334U ± 0.586 (1.27)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08570 FB-5 **Lab ID: 30487979054** Collected: 05/02/22 10:40 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0391U ± 0.112 (0.367) C:98% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.136U ± 0.381 (0.887) C:64% T:88%	pCi/L	06/06/22 14:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.000U ± 0.493 (1.25)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08571 MW-13 **Lab ID: 30487979055** Collected: 05/02/22 15:12 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.234U ± 0.209 (0.370) C:98% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.178U ± 0.351 (0.775) C:62% T:98%	pCi/L	06/06/22 14:19	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.412U ± 0.560 (1.15)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08572 MW-12 **Lab ID: 30487979056** Collected: 05/03/22 10:10 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.663 ± 0.293 (0.335) C:96% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.422U ± 0.429 (0.879) C:52% T:96%	pCi/L	06/06/22 14:20	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.09U ± 0.722 (1.21)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08573 MW-30H **Lab ID: 30487979057** Collected: 05/02/22 10:18 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.620 ± 0.296 (0.413) C:97% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.138U ± 0.423 (0.929) C:46% T:101%	pCi/L	06/06/22 14:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.758U ± 0.719 (1.34)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08574 MW-15R **Lab ID: 30487979058** Collected: 05/02/22 11:48 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.253U ± 0.208 (0.362) C:82% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.889U ± 0.524 (0.951) C:52% T:88%	pCi/L	06/06/22 14:20	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.14U ± 0.732 (1.31)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08575 MW-4 **Lab ID: 30487979059** Collected: 05/02/22 14:13 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.164U ± 0.161 (0.298) C:98% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.494U ± 0.472 (0.951) C:54% T:93%	pCi/L	06/06/22 14:21	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.658U ± 0.633 (1.25)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08576 MW-3 **Lab ID: 30487979060** Collected: 05/03/22 08:45 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0690U ± 0.141 (0.328) C:99% T:NA	pCi/L	06/02/22 07:47	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.753U ± 0.513 (0.960) C:42% T:98%	pCi/L	06/06/22 14:22	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.822U ± 0.654 (1.29)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08577 MW-5 **Lab ID: 30487979061** Collected: 05/03/22 10:15 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.482 ± 0.274 (0.435) C:102% T:NA	pCi/L	06/02/22 07:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.476U ± 0.477 (0.980) C:49% T:101%	pCi/L	06/06/22 14:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.958U ± 0.751 (1.42)	pCi/L	06/09/22 13:49	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

Sample: BC08578 MW-5 Dup **Lab ID: 30487979062** Collected: 05/03/22 10:15 Received: 05/09/22 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.431 ± 0.248 (0.373) C:91% T:NA	pCi/L	06/02/22 07:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.238U ± 0.441 (0.943) C:56% T:90%	pCi/L	06/06/22 14:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.669U ± 0.689 (1.32)	pCi/L	06/09/22 13:49	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360
Pace Project No.: 30487979

QC Batch: 504555 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30487979001, 30487979003, 30487979004, 30487979005, 30487979006, 30487979007, 30487979008,
30487979009, 30487979010, 30487979011

METHOD BLANK: 2443959 Matrix: Water
Associated Lab Samples: 30487979001, 30487979003, 30487979004, 30487979005, 30487979006, 30487979007, 30487979008,
30487979009, 30487979010, 30487979011

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.000472 ± 0.0789 (0.222) C:81% T:NA	pCi/L	06/02/22 07:28	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 506496

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226, Dissolved

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979002

METHOD BLANK: 2453807

Matrix: Water

Associated Lab Samples: 30487979002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226, Dissolved	-0.0441 ± 0.201 (0.410) C:NA T:97%	pCi/L	06/15/22 14:22	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch:	504552	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg
Associated Lab Samples:	30487979052, 30487979053, 30487979054, 30487979055, 30487979056, 30487979057, 30487979058, 30487979059, 30487979060, 30487979061, 30487979062		

METHOD BLANK:	2443955	Matrix:	Water
Associated Lab Samples:	30487979052, 30487979053, 30487979054, 30487979055, 30487979056, 30487979057, 30487979058, 30487979059, 30487979060, 30487979061, 30487979062		

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.314 ± 0.430 (0.900) C:52% T:90%	pCi/L	06/06/22 14:17	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 504549

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979012, 30487979013, 30487979014, 30487979015, 30487979016, 30487979017, 30487979018, 30487979019, 30487979020, 30487979021, 30487979022, 30487979023, 30487979024, 30487979025, 30487979026, 30487979027, 30487979028, 30487979029, 30487979030, 30487979031

METHOD BLANK: 2443952

Matrix: Water

Associated Lab Samples: 30487979012, 30487979013, 30487979014, 30487979015, 30487979016, 30487979017, 30487979018, 30487979019, 30487979020, 30487979021, 30487979022, 30487979023, 30487979024, 30487979025, 30487979026, 30487979027, 30487979028, 30487979029, 30487979030, 30487979031

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0160 ± 0.0735 (0.195) C:85% T:NA	pCi/L	05/31/22 08:16	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360
Pace Project No.: 30487979

QC Batch: 504551 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
 Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979032, 30487979033, 30487979034, 30487979035, 30487979036, 30487979037, 30487979038, 30487979039, 30487979040, 30487979041, 30487979042, 30487979043, 30487979044, 30487979045, 30487979046, 30487979047, 30487979048, 30487979049, 30487979050, 30487979051

METHOD BLANK: 2443954 Matrix: Water

Associated Lab Samples: 30487979032, 30487979033, 30487979034, 30487979035, 30487979036, 30487979037, 30487979038, 30487979039, 30487979040, 30487979041, 30487979042, 30487979043, 30487979044, 30487979045, 30487979046, 30487979047, 30487979048, 30487979049, 30487979050, 30487979051

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.0691 (0.188) C:98% T:NA	pCi/L	06/17/22 08:44	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 504554

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979052, 30487979053, 30487979054, 30487979055, 30487979056, 30487979057, 30487979058, 30487979059, 30487979060, 30487979061, 30487979062

METHOD BLANK: 2443958

Matrix: Water

Associated Lab Samples: 30487979052, 30487979053, 30487979054, 30487979055, 30487979056, 30487979057, 30487979058, 30487979059, 30487979060, 30487979061, 30487979062

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0825 ± 0.0893 (0.170) C:95% T:NA	pCi/L	06/02/22 07:47	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 503480

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979001, 30487979003, 30487979004, 30487979005, 30487979006, 30487979007, 30487979008,
30487979009, 30487979010, 30487979011

METHOD BLANK: 2437885

Matrix: Water

Associated Lab Samples: 30487979001, 30487979003, 30487979004, 30487979005, 30487979006, 30487979007, 30487979008,
30487979009, 30487979010, 30487979011

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.239 ± 0.295 (0.623) C:79% T:89%	pCi/L	05/24/22 15:21	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 504548

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979012, 30487979013, 30487979014, 30487979015, 30487979016, 30487979017, 30487979018, 30487979019, 30487979020, 30487979021, 30487979022, 30487979023, 30487979024, 30487979025, 30487979026, 30487979027, 30487979028, 30487979029, 30487979030, 30487979031

METHOD BLANK: 2443951

Matrix: Water

Associated Lab Samples: 30487979012, 30487979013, 30487979014, 30487979015, 30487979016, 30487979017, 30487979018, 30487979019, 30487979020, 30487979021, 30487979022, 30487979023, 30487979024, 30487979025, 30487979026, 30487979027, 30487979028, 30487979029, 30487979030, 30487979031

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.884 ± 0.377 (0.588) C:73% T:92%	pCi/L	06/02/22 11:47	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 504550

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979032, 30487979033, 30487979034, 30487979035, 30487979036, 30487979037, 30487979038, 30487979039, 30487979040, 30487979041, 30487979042, 30487979043, 30487979044, 30487979045, 30487979046, 30487979047, 30487979048, 30487979049, 30487979050, 30487979051

METHOD BLANK: 2443953

Matrix: Water

Associated Lab Samples: 30487979032, 30487979033, 30487979034, 30487979035, 30487979036, 30487979037, 30487979038, 30487979039, 30487979040, 30487979041, 30487979042, 30487979043, 30487979044, 30487979045, 30487979046, 30487979047, 30487979048, 30487979049, 30487979050, 30487979051

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.387 ± 0.262 (0.493) C:81% T:98%	pCi/L	06/07/22 12:07	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1360

Pace Project No.: 30487979

QC Batch: 506497

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228, Dissolved

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30487979002

METHOD BLANK: 2453809

Matrix: Water

Associated Lab Samples: 30487979002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228, Dissolved	0.110 ± 0.336 (0.764) C:67% T:82%	pCi/L	06/14/22 17:46	

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QUALIFIERS

Project: WMWGASAP_1360

Pace Project No.: 30487979

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: WMWGASAP_1360

Pace Project No.: 30487979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30487979002	BC07775 MW-20V Dis	EPA 903.1	506496		
30487979002	BC07775 MW-20V Dis	EPA 904.0	506497		
30487979001	BC07774 MW-20V	EPA 9315	504555		
30487979003	BC07776 MW-19	EPA 9315	504555		
30487979004	BC07777 MW-20SV	EPA 9315	504555		
30487979005	BC07778 MW-20SV Dup	EPA 9315	504555		
30487979006	BC07779 MW-20	EPA 9315	504555		
30487979007	BC07780 MW-17	EPA 9315	504555		
30487979008	BC07780 MW-17 MS	EPA 9315	504555		
30487979009	BC07780 MW-17 MSD	EPA 9315	504555		
30487979010	BC07781 MW-17SV	EPA 9315	504555		
30487979011	BC07782 FB-2	EPA 9315	504555		
30487979012	BC07783 MW-42	EPA 9315	504549		
30487979013	BC07784 MW-42 Dup	EPA 9315	504549		
30487979014	BC07785 MW-38	EPA 9315	504549		
30487979015	BC07785 MW-38 MS	EPA 9315	504549		
30487979016	BC07785 MW-38 MSD	EPA 9315	504549		
30487979017	BC07786 MW-41	EPA 9315	504549		
30487979018	BC07787 MW-40	EPA 9315	504549		
30487979019	BC07788 MW-39	EPA 9315	504549		
30487979020	BC07789 FB-1	EPA 9315	504549		
30487979021	BC07790 MW-23D	EPA 9315	504549		
30487979022	BC07791 MW-23S	EPA 9315	504549		
30487979023	BC07792 MW-26	EPA 9315	504549		
30487979024	BC08192 MW-36V	EPA 9315	504549		
30487979025	BC08193 MW-33V	EPA 9315	504549		
30487979026	BC08194 MW-37V	EPA 9315	504549		
30487979027	BC08195 MW-32V	EPA 9315	504549		
30487979028	BC08196 FB-3	EPA 9315	504549		
30487979029	BC08197 MW-34V	EPA 9315	504549		
30487979030	BC08198 MW-35V	EPA 9315	504549		
30487979031	BC08199 MW-31VR	EPA 9315	504549		
30487979032	BC08200 MW-18	EPA 9315	504551		
30487979033	BC08201 MW-17V	EPA 9315	504551		
30487979034	BC08202 MW-29H	EPA 9315	504551		
30487979035	BC08203 MW-16V	EPA 9315	504551		
30487979036	BC08204 MW-16	EPA 9315	504551		
30487979037	BC08205 MW-28H	EPA 9315	504551		
30487979038	BC08206 MW-28H Dup	EPA 9315	504551		
30487979039	BC08207 MW-14	EPA 9315	504551		
30487979040	BC08208 FB-4	EPA 9315	504551		
30487979041	BC08559 MW-8	EPA 9315	504551		
30487979042	BC08560 MW-9	EPA 9315	504551		
30487979043	BC08561 MW-10	EPA 9315	504551		
30487979044	BC08562 MW-11	EPA 9315	504551		
30487979045	BC08563 MW-7	EPA 9315	504551		
30487979046	BC08564 MW-6	EPA 9315	504551		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30487979047	BC08564 MW-6 MS	EPA 9315	504551		
30487979048	BC08564 MW-6 MSD	EPA 9315	504551		
30487979049	BC08565 MW-21	EPA 9315	504551		
30487979050	BC08566 MW-22	EPA 9315	504551		
30487979051	BC08567 EB-1	EPA 9315	504551		
30487979052	BC08568 MW-27	EPA 9315	504554		
30487979053	BC08569 MW-27 Dup	EPA 9315	504554		
30487979054	BC08570 FB-5	EPA 9315	504554		
30487979055	BC08571 MW-13	EPA 9315	504554		
30487979056	BC08572 MW-12	EPA 9315	504554		
30487979057	BC08573 MW-30H	EPA 9315	504554		
30487979058	BC08574 MW-15R	EPA 9315	504554		
30487979059	BC08575 MW-4	EPA 9315	504554		
30487979060	BC08576 MW-3	EPA 9315	504554		
30487979061	BC08577 MW-5	EPA 9315	504554		
30487979062	BC08578 MW-5 Dup	EPA 9315	504554		
30487979001	BC07774 MW-20V	EPA 9320	503480		
30487979003	BC07776 MW-19	EPA 9320	503480		
30487979004	BC07777 MW-20SV	EPA 9320	503480		
30487979005	BC07778 MW-20SV Dup	EPA 9320	503480		
30487979006	BC07779 MW-20	EPA 9320	503480		
30487979007	BC07780 MW-17	EPA 9320	503480		
30487979008	BC07780 MW-17 MS	EPA 9320	503480		
30487979009	BC07780 MW-17 MSD	EPA 9320	503480		
30487979010	BC07781 MW-17SV	EPA 9320	503480		
30487979011	BC07782 FB-2	EPA 9320	503480		
30487979012	BC07783 MW-42	EPA 9320	504548		
30487979013	BC07784 MW-42 Dup	EPA 9320	504548		
30487979014	BC07785 MW-38	EPA 9320	504548		
30487979015	BC07785 MW-38 MS	EPA 9320	504548		
30487979016	BC07785 MW-38 MSD	EPA 9320	504548		
30487979017	BC07786 MW-41	EPA 9320	504548		
30487979018	BC07787 MW-40	EPA 9320	504548		
30487979019	BC07788 MW-39	EPA 9320	504548		
30487979020	BC07789 FB-1	EPA 9320	504548		
30487979021	BC07790 MW-23D	EPA 9320	504548		
30487979022	BC07791 MW-23S	EPA 9320	504548		
30487979023	BC07792 MW-26	EPA 9320	504548		
30487979024	BC08192 MW-36V	EPA 9320	504548		
30487979025	BC08193 MW-33V	EPA 9320	504548		
30487979026	BC08194 MW-37V	EPA 9320	504548		
30487979027	BC08195 MW-32V	EPA 9320	504548		
30487979028	BC08196 FB-3	EPA 9320	504548		
30487979029	BC08197 MW-34V	EPA 9320	504548		
30487979030	BC08198 MW-35V	EPA 9320	504548		
30487979031	BC08199 MW-31VR	EPA 9320	504548		
30487979032	BC08200 MW-18	EPA 9320	504550		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30487979033	BC08201 MW-17V	EPA 9320	504550		
30487979034	BC08202 MW-29H	EPA 9320	504550		
30487979035	BC08203 MW-16V	EPA 9320	504550		
30487979036	BC08204 MW-16	EPA 9320	504550		
30487979037	BC08205 MW-28H	EPA 9320	504550		
30487979038	BC08206 MW-28H Dup	EPA 9320	504550		
30487979039	BC08207 MW-14	EPA 9320	504550		
30487979040	BC08208 FB-4	EPA 9320	504550		
30487979041	BC08559 MW-8	EPA 9320	504550		
30487979042	BC08560 MW-9	EPA 9320	504550		
30487979043	BC08561 MW-10	EPA 9320	504550		
30487979044	BC08562 MW-11	EPA 9320	504550		
30487979045	BC08563 MW-7	EPA 9320	504550		
30487979046	BC08564 MW-6	EPA 9320	504550		
30487979047	BC08564 MW-6 MS	EPA 9320	504550		
30487979048	BC08564 MW-6 MSD	EPA 9320	504550		
30487979049	BC08565 MW-21	EPA 9320	504550		
30487979050	BC08566 MW-22	EPA 9320	504550		
30487979051	BC08567 EB-1	EPA 9320	504550		
30487979052	BC08568 MW-27	EPA 9320	504552		
30487979053	BC08569 MW-27 Dup	EPA 9320	504552		
30487979054	BC08570 FB-5	EPA 9320	504552		
30487979055	BC08571 MW-13	EPA 9320	504552		
30487979056	BC08572 MW-12	EPA 9320	504552		
30487979057	BC08573 MW-30H	EPA 9320	504552		
30487979058	BC08574 MW-15R	EPA 9320	504552		
30487979059	BC08575 MW-4	EPA 9320	504552		
30487979060	BC08576 MW-3	EPA 9320	504552		
30487979061	BC08577 MW-5	EPA 9320	504552		
30487979062	BC08578 MW-5 Dup	EPA 9320	504552		
30487979001	BC07774 MW-20V	Total Radium Calculation	512688		
30487979002	BC07775 MW-20V Dis	Total Radium Calculation	512509		
30487979003	BC07776 MW-19	Total Radium Calculation	512688		
30487979004	BC07777 MW-20SV	Total Radium Calculation	512688		
30487979005	BC07778 MW-20SV Dup	Total Radium Calculation	512688		
30487979006	BC07779 MW-20	Total Radium Calculation	512692		
30487979007	BC07780 MW-17	Total Radium Calculation	512692		
30487979010	BC07781 MW-17SV	Total Radium Calculation	512692		
30487979011	BC07782 FB-2	Total Radium Calculation	512692		
30487979012	BC07783 MW-42	Total Radium Calculation	510118		
30487979013	BC07784 MW-42 Dup	Total Radium Calculation	510118		
30487979014	BC07785 MW-38	Total Radium Calculation	510118		
30487979017	BC07786 MW-41	Total Radium Calculation	510118		
30487979018	BC07787 MW-40	Total Radium Calculation	510118		
30487979019	BC07788 MW-39	Total Radium Calculation	510118		
30487979020	BC07789 FB-1	Total Radium Calculation	510118		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1360

Pace Project No.: 30487979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30487979021	BC07790 MW-23D	Total Radium Calculation	510118		
30487979022	BC07791 MW-23S	Total Radium Calculation	510118		
30487979023	BC07792 MW-26	Total Radium Calculation	510118		
30487979024	BC08192 MW-36V	Total Radium Calculation	510118		
30487979025	BC08193 MW-33V	Total Radium Calculation	510118		
30487979026	BC08194 MW-37V	Total Radium Calculation	510118		
30487979027	BC08195 MW-32V	Total Radium Calculation	510118		
30487979028	BC08196 FB-3	Total Radium Calculation	510118		
30487979029	BC08197 MW-34V	Total Radium Calculation	510118		
30487979030	BC08198 MW-35V	Total Radium Calculation	510118		
30487979031	BC08199 MW-31VR	Total Radium Calculation	510118		
30487979032	BC08200 MW-18	Total Radium Calculation	512767		
30487979033	BC08201 MW-17V	Total Radium Calculation	512767		
30487979034	BC08202 MW-29H	Total Radium Calculation	512767		
30487979035	BC08203 MW-16V	Total Radium Calculation	512767		
30487979036	BC08204 MW-16	Total Radium Calculation	512767		
30487979037	BC08205 MW-28H	Total Radium Calculation	512767		
30487979038	BC08206 MW-28H Dup	Total Radium Calculation	512767		
30487979039	BC08207 MW-14	Total Radium Calculation	512767		
30487979040	BC08208 FB-4	Total Radium Calculation	512767		
30487979041	BC08559 MW-8	Total Radium Calculation	512767		
30487979042	BC08560 MW-9	Total Radium Calculation	512767		
30487979043	BC08561 MW-10	Total Radium Calculation	512767		
30487979044	BC08562 MW-11	Total Radium Calculation	512767		
30487979045	BC08563 MW-7	Total Radium Calculation	512767		
30487979046	BC08564 MW-6	Total Radium Calculation	512767		
30487979049	BC08565 MW-21	Total Radium Calculation	512767		
30487979050	BC08566 MW-22	Total Radium Calculation	512767		
30487979051	BC08567 EB-1	Total Radium Calculation	512767		
30487979052	BC08568 MW-27	Total Radium Calculation	510139		
30487979053	BC08569 MW-27 Dup	Total Radium Calculation	510139		
30487979054	BC08570 FB-5	Total Radium Calculation	510139		
30487979055	BC08571 MW-13	Total Radium Calculation	510139		
30487979056	BC08572 MW-12	Total Radium Calculation	510139		
30487979057	BC08573 MW-30H	Total Radium Calculation	510139		
30487979058	BC08574 MW-15R	Total Radium Calculation	510139		
30487979059	BC08575 MW-4	Total Radium Calculation	510139		
30487979060	BC08576 MW-3	Total Radium Calculation	510139		
30487979061	BC08577 MW-5	Total Radium Calculation	510139		
30487979062	BC08578 MW-5 Dup	Total Radium Calculation	510139		

REPORT OF LABORATORY ANALYSIS

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WO#: 30487979

CHAIN-C
The Chain-of



ment
pleted accurately.

Section A

Required Client Information:

Company: Alabama Power Company
 Address: 744 Highway 87 GSC Bldg #8
 Calera, AL 35040
 Email To: fbwill@southernco.com
 Phone: 205-664-6101 Fax:
 Requested Due Date: 28 days

Section B

Required Project Information:

Report To: Brooke Caton
 Copy To: Renee Jernigan & Blaine Denton
 Purchase Order #: APC10755638
 Project Name: Plant Gaston/Ash Pond
 Project Number: WMMWGASAP_1360

Attention: Brooke Caton
 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

#	ITEM	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filled	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	Preservatives	Y/N	Analytes Test	EPA 9315	EPA 9320	Total Radium Sum	Residual Chlorine (Y/N)	Requested Analytes Filtered (Y/N)	
										DATE	TIME													
1	BC07774	MW-20V	APCO-GN-AP-MW-20V	APCO_Gaston_AshPond				GW	G	4/19/2022	12:25	1						X	X	X				
2	BC07775	MW-20V Dis	APCO-GN-AP-MW-20V	APCO_Gaston_AshPond			X	GW	G	4/19/2022	12:25	1						X	X	X				
3	BC07776	MW-19	APCO-GN-AP-MW-19	APCO_Gaston_AshPond				GW	G	4/19/2022	15:45	1						X	X	X				
4	BC07777	MW-20SV	APCO-GN-AP-MW-20SV	APCO_Gaston_AshPond				GW	G	4/20/2022	10:55	1						X	X	X				
5	BC07778	MW-20SV Dup	APCO-GN-AP-MW-20SV	APCO_Gaston_AshPond	X			GW	G	4/20/2022	10:55	1						X	X	X				
6	BC07779	MW-20	APCO-GN-AP-MW-20	APCO_Gaston_AshPond				GW	G	4/20/2022	12:03	1						X	X	X				
7	BC07780	MW-17	APCO-GN-AP-MW-17	APCO_Gaston_AshPond				GW	G	4/20/2022	13:38	3						X	X	X				
8	BC07781	MW-17SV	APCO-GN-AP-MW-17SV	APCO_Gaston_AshPond			X	GW	G	4/20/2022	14:40	1						X	X	X				
9	BC07782	FB-2	APCO-GN-AP-FB-02	APCO_Gaston_AshPond				GW	G	4/20/2022	15:15	1						X	X	X				
10																								
11																								
12																								

RELINQUISHED BY / AFFILIATION: Brooke Caton / APC GTL DATE: 5/4/2022 TIME: 10:49
 ACCEPTED BY / AFFILIATION: *M. Smit* DATE: 5-9-22 TIME: 09:30

ADDITIONAL COMMENTS

TEMP in C

Received on

Ice

(Y/N)

Sealed

Custody

Cooler

(Y/N)

Samples

Intact (Y/N)

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: SIGNATURE of SAMPLER: Tj Daugherty DATE Signed:

30487979

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Brooke Caton	Company Name: Alabama Power Co.	Attention: Brooke Caton	Company Name: Alabama Power Co.	Address: 744 Highway 87 GSC Bldg #8
Address: 744 Highway 87 GSC Bldg #8	Copy To: Renee Jernigan & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8
City: Calera, AL 35040	Purchase Order #: APC10755638	City: Calera, AL 35040	City: Calera, AL 35040	City: Calera, AL 35040	City: Calera, AL 35040
Email To: tbwill@southernco.com	Project Name: Plant Gaston/Ash Pond	Email To: tbwill@southernco.com	Project Name: Plant Gaston/Ash Pond	Email To: tbwill@southernco.com	Project Name: Plant Gaston/Ash Pond
Phone: 205-664-6101	Project Number: WMWGASAP 1360	Phone: 205-664-6101	Project Number: WMWGASAP 1360	Phone: 205-664-6101	Project Number: WMWGASAP 1360
Requested Due Date: 28 days		Requested Due Date: 28 days		Requested Due Date: 28 days	

ITEM #	DESCRIPTION	STATION NAME LOCATION_ID	SITE NAME FACILITY_ID	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED DATE TIME	# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	REQUESTED ANALYSES FILTERED (Y/N)		DATE	TIME	SAMPLE CONDITIONS
									EPA 9315	EPA 9320			
1	BC07783	APCO-GN-AP-MW-42	APCO_Gaston_AshPond	GW G	4/19/2022 10:42	1	X	X	X	X			
2	BC07784	APCO-GN-AP-MW-42	APCO_Gaston_AshPond	GW G	4/19/2022 10:42	1	X	X	X	X			
3	BC07785	APCO-GN-AP-MW-38	APCO_Gaston_AshPond	GW G	4/19/2022 12:01	3	X	X	X	X			
4	BC07786	APCO-GN-AP-MW-41	APCO_Gaston_AshPond	GW G	4/19/2022 13:29	1	X	X	X	X			
5	BC07787	APCO-GN-AP-MW-40	APCO_Gaston_AshPond	GW G	4/19/2022 14:33	1	X	X	X	X			
6	BC07788	APCO-GN-AP-MW-39	APCO_Gaston_AshPond	GW G	4/19/2022 15:30	1	X	X	X	X			
7	BC07789	APCO-GN-AP-FB-01	APCO_Gaston_AshPond	GW G	4/19/2022 16:05	1	X	X	X	X			
8	BC07790	APCO-GN-AP-MW-23D	APCO_Gaston_AshPond	GW G	4/20/2022 10:52	1	X	X	X	X			
9	BC07791	APCO-GN-AP-MW-23S	APCO_Gaston_AshPond	GW G	4/20/2022 12:01	1	X	X	X	X			
10	BC07792	APCO-GN-AP-MW-26	APCO_Gaston_AshPond	GW G	4/20/2022 13:36	1	X	X	X	X			
11													
12													

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
		Brooke Caton/ APC GTL		5/4/2022		10:49		MA SJC		5/4/22		09:30			
SAMPLER NAME AND SIGNATURE															
PRINT Name of SAMPLER:								Dallas Gentry							
SIGNATURE of SAMPLER:								DATE Signed:							

30487979

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:	Brooke Caton	Attention:	Brooke Caton
Address:	744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To:	Renee Jernigan & Blaine Denton	Company Name:	Alabama Power Co.
Email To:	twilli@southalco.com	Purchase Order #:	APC10755638	Address:	744 Highway 87 GSC Bldg #8 CCR
Phone:	205-664-6101 Fax:	Project Name:	Plant Gaston Ash Pond	Pace Project Manager:	Skyler Richmond
Requested Due Date:	28 days	Project Number:	WIMWASAP_1360	Pace Profile #:	16788
				Regulatory Agency:	AL
				States / Location:	AL

ITEM #	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		# OF CONTAINERS	Preservatives		Analyses Test	DATE	TIME	SAMPLE CONDITIONS
									DATE	TIME		HNO3	H2SO4				
1	MW-36V	APCO-GN-AP-MW-36V	APCO_Gaston_AshPond				GW G	G	4/26/2022	10:15	1	X		X	X		024
2	MW-33V	APCO-GN-AP-MW-33V	APCO_Gaston_AshPond				GW G	G	4/26/2022	11:43	1	X		X	X		025
3	MW-37V	APCO-GN-AP-MW-37V	APCO_Gaston_AshPond				GW G	G	4/26/2022	13:25	1	X		X	X		026
4	MW-32V	APCO-GN-AP-MW-32V	APCO_Gaston_AshPond				GW G	G	4/26/2022	14:41	1	X		X	X		027
5	FB-3	APCO-GN-AP-FB-03	APCO_Gaston_AshPond				GW G	G	4/26/2022	15:30	1	X		X	X		028
6	MW-34V	APCO-GN-AP-MW-34V	APCO_Gaston_AshPond				GW G	G	4/27/2022	8:55	1	X		X	X		029
7	MW-35V	APCO-GN-AP-MW-35V	APCO_Gaston_AshPond				GW G	G	4/27/2022	10:24	1	X		X	X		030
8	MW-31VR	APCO-GN-AP-MW-31VR	APCO_Gaston_AshPond				GW G	G	4/27/2022	13:49	1	X		X	X		031
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	Ice (Y/N)	Sealed Custody (Y/N)	Cooler (Y/N)	Intact Samples (Y/N)
		Brooke Caton/ APC GTL	5/4/2022	10:49	<i>MUSE</i>	5-9-22	0920						
		SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER:		DATE Signed:							
				Dallas Gentry									

30481979

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Brooke Caton	Attention: Brooke Caton			
Address: 744 Highway 87 GSC Bldg #8 Calera, AL 35040	Copy To: Renee Jernigan & Blaine Denton	Company Name: Alabama Power Co.			
Email To: tbwill@southernco.com	Purchase Order #: APC10755638	Address: 744 Highway 87 GSC Bldg #8 CCR			
Phone: 205-664-6101 Fax:	Project Name: Plant Gaston Ash Pond	CCR			
Requested Due Date: 28 days	Project Number: WIMWGSAP_1360	State / Location: AL			
		Regulatory / Agency:			
		State / Location: AL			

ITEM #	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	Preservatives	Y/N	Requested Analytes Filtered (Y/N)	EPA 9315	EPA 9320	Total Radium Sum	Residual Chlorine (Y/N)
									DATE	TIME											
1	MW-18	APCO-GN-AP-MW-18	APCO_Gaston_AshPond				GW	G	4/26/2022	11:30	1						X	X	X		032
2	MW-17V	APCO-GN-AP-MW-17V	APCO_Gaston_AshPond				GW	G	4/26/2022	13:22	1						X	X	X		033
3	MW-29H	APCO-GN-AP-MW-29H	APCO_Gaston_AshPond				GW	G	4/26/2022	15:30	1						X	X	X		034
4	MW-16V	APCO-GN-AP-MW-16V	APCO_Gaston_AshPond				GW	G	4/27/2022	10:25	1						X	X	X		035
5	MW-16	APCO-GN-AP-MW-16	APCO_Gaston_AshPond				GW	G	4/27/2022	12:05	1						X	X	X		036
6	MW-28H	APCO-GN-AP-MW-28H	APCO_Gaston_AshPond				GW	G	4/27/2022	13:25	1						X	X	X		037
7	MW-28H Dup	APCO-GN-AP-MW-28H	APCO_Gaston_AshPond	X			GW	G	4/27/2022	13:25	1						X	X	X		038
8	MW-14	APCO-GN-AP-MW-14	APCO_Gaston_AshPond				GW	G	4/27/2022	15:15	1						X	X	X		039
9	FB-4	APCO-GN-AP-FB-04	APCO_Gaston_AshPond				GW	G	4/27/2022	16:00	1						X	X	X		040
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Brooke Caton/ APC GTL	5/4/2022	10:49	<i>MC</i>	5-9-22	0930	Received on ice (Y/N) Sealed (Y/N) Cooler (Y/N) Intact Samples (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: *TJ Daugherty*

DATE Signed: _____

50481979

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Brooke Caton	Company Name: Brooke Caton	Attention: Brooke Caton	Company Name: Alabama Power Co.	Address: 744 Highway 87 GSC Bldg #8
Address: 744 Highway 87 GSC Bldg #8	Copy To: Renee Jernigan & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8
Catera, AL 35040					
Email To: tbywill@southernco.com	Purchase Order #: APC10755638	Purchase Order #: APC10755638	Pace Quote: CCR	Pace Project Manager: Skyler Richmond	State / Location: AL
Phone: 205-664-6101 Fax	Project Name: Plant Gaston Ash Pond	Project Name: Plant Gaston Ash Pond	Pace Project Manager: Skyler Richmond	Pace Project Manager: Skyler Richmond	State / Location: AL
Requested Due Date: 28 days	Project Number: WMVGSASAP_1360	Project Number: WMVGSASAP_1360	Pace Profile #: 10788	Pace Profile #: 10788	State / Location: AL

ITEM #	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives		Unpreserved	H2SO4	HNO3	Requested Analysis Filtered (Y/N)	Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
									START DATE	TIME		DATE	TIME										
1	BC08559	MW-8	APCO-GN-AP-MW-8	APCO_Gaston_AshPond			GW G	G	5/2/2022	10:20	1							X	X	X			041
2	BC08560	MW-9	APCO-GN-AP-MW-9	APCO_Gaston_AshPond			GW G	G	5/2/2022	12:10	1							X	X	X			042
3	BC08561	MW-10	APCO-GN-AP-MW-10	APCO_Gaston_AshPond			GW G	G	5/2/2022	14:15	1							X	X	X			043
4	BC08562	MW-11	APCO-GN-AP-MW-11	APCO_Gaston_AshPond			GW G	G	5/2/2022	16:05	1							X	X	X			044
5	BC08563	MW-7	APCO-GN-AP-MW-7	APCO_Gaston_AshPond			GW G	G	5/3/2022	9:55	1							X	X	X			045
6	BC08564	MW-6	APCO-GN-AP-MW-6	APCO_Gaston_AshPond			GW G	G	5/3/2022	11:00	3							X	X	X			046, 047, 048
7	BC08565	MW-21	APCO-GN-AP-MW-21	APCO_Gaston_AshPond			GW G	G	5/3/2022	12:10	1							X	X	X			049
8	BC08566	MW-22	APCO-GN-AP-MW-22	APCO_Gaston_AshPond			GW G	G	5/3/2022	13:20	1							X	X	X			050
9	BC08567	EB-1	APCO-GN-AP-EB-01	APCO_Gaston_AshPond			GW G	G	5/3/2022	13:45	1							X	X	X			051
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Brooke Caton/ APC GTL	5/4/2022	10:49	<i>M. Scott</i>	5-17-22	0930

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TJ Daugherty

SIGNATURE of SAMPLER: *TJ Daugherty*

DATE Signed: _____

20487979

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: Brooke Caton	Company Name: Alabama Power Co.	Attention: Brooke Caton	Regulatory Agency:	
Address: 744 Highway 87 GSC Bldg #8	Copy To: Renee Jernigan & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8	CCR	State / Location:	AL
Callera, AL 35040	Purchase Order #: APC10755638	Peace Project Manager: Skyler Richmond			
Email To: tbwill@southernco.com	Project Name: Plant Gaston Ash Pond	Peace Profile #: 16786			
Phone: 205-664-6101	Requested Due Date: 28 days				

ITEM #	SAMPLE ID One Character per box (A-Z, 0-9 / , -) Sample Ids must be unique	Description	Station Name Location_ID	Site Name Facility_ID	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives		Analyses Test	EPA 9315	EPA 9320	Total Radium Sum	Residual Chlorine (Y/N)
									DATE	TIME		H2SO4	HNO3					
1	BC08568	MW-27	APCO-GN-AP-MW-27	APCO_Gaston_AshPond			GW	G	5/2/2022	10:24	1			X	X	X		
2	BC08569	MW-27 Dup	APCO-GN-AP-MW-27	APCO_Gaston_AshPond	X		GW	G	5/2/2022	10:24	1			X	X	X		
3	BC08570	FB-5	APCO-GN-AP-FB-05	APCO_Gaston_AshPond			GW	G	5/2/2022	10:40	1			X	X	X		
4	BC08571	MW-13	APCO-GN-AP-MW-13	APCO_Gaston_AshPond			GW	G	5/2/2022	15:12	1			X	X	X		
5	BC08572	MW-12	APCO-GN-AP-MW-12	APCO_Gaston_AshPond			GW	G	5/3/2022	10:10	1			X	X	X		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Brooke Caton/ APC GTL	5/4/2022	10:49	<i>msc</i>	5-9-22	05:36	

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Anthony Goggins
SIGNATURE of SAMPLER:	DATE Signed:

30487979

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: tbwill@southernco.com
 Phone: 205-664-6101 Fax:
 Requested Due Date: 28 days
Invoice Information:
 Report To: Brooke Caton
 Copy To: Renee Jernigan & Blaine Denton
 Attention: Brooke Caton
 Company Name: Alabama Power Co.
 Address: 744 Highway 87 GSC Bldg #8
 CCR
 Project Name: Plant Gaston Ash Pond
 Pace Project Manager: Skyler Richmond
 Project Number: WMWVGASAP 1360
 Pace Profile #: 16788

Section B

Required Project Information:
 Station Name: MW-30H
 Location ID: APCO-GN-AP-MW-30H
 Site Name: APCO_Gaston_AshPond
 Facility ID: APCO_Gaston_AshPond
 Description: MW-15R
 Location ID: APCO-GN-AP-MW-15R
 Site Name: APCO_Gaston_AshPond
 Facility ID: APCO_Gaston_AshPond
 Description: MW-4
 Location ID: APCO-GN-AP-MW-4
 Site Name: APCO_Gaston_AshPond
 Facility ID: APCO_Gaston_AshPond
 Description: MW-3
 Location ID: APCO-GN-AP-MW-3
 Site Name: APCO_Gaston_AshPond
 Facility ID: APCO_Gaston_AshPond
 Description: MW-5
 Location ID: APCO-GN-AP-MW-5
 Site Name: APCO_Gaston_AshPond
 Facility ID: APCO_Gaston_AshPond
 Description: MW-5 Dup
 Location ID: APCO-GN-AP-MW-5
 Site Name: APCO_Gaston_AshPond
 Facility ID: APCO_Gaston_AshPond

Section C

Requested Analysis Filtered (Y/N)
 EPA 9315 X
 EPA 9320 X
 Residual Chlorine (Y/N) 057
 Total Radium Sum 058
 0589
 060
 061
 067

# ITEM	DESCRIPTION	Station Name Location ID	Site Name Facility ID	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED	# OF CONTAINERS	Preservatives	Y/N	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
															START
1	MW-30H	APCO-GN-AP-MW-30H	APCO_Gaston_AshPond	GW G	10:18	1	HNO3	X	5/2/2022	10:18					
2	MW-15R	APCO-GN-AP-MW-15R	APCO_Gaston_AshPond	GW G	11:48	1	H2SO4	X	5/2/2022	11:48					
3	MW-4	APCO-GN-AP-MW-4	APCO_Gaston_AshPond	GW G	14:13	1	Unpreserved	X	5/2/2022	14:13					
4	MW-3	APCO-GN-AP-MW-3	APCO_Gaston_AshPond	GW G	8:45	1	H2SO4	X	5/3/2022	8:45					
5	MW-5	APCO-GN-AP-MW-5	APCO_Gaston_AshPond	GW G	10:15	1	Unpreserved	X	5/3/2022	10:15					
6	MW-5 Dup	APCO-GN-AP-MW-5	APCO_Gaston_AshPond	GW G	10:15	1	Unpreserved	X	5/3/2022	10:15					
7															
8															
9															
10															
11															
12															

ADDITIONAL COMMENTS:

RELINQUISHED BY / AFFILIATION: Brooke Caton/APC GTL DATE: 5/4/2022 TIME: 10:49
 ACCEPTED BY / AFFILIATION: *MC* DATE: 5/4/2022 TIME: 09:30

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: SIGNATURE of SAMPLER:
 DATE Signed:

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: Alabama Power Co. Project # 30487979

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 5701 6585 2570 5701 6585 2525

Label mjs
LIMS Login mjs

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#	Date and initials of person examining contents:
				<u>1002811</u>	<u>JAK 5/11/22</u>
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.	
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.	
-Includes date/time/ID Matrix:					
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.	
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.	
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.	
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.	
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.	
Organic Samples checked for dechlorination:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.	
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.	
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix					
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>JAK</u>	Date/time of preservation: <u>05/11/22 16:00</u>
				Lot # of added preservative	<u>05/11/22 22</u>
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17.	
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	18.	
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rad Samples Screened < 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>JAK</u>	Date: <u>05/11/22</u> Survey Meter SN: <u>1763</u>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

A check in this box indicates that additional information has been stored in reports.

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.

6

LIMS30 Internal Shipping Manifest

* COOLER 2	Shipping Laboratory Location Code		Receiving Laboratory Location Code	
	BEAV		GBUR	
	Pace Beaver: 225 Industrial Park Road Beaver WV 25813		Pace Greensburg: 1638 Roseytown Road Suite 2,3,4 Greensburg PA 15601	
	Shipping information		Received information	
	Cooler ID	2	Cooler temp (rcvd) °C	3.7
	Packaged on ice (Y/N)	Y	Correction Factor	-0.0
	Shipping Method	COURIER	Cooler temp (corr) °C	3.7
	Tracking #		IR GUN ID	17
PWS* Drinking water?		Received on ice?	Yes	

* If sample is from a PWS, the PWSID can be found in LIMS30

	Signature	Location	Date	Time
Relinquished	<i>Reynard Mackey</i> <i>M</i>	BEAV	5-11-22 1630	
Received		GBUR	5-11-22	2200
Relinquished				
Received				
Relinquished				
Received				

Logger	Scan Date	Container ID	Type	LIMS Lab ID	LIMS Work Order
BET	5/11/2022	30487893001 VG9H1/3	VG9H	30487893001	30487893
BET	5/11/2022	30487893001 VG9H2/3	VG9H	30487893001	30487893
BET	5/11/2022	30487893001 VG9H3/3	VG9H	30487893001	30487893
BET	5/11/2022	30487893002 VG9H1/2	VG9H	30487893002	30487893
BET	5/11/2022	30487893002 VG9H2/2	VG9H	30487893002	30487893
BET	5/11/2022	30487901001 VG9H1/3	VG9H	30487901001	30487901
BET	5/11/2022	30487901001 VG9H2/3	VG9H	30487901001	30487901
BET	5/11/2022	30487901001 VG9H3/3	VG9H	30487901001	30487901
BET	5/11/2022	30487901002 VG9H1/3	VG9H	30487901002	30487901
BET	5/11/2022	30487901002 VG9H2/3	VG9H	30487901002	30487901
BET	5/11/2022	30487901002 VG9H3/3	VG9H	30487901002	30487901
BET	5/11/2022	30487901003 VG9H1/3	VG9H	30487901003	30487901
BET	5/11/2022	30487901003 VG9H2/3	VG9H	30487901003	30487901
BET	5/11/2022	30487901003 VG9H3/3	VG9H	30487901003	30487901
BET	5/11/2022	30487901004 VG9H1/3	VG9H	30487901004	30487901
BET	5/11/2022	30487901004 VG9H2/3	VG9H	30487901004	30487901
BET	5/11/2022	30487901004 VG9H3/3	VG9H	30487901004	30487901
BET	5/11/2022	30487901005 VG9H1/3	VG9H	30487901005	30487901
BET	5/11/2022	30487901005 VG9H2/3	VG9H	30487901005	30487901
BET	5/11/2022	30487901005 VG9H3/3	VG9H	30487901005	30487901
BET	5/11/2022	30487901006 VG9H1/3	VG9H	30487901006	30487901
BET	5/11/2022	30487901006 VG9H2/3	VG9H	30487901006	30487901
BET	5/11/2022	30487901006 VG9H3/3	VG9H	30487901006	30487901
BET	5/11/2022	30487901007 VG9H1/3	VG9H	30487901007	30487901
BET	5/11/2022	30487901007 VG9H2/3	VG9H	30487901007	30487901
BET	5/11/2022	30487901007 VG9H3/3	VG9H	30487901007	30487901
BET	5/11/2022	30487901008 VG9H1/3	VG9H	30487901008	30487901
BET	5/11/2022	30487901008 VG9H2/3	VG9H	30487901008	30487901
BET	5/11/2022	30487901008 VG9H3/3	VG9H	30487901008	30487901
BET	5/11/2022	30487901009 VG9H1/1	VG9H	30487901009	30487901
BET	5/11/2022	30487879001 DG9H1/3	DG9H	30487879001	30487879
BET	5/11/2022	30487879001 DG9H2/3	DG9H	30487879001	30487879
BET	5/11/2022	30487879001 DG9H3/3	DG9H	30487879001	30487879
BET	5/11/22 0:00	30487879002 DG9H3/3	DG9H	30487879002	30487879

WO#: 30487979



30487979

LIMS30 Internal Shipping Manifest

COOLER 2	Shipping Laboratory Location Code		Receiving Laboratory Location Code	
	BEAV		GBUR	
	Pace Beaver: 225 Industrial Park Road Beaver WV 25813		Pace Greensburg: 1638 Roseytown Road Suite 2,3,4 Greensburg PA 15601	
	Shipping Information		Received Information	
	Cooler ID	2	Cooler temp (rcvd) °C	3.7
	Packaged on Ice (Y/N)	Y	Correction Factor	-0.0
	Shipping Method	COURIER	Cooler temp (corr) °C	3.7
Tracking #		IR GUN ID	17	
PWS* Drinking water?		Received on ice?	yes	

* If sample is from a PWS, the PWSID can be found in LIMS30

	Signature	Location	Date	Time
Relinquished		BEAV		
Received		GBUR	5-11-22	2200
Relinquished				
Received				
Relinquished				
Received				

Logger	Scan Date	Container ID	Type	LIMS Lab ID	LIMS Work Order
BET	5/11/22 0:00	30487879002 DG9H1/3	DG9H	30487879002	30487879
BET	5/11/22 0:00	30487879002 DG9H2/3	DG9H	30487879002	30487879
BET	5/11/22 0:00	30487879003 DG9H3/3	DG9H	30487879003	30487879
BET	5/11/22 0:00	30487879003 DG9H2/3	DG9H	30487879003	30487879
BET	5/11/22 0:00	30487879003 DG9H1/3	DG9H	30487879003	30487879
BET	5/11/22 0:00	30487879004 DG9H1/3	DG9H	30487879004	30487879
BET	5/11/22 0:00	30487879004 DG9H3/3	DG9H	30487879004	30487879
BET	5/11/22 0:00	30487879004 DG9H2/3	DG9H	30487879004	30487879
BET	5/11/22 0:00	30487879005 DG9H3/3	DG9H	30487879005	30487879
BET	5/11/22 0:00	30487879005 DG9H2/3	DG9H	30487879005	30487879
BET	5/11/22 0:00	30487879005 DG9H1/3	DG9H	30487879005	30487879
BET	5/11/22 0:00	30487879006 DG9H3/3	DG9H	30487879006	30487879
BET	5/11/22 0:00	30487879006 DG9H2/3	DG9H	30487879006	30487879
BET	5/11/22 0:00	30487879006 DG9H1/3	DG9H	30487879006	30487879
BET	5/11/22 0:00	30487879007 DG9H2/3	DG9H	30487879007	30487879
BET	5/11/22 0:00	30487879007 DG9H3/3	DG9H	30487879007	30487879
BET	5/11/22 0:00	30487879007 DG9H1/3	DG9H	30487879007	30487879
BET	5/11/22 0:00	30487879008 DG9H1/3	DG9H	30487879008	30487879
BET	5/11/22 0:00	30487879008 DG9H2/3	DG9H	30487879008	30487879
BET	5/11/22 0:00	30487879008 DG9H3/3	DG9H	30487879008	30487879
BET	5/11/22 0:00	30487879009 DG9H1/3	DG9H	30487879009	30487879
BET	5/11/22 0:00	30487879009 DG9H2/3	DG9H	30487879009	30487879
BET	5/11/22 0:00	30487879009 DG9H3/3	DG9H	30487879009	30487879
BET	5/11/22 0:00	30487879010 DG9H1/3	DG9H	30487879010	30487879
BET	5/11/22 0:00	30487879010 DG9H2/3	DG9H	30487879010	30487879
BET	5/11/22 0:00	30487879010 DG9H3/3	DG9H	30487879010	30487879
BET	5/11/22 0:00	30487879001 VG9U2/3	VG9U	30487879001	30487879
BET	5/11/22 0:00	30487879001 VG9U1/3	VG9U	30487879001	30487879
BET	5/11/22 0:00	30487879001 VG9U3/3	VG9U	30487879001	30487879
BET	5/11/22 0:00	30487879002 BP3N1/1	BP3N	30487879002	30487879
BET	5/11/22 0:00	30487879002 VG9U2/3	VG9U	30487879002	30487879
BET	5/11/22 0:00	30487879002 VG9U3/3	VG9U	30487879002	30487879
BET	5/11/22 0:00	30487879003 VG9U3/3	VG9U	30487879003	30487879
BET	5/11/22 0:00	30487879003 VG9U1/3	VG9U	30487879003	30487879
BET	5/11/22 0:00	30487879003 VG9U2/3	VG9U	30487879003	30487879
BET	5/11/22 0:00	30487879004 VG9U3/3	VG9U	30487879004	30487879
BET	5/11/22 0:00	30487879004 VG9U2/3	VG9U	30487879004	30487879

WO#: 30487979

Due Date: 05/31/22

PH: SCR

CLIENT: ALABAMA PMR

LIMS30 Internal Shipping Manifest

COOLER 2	Shipping Laboratory Location Code		Receiving Laboratory Location Code	
	BEAV		GBUR	
	Pace Beaver: 225 Industrial Park Road Beaver WV 25813		Pace Greensburg: 1638 Roseytown Road Suite 2,3,4 Greensburg PA 15601	
	Shipping Information		Received information	
	Cooler ID	2	Cooler temp (rcvd) °C	3.7
	Packaged on Ice (Y/N)	Y	Correction Factor	-0.0
	Shipping Method	COURIER	Cooler temp (corr) °C	3.7
	Tracking #		IR GUN ID	17
PWS* Drinking water?		Received on Ice?	Yes	

* If sample is from a PWS, the PWSID can be found in LIMS30

	Signature	Location	Date	Time
Relinquished		BEAV		
Received		GBA	5-11-22	2:00
Relinquished				
Received				
Relinquished				
Received				

Logger	Scan Date	Container ID	Type	LIMS Lab ID	LIMS Work Order
BET	5/11/22 0:00	30487879004 VG9U1/3	VG9U	30487879004	30487879
BET	5/11/22 0:00	30487879005 VG9U3/3	VG9U	30487879005	30487879
BET	5/11/22 0:00	30487879005 VG9U2/3	VG9U	30487879005	30487879
BET	5/11/22 0:00	30487879005 VG9U1/3	VG9U	30487879005	30487879
BET	5/11/22 0:00	30487879006 VG9U3/3	VG9U	30487879006	30487879
BET	5/11/22 0:00	30487879006 VG9U2/3	VG9U	30487879006	30487879
BET	5/11/22 0:00	30487879006 VG9U1/3	VG9U	30487879006	30487879
BET	5/11/22 0:00	30487879007 VG9U2/3	VG9U	30487879007	30487879
BET	5/11/22 0:00	30487879007 VG9U3/3	VG9U	30487879007	30487879
BET	5/11/22 0:00	30487879007 VG9U1/3	VG9U	30487879007	30487879
BET	5/11/22 0:00	30487879008 VG9U3/3	VG9U	30487879008	30487879
BET	5/11/22 0:00	30487879008 VG9U2/3	VG9U	30487879008	30487879
BET	5/11/22 0:00	30487879008 VG9U1/3	VG9U	30487879008	30487879
BET	5/11/22 0:00	30487879009 VG9U3/3	VG9U	30487879009	30487879
BET	5/11/22 0:00	30487879009 VG9U2/3	VG9U	30487879009	30487879
BET	5/11/22 0:00	30487879009 VG9U1/3	VG9U	30487879009	30487879
BET	5/11/22 0:00	30487879010 VG9U3/3	VG9U	30487879010	30487879
BET	5/11/22 0:00	30487879010 VG9U2/3	VG9U	30487879010	30487879
BET	5/11/22 0:00	30487879010 VG9U1/3	VG9U	30487879010	30487879
BET	5/11/22 0:00	30487879011 VG9U4/4	VG9U	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9U3/3	VG9U	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9U1/3	VG9U	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9U2/3	VG9U	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9H1/3	VG9H	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9H2/3	VG9H	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9H3/3	VG9H	30487879011	30487879
BET	5/11/22 0:00	30487879011 VG9H4/4	VG9H	30487879011	30487879
BET	5/11/22 0:00	30487880001 VG9U1/3	VG9U	30487880001	30487880
BET	5/11/22 0:00	30487880001 VG9U2/3	VG9U	30487880001	30487880
BET	5/11/22 0:00	30487880001 VG9U3/3	VG9U	30487880001	30487880
BET	5/11/22 0:00	30487880001 DG9H1/3	DG9H	30487880001	30487880
BET	5/11/22 0:00	30487880001 DG9H2/3	DG9H	30487880001	30487880
BET	5/11/22 0:00	30487880001 DG9H3/3	DG9H	30487880001	30487880
BET	5/11/22 0:00	30487880002 VG9U1/3	VG9U	30487880002	30487880
BET	5/11/22 0:00	30487880002 VG9U2/3	VG9U	30487880002	30487880
BET	5/11/22 0:00	30487880002 VG9U3/3	VG9U	30487880002	30487880
BET	5/11/22 0:00	30487880002 DG9H1/3	DG9H	30487880002	30487880

WO#: 30487979
 PM: SCR Due Date: 05/31/22
 CLIENT: ALABAMA PWR

LIMS30 Internal Shipping Manifest

COOLER 2	Shipping Laboratory Location Code		Receiving Laboratory Location Code	
	BEAV		GBUR	
	Pace Beaver: 225 Industrial Park Road Beaver WV 25813		Pace Greensburg: 1638 Roseytown Road Suite 2,3,4 Greensburg PA 15601	
	Shipping Information		Received Information	
	Cooler ID	2	Cooler temp (rcvd) °C	3.7
	Packaged on Ice (Y/N)	Y	Correction Factor	-0.0
	Shipping Method	COURIER	Cooler temp (corr) °C	3.7
	Tracking #		IR GUN ID	17
PWS* Drinking water?		Received on ice?	Yes	

* If sample is from a PWS, the PWSID can be found in LIMS30

	Signature	Location	Date	Time
Relinquished		BEAV		
Received		GBUR	5-11-22	2200
Relinquished				
Received				
Relinquished				
Received				

Logger	Scan Date	Container ID	Type	LIMS Lab ID	LIMS Work Order
BET	5/11/22 0:00	30487880002 DG9H2/3	DG9H	30487880002	30487880
BET	5/11/22 0:00	30487880002 DG9H3/3	DG9H	30487880002	30487880
BET	5/11/22 0:00	30487880003 VG9U1/3	VG9U	30487880003	30487880
BET	5/11/22 0:00	30487880003 VG9U2/3	VG9U	30487880003	30487880
BET	5/11/22 0:00	30487880003 VG9U3/3	VG9U	30487880003	30487880
BET	5/11/22 0:00	30487880003 DG9H1/3	DG9H	30487880003	30487880
BET	5/11/22 0:00	30487880003 DG9H2/3	DG9H	30487880003	30487880
BET	5/11/22 0:00	30487880003 DG9H3/3	DG9H	30487880003	30487880
BET	5/11/22 0:00	30487880004 VG9U1/1	VG9U	30487880004	30487880
BET	5/11/22 0:00	30487880004 VG9H1/1	VG9H	30487880004	30487880
BET	5/11/22 0:00	30487881001 VG9U1/3	VG9U	30487881001	30487881
BET	5/11/22 0:00	30487881001 VG9U2/3	VG9U	30487881001	30487881
BET	5/11/22 0:00	30487881001 VG9U3/3	VG9U	30487881001	30487881
BET	5/11/22 0:00	30487881001 DG9H1/3	DG9H	30487881001	30487881
BET	5/11/22 0:00	30487881001 DG9H2/3	DG9H	30487881001	30487881
BET	5/11/22 0:00	30487881001 DG9H3/3	DG9H	30487881001	30487881
BET	5/11/22 0:00	30487881002 VG9U1/3	VG9U	30487881002	30487881
BET	5/11/22 0:00	30487881002 VG9U2/3	VG9U	30487881002	30487881
BET	5/11/22 0:00	30487881002 VG9U3/3	VG9U	30487881002	30487881
BET	5/11/22 0:00	30487881002 DG9H1/3	DG9H	30487881002	30487881
BET	5/11/22 0:00	30487881002 DG9H2/3	DG9H	30487881002	30487881
BET	5/11/22 0:00	30487881002 DG9H3/3	DG9H	30487881002	30487881
BET	5/11/22 0:00	30487881003 VG9U1/3	VG9U	30487881003	30487881
BET	5/11/22 0:00	30487881003 VG9U2/3	VG9U	30487881003	30487881
BET	5/11/22 0:00	30487881003 VG9U3/3	VG9U	30487881003	30487881
BET	5/11/22 0:00	30487881003 DG9H1/3	DG9H	30487881003	30487881
BET	5/11/22 0:00	30487881003 DG9H2/3	DG9H	30487881003	30487881
BET	5/11/22 0:00	30487881003 DG9H3/3	DG9H	30487881003	30487881
BET	5/11/22 0:00	30487881004 VG9U1/3	VG9U	30487881004	30487881
BET	5/11/22 0:00	30487881004 VG9U2/3	VG9U	30487881004	30487881
BET	5/11/22 0:00	30487881004 VG9U3/3	VG9U	30487881004	30487881
BET	5/11/22 0:00	30487881004 DG9H1/3	DG9H	30487881004	30487881
BET	5/11/22 0:00	30487881004 DG9H2/3	DG9H	30487881004	30487881
BET	5/11/22 0:00	30487881004 DG9H3/3	DG9H	30487881004	30487881
BET	5/11/22 0:00	30487881005 VG9U1/2	VG9U	30487881005	30487881
BET	5/11/22 0:00	30487881005 VG9U2/2	VG9U	30487881005	30487881
BET	5/11/22 0:00	30487881005 VG9H1/2	VG9H	30487881005	30487881

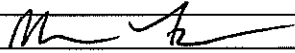
WO#: 30487979

PM: SCR Due Date: 05/31/22
 CLIENT: ALABAMA PWR

LIMS30 Internal Shipping Manifest

COOLER 2	Shipping Laboratory Location Code		Receiving Laboratory Location Code	
	BEAV		GBUR	
	Pace Beaver: 225 Industrial Park Road Beaver WV 25813		Pace Greensburg: 1638 Roseytown Road Suite 2,3,4 Greensburg PA 15601	
	Shipping Information		Received Information	
	Cooler ID	2	Cooler temp (rcvd) °C	3.7
	Packaged on Ice (Y/N)	Y	Correction Factor	-0.0
	Shipping Method	COURIER	Cooler temp (corr) °C	3.7
	Tracking #		IR GUN ID	17
PWS* Drinking water?		Received on ice?	YES	

* If sample is from a PWS, the PWSID can be found in LIMS30

	Signature	Location	Date	Time
Relinquished		BEAV		
Received		GBUR	5-11-22	2200
Relinquished				
Received				
Relinquished				
Received				

Logger	Scan Date	Container ID	Type	LIMS Lab ID	LIMS Work Order
BET	5/11/22 0:00	30487881005 VG9H2/2	VG9H	30487881005	30487881

WO#: 30487979

PM: SCR Due Date: 05/31/22
 CLIENT: ALABAMA PWR

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: Beaver Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other Brdp

Tracking #: Drop-off

Label <u>N/A</u>
LIMS Login <u>N/A</u>

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Thermometer Used 17 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 3.7 °C Correction Factor: 0.0 °C Final Temp: 3.7 °C
Temp should be above freezing to 6°C

pH paper Lot#	Date and initials of person examining contents: <u>5-12-22 mtf</u>
---------------	--

Comments:	pH paper Lot#			Date and initials of person examining contents: <u>5-12-22 mtf</u>
	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>			1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>			2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>			3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		4.
Sample Labels match COC: -Includes date/time/ID Matrix: <u>wt</u>	<input checked="" type="checkbox"/>			5.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>			6.
Short Hold Time Analysis (<72hr remaining):		<input checked="" type="checkbox"/>		7.
Rush Turn Around Time Requested:		<input checked="" type="checkbox"/>		8.
Sufficient Volume:	<input checked="" type="checkbox"/>			9.
Correct Containers Used: -Pace Containers Used:	<input checked="" type="checkbox"/>			10.
Containers Intact:	<input checked="" type="checkbox"/>			11.
Orthophosphate field filtered			<input checked="" type="checkbox"/>	12.
Hex Cr Aqueous sample field filtered			<input checked="" type="checkbox"/>	13.
Organic Samples checked for dechlorination:			<input checked="" type="checkbox"/>	14.
Filtered volume received for Dissolved tests			<input checked="" type="checkbox"/>	15.
All containers have been checked for preservation. exceptions: <u>VOA</u> , coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	<input checked="" type="checkbox"/>			16.
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>			Initial when completed: <u>mtf</u> Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):		<input checked="" type="checkbox"/>		17.
Trip Blank Present:	<input checked="" type="checkbox"/>			18.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/>			
Rad Samples Screened < 0.5 mrem/hr			<input checked="" type="checkbox"/>	Initial when completed: _____ Date: _____ Survey Meter SN: _____

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.

WO#: 30487979
 PM: SCR Due Date: 05/31/22
 CLIENT: ALABAMA PWR

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 5/13/2022
Worklist: 66646
Matrix: WT

Method Blank Assessment	
MB Sample ID	2437885
MB concentration:	0.239
M/B 2 Sigma CSU:	0.295
MB MDC:	0.623
MB Numerical Performance Indicator:	1.59
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCS/D (Y or N)?	N
Count Date:		LCS66646	LCS/D66646
Spike ID.:		5/24/2022	22-016
Decay Corrected Spike Concentration (pCi/mL):		35.637	0.10
Volume Used (mL):		0.814	0.814
Aliquot Volume (L, g, F):		4.377	4.377
Target Conc. (pCi/L, g, F):		0.214	0.214
Uncertainty (Calculated):		4.173	4.173
Result (pCi/L, g, F):		0.975	0.975
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):		-0.40	-0.40
Numerical Performance Indicator:		95.35%	95.35%
Percent Recovery:		N/A	N/A
Status vs Numerical Indicator:		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:		4/20/2022	
Sample I.D.:		30487979007	
Sample MS I.D.:		30487979008	
Sample MSD I.D.:		30487979009	
Spike I.D.:		22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		36.039	
Spike Volume Used in MS (mL):		0.20	
Spike Volume Used in MSD (mL):		0.20	
MS Aliquot (L, g, F):		0.801	
MS Target Conc. (pCi/L, g, F):		8.997	
MSD Aliquot (L, g, F):		0.801	
MSD Target Conc. (pCi/L, g, F):		9.003	
MS Spike Uncertainty (calculated):		0.441	
MSD Spike Uncertainty (calculated):		0.441	
Sample Result 2 Sigma CSU (pCi/L, g, F):		0.848	
Sample Matrix Spike Result:		0.582	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		10.077	
Sample Matrix Spike Duplicate Result:		2.119	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		9.483	
MS Numerical Performance Indicator:		1.984	
MSD Numerical Performance Indicator:		0.204	
MS Percent Recovery:		-0.340	
MSD Percent Recovery:		102.59%	
MS Status vs Numerical Indicator:		95.91%	
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		Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:		Sample I.D.:	
Duplicate Sample I.D.:		Sample MS I.D.:	
Sample Result (pCi/L, g, F):		Sample MSD I.D.:	
Sample Duplicate Result (pCi/L, g, F):		Sample Matrix Spike Result:	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):		Sample Matrix Spike Duplicate Result:	
Are sample and/or duplicate results below RL?		Duplicate Numerical Performance Indicator:	
Duplicate Numerical Performance Indicator:		Duplicate Numerical Performance Indicator:	
Duplicate RPD:		MS/MSD Duplicate Status vs Numerical Indicator:	
Duplicate Status vs Numerical Indicator:		MS/MSD Duplicate Status vs RPD:	
Duplicate Status vs RPD:		% RPD Limit:	
% RPD Limit:		% RPD Limit:	

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

Comments:

Handwritten: OK 5/25/22

Handwritten: VAL 5/25/22

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 5/18/2022
Worklist: 66696
Matrix: WT

Method Blank Assessment	
MB Sample ID	2443951
MB concentration:	0.884
MB 2 Sigma CSU:	0.377
MB MDC:	0.588
MB Numerical Performance Indicator:	4.60
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	See Comment*

Laboratory Control Sample Assessment	
LCSD (Y or N)?	N
LCS66696	LCS66696
Count Date:	6/2/2022
Spike I.D.:	22-016
Decay Corrected Spike Concentration (pCi/mL):	35.530
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.809
Target Conc. (pCi/L, g, F):	4.390
Uncertainty (Calculated):	0.215
Result (pCi/L, g, F):	3.606
LCSD/LCSD 2 Sigma CSU (pCi/L, g, F):	0.860
Numerical Performance Indicator:	-1.73
Percent Recovery:	82.16%
Status vs Numerical Indicator:	N/A
Status vs Recovery:	Pass
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample I.D.:	Enter Duplicate sample I.D.s if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	
Sample Result (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Ave 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:	

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.

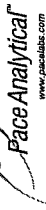
OK
James

VAL
6/3/22

Sample Matrix Spike Control Assessment		MS/MSD 1	MS/MSD 2
Sample Collection Date:		4/19/2022	
Sample I.D.:		30487979014	
Sample MS I.D.:		30487979015	
Sample MSD I.D.:		30487979016	
Spike I.D.:		22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		36.051	
Spike Volume Used in MS (mL):		0.20	
Spike Volume Used in MSD (mL):		0.20	
MS Aliquot (L, g, F):		0.800	
MS Target Conc.(pCi/L, g, F):		9.010	
MSD Aliquot (L, g, F):		0.808	
MSD Target Conc. (pCi/L, g, F):		8.929	
MS Spike Uncertainty (calculated):		0.442	
MSD Spike Uncertainty (calculated):		0.438	
Sample Result:		-0.011	
Sample Result 2 Sigma CSU (pCi/L, g, F):		0.251	
Sample Matrix Spike Result:		8.440	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		1.683	
Sample Matrix Spike Duplicate Result:		9.594	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		1.911	
MS Numerical Performance Indicator:		-0.623	
MSD Numerical Performance Indicator:		0.671	
MS Percent Recovery:		93.80%	
MSD Percent Recovery:		107.58%	
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%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30487979014
Sample MS I.D.:	30487979015
Sample MSD I.D.:	30487979016
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	8.440
Sample Matrix Spike Duplicate Result:	1.683
Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	9.594
Duplicate Numerical Performance Indicator:	1.911
Duplicate Numerical Performance Indicator (Based on the Percent Recoveries) MS/MSD Duplicate RPD:	-0.888
MS/MSD Duplicate Status vs Numerical Indicator:	13.69%
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 5/18/2022
Worklist: 66698
Matrix: WT

Method Blank Assessment	
MB Sample ID	2443953
MB concentration:	0.387
M/B 2 Sigma CSU:	0.262
MB MDC:	0.493
MB Numerical Performance Indicator:	2.89
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS/D (Y or N)?	
	LCS66698	N
Count Date:	6/7/2022	LCS66698
Spike I.D.:	22-016	
Decay Corrected Spike Concentration (pCi/mL):	35.473	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.813	
Target Conc. (pCi/L, g, F):	4.363	
Uncertainty (Calculated):	0.214	
Result (pCi/L, g, F):	3.918	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.904	
Numerical Performance Indicator:	-0.94	
Percent Recovery:	89.79%	
Status vs Numerical Indicator:	N/A	
Upper % Recovery Limits:	135%	
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?	
Duplicate Numerical Performance Indicator:	
Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	
% RPD Limit:	

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

Comments:

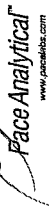
Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	5/3/2022	
Sample I.D.:	30487979046	
Sample MS I.D.:	30487979047	
Sample MSD I.D.:	30487979048	
Spike I.D.:	22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	35.886	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.807	
MS Target Conc. (pCi/L, g, F):	8.898	
MSD Aliquot (L, g, F):	0.805	
MSD Target Conc. (pCi/L, g, F):	8.916	
MS Spike Uncertainty (calculated):	0.436	
MSD Spike Uncertainty (calculated):	0.437	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.255	
Sample Matrix Spike Result:	0.275	
Sample Matrix Spike Duplicate Result:	1.484	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	6.979	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.414	
MS Numerical Performance Indicator:	-2.221	
MSD Numerical Performance Indicator:	-2.855	
MS Percent Recovery:	80.00%	
MSD Percent Recovery:	75.42%	
MS Status vs Numerical Indicator:	Warning	
MSD Status vs Numerical Indicator:	Warning	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30487979046
Sample MS I.D.:	30487979047
Sample MSD I.D.:	30487979048
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	7.373
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.484
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	6.979
Duplicate Numerical Performance Indicator:	1.414
Duplicate Numerical Performance Indicator:	0.377
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	5.90%
MS/MSD Duplicate Status vs Numerical Indicator:	Pass
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

OK

OK

Quality Control Sample Performance Assessment



Analyst *Manually Enter All Fields Highlighted in Yellow.*

Test: Ra-228
Analyst: VAL
Date: 5/18/2022
Worklist: 66700
Matrix: WT

Method Blank Assessment	
MB Sample ID	2443955
MB concentration:	0.314
M/B 2 Sigma CSU:	0.430
MB MDC:	0.900
MB Numerical Performance Indicator:	1.43
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS/D (Y or N)?	
	LCS66700	Y
Count Date:	6/6/2022	LCS66700
Spike I.D.:	22-016	6/6/2022
Decay Corrected Spike Concentration (pCi/mL):	35.484	22-016
Volume Used (mL):	0.10	35.484
Aliquot Volume (L, g, F):	0.805	0.10
Target Conc. (pCi/L, g, F):	4.408	0.816
Uncertainty (Calculated):	0.216	4.349
Result (pCi/L, g, F):	3.814	0.213
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.064	3.312
Numerical Performance Indicator:	-1.07	0.840
Percent Recovery:	86.54%	-2.35
Status vs Numerical Indicator:	N/A	76.15%
Upper % Recovery Limits:	135%	N/A
Lower % Recovery Limits:	60%	Pass

Duplicate Sample Assessment	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Sample I.D.:	LCS66700
Duplicate Sample I.D.:	LCS66700
Sample Result 2 Sigma CSU (pCi/L, g, F):	3.814
Sample Duplicate Result (pCi/L, g, F):	1.064
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	3.312
Are sample and/or duplicate results below RL?	0.840
Duplicate Numerical Performance Indicator:	NO
Duplicate (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	0.727
Duplicate Status vs Numerical Indicator:	12.77%
Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

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

Comments:

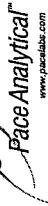
Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date: Sample I.D. Sample MS I.D. Sample MSD I.D. Spike I.D.: MS/MSD Decay Corrected Spike Concentration (pCi/mL): Spike Volume Used in MS (mL): Spike Volume Used in MSD (mL): MS Aliquot (L, g, F): MS Target Conc.(pCi/L, g, F): 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: Duplicate Result 2 Sigma CSU (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D. Sample MS I.D. Sample MSD I.D. Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Duplicate Result 2 Sigma CSU (pCi/L, g, F): Duplicate Numerical Performance Indicator: Duplicate (Based on the Percent Recoveries) MS/MSD Duplicate RPD: MS/MSD Duplicate Status vs Numerical Indicator: MS/MSD Duplicate Status vs RPD: % RPD Limit:

6/10/2022

6/10/2022

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 5/31/2022
Worklist: 66864
Matrix: WT

Method Blank Assessment	
MB Sample ID	2453809
MB concentration:	-0.040
M/B 2 Sigma CSU:	0.285
MB MDC:	0.683
MB Numerical Performance Indicator:	-0.28
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCSID (Y or N)?	Y
LCS66864	LCS66864
Count Date:	6/6/2022
Spike I.D.:	22-016
Decay Corrected Spike Concentration (pCi/mL):	35,484
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.820
Target Conc. (pCi/L, g, F):	4.325
Uncertainty (Calculated):	0.215
Result (pCi/L, g, F):	3.338
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.410
Numerical Performance Indicator:	-17.55
Percent Recovery:	5.46%
Status vs Numerical Indicator:	Fail**
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample I.D.:	LCS66864
Duplicate Sample I.D.:	LCS66864
Sample Result (pCi/L, g, F):	0.240
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.410
Sample Duplicate Result (pCi/L, g, F):	3.338
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.900
Are sample and/or duplicate results below RL?:	NO
Duplicate Numerical Performance Indicator:	-6.142
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	173.55%
Duplicate Status vs Numerical Indicator:	Fail***
Duplicate Status vs RPD:	Fail***
% RPD Limit:	36%

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

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	Sample I.D.:
Sample MS I.D.:	Sample MS I.D.:
Sample MSD I.D.:	Sample MSD I.D.:
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):
Sample Matrix Spike Duplicate Result:	Sample Matrix Spike Duplicate Result:
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	Duplicate Numerical Performance Indicator:
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	(Based on the Percent Recoveries) MS/MSD Duplicate RPD:
MS/MSD Duplicate Status vs Numerical Indicator:	MS/MSD Duplicate Status vs Numerical Indicator:
MS/MSD Duplicate Status vs RPD:	% RPD Limit:

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

Comments:

**Batch must be re-prepped due to LCS failure.
***Batch must be re-prepped due to unacceptable precision.

06/18/22

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 5/27/2022
Batch ID: 66863
Matrix: DW

Method Blank Assessment	
MB Sample ID	2453807
MB concentration:	-0.044
M/B Counting Uncertainty:	0.150
MB MDC:	0.410
MB Numerical Performance Indicator:	-0.58
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	
	LCS66863	Y
Count Date:	6/15/2022	LCS66863
Spike I.D.:	21-040	
Spike Concentration (pCi/mL):	32.430	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.655	
Target Conc. (pCi/L, g, F):	4.942	
Uncertainty (Calculated):	0.232	
Result (pCi/L, g, F):	4.550	
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.823	
Numerical Performance Indicator:	-0.90	
Percent Recovery:	92.06%	
Status vs Numerical Indicator:	N/A	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	73%	

Duplicate Sample Assessment	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Sample I.D.:	LCS66863
Duplicate Sample I.D.:	LCS66863
Sample Result Counting Uncertainty (pCi/L, g, F):	4.550
Sample Duplicate Result (pCi/L, g, F):	0.823
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	3.890
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.790
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	1.134
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	15.79%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass
% RPD Limit:	32%

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

Comments:

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
<p>Sample Collection Date:</p> <p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MSD I.D.:</p> <p>Spike I.D.:</p> <p>MS/MSD Decay Corrected Spike Concentration (pCi/mL):</p> <p>Spike Volume Used in MS (mL):</p> <p>Spike Volume Used in MSD (mL):</p> <p>MS Aliquot (L, g, F):</p> <p>MS Target Conc. (pCi/L, g, F):</p> <p>MSD Aliquot (L, g, F):</p> <p>MSD Target Conc. (pCi/L, g, F):</p> <p>MS Spike Uncertainty (calculated):</p> <p>MSD Spike Uncertainty (calculated):</p> <p>Sample Result Counting Uncertainty (pCi/L, g, F):</p> <p>Sample Matrix Spike Result:</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F):</p> <p>Sample Matrix Spike Duplicate Result:</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):</p> <p>MS Numerical Performance Indicator:</p> <p>MSD Numerical Performance Indicator:</p> <p>MS Percent Recovery:</p> <p>MSD Percent Recovery:</p> <p>MS Status vs Numerical Indicator:</p> <p>MSD Status vs Numerical Indicator:</p> <p>MS Status vs Recovery:</p> <p>MSD Status vs Recovery:</p> <p>MS/MSD Upper % Recovery Limits:</p> <p>MS/MSD Lower % Recovery Limits:</p>		

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

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Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: JC2
Date: 5/25/2022
Worklist: 66697
Matrix: DW

Method Blank Assessment	
MB Sample ID	2443952
MB Concentration:	0.016
M/B Counting Uncertainty:	0.073
MB MDC:	0.195
MB Numerical Performance Indicator:	0.43
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCS#	(Y or N)?	N
		LCS#66697		LCS#66697
Count Date:	5/31/2022			
Spike I.D.:	19-033			
Decay Corrected Spike Concentration (pCi/mL):	24.027			
Volume Used (mL):	0.10			
Aliquot Volume (L, g, F):	0.501			
Target Conc. (pCi/L, g, F):	4.792			
Uncertainty (Calculated):	0.058			
Result (pCi/L, g, F):	4.761			
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.519			
Numerical Performance Indicator:	-0.12			
Percent Recovery:	99.35%			
Status vs Numerical Indicator:	N/A			
Status vs Recovery:	Pass			
Upper % Recovery Limits:	125%			
Lower % Recovery Limits:	75%			

Duplicate Sample Assessment	
Sample I.D.:	
Duplicate Sample I.D.:	
Sample Result (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Sample Duplicate Counting Uncertainty (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:	

Sample Matrix Spike Control Assessment		MS/MSD 1	MS/MSD 2
Sample Collection Date:		30487979014	
Sample I.D.:		30487979015	
Sample MS I.D.:		30487979016	
Sample MSD I.D.:		19-033	
Spike I.D.:		25.335	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		0.20	
Spike Volume Used in MS (mL):		0.20	
Spike Volume Used in MSD (mL):		0.298	
MS Aliquot (L, g, F):		17.012	
MS Target Conc. (pCi/L, g, F):		0.289	
MSD Aliquot (L, g, F):		17.550	
MSD Target Conc. (pCi/L, g, F):		0.204	
MS Spike Uncertainty (calculated):		0.211	
MSD Spike Uncertainty (calculated):		0.024	
Sample Result:		0.191	
Sample Result Counting Uncertainty (pCi/L, g, F):		15.537	
Sample Matrix Spike Result:		1.259	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):		15.623	
Sample Matrix Spike Duplicate Result:		1.422	
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):		-2.279	
MS Numerical Performance Indicator:		-2.637	
MSD Numerical Performance Indicator:		91.19%	
MS Percent Recovery:		88.88%	
MSD Percent Recovery:		N/A	
MS Status vs Numerical Indicator:		N/A	
MSD Status vs Numerical Indicator:		Pass	
MS Status vs Recovery:		Pass	
MSD Status vs Recovery:		Pass	
MS/MSD Upper % Recovery Limits:		125%	
MS/MSD Lower % Recovery Limits:		75%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30487979014
Sample MS I.D.:	30487979015
Sample MSD I.D.:	30487979016
Sample I.D.:	15.537
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.259
Sample Matrix Spike Duplicate Result:	15.623
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	1.422
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	-0.089
Duplicate Numerical Performance Indicator:	2.56%
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	N/A
MS/MSD Duplicate Status vs Numerical Indicator:	Pass
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:

OK Col 11/22

RAM u/lp2

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.



Test: Ra-226
Analyst: JC2
Date: 5/26/2022
Worklist: 66701
Matrix: DW

Method Blank Assessment	
MB Sample ID	2443958
MB concentration:	0.082
M/B Counting Uncertainty:	0.089
MB MDC:	0.170
MB Numerical Performance Indicator:	1.83
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCSD (Y or N)?	Y
Count Date:	6/2/2022	LCSD66701	
Spike I.D.:	19-033		
Decay Corrected Spike Concentration (pCi/mL):	24.027		
Volume Used (mL):	0.10		
Aliquot Volume (L, g, F):	0.512		
Target Conc. (pCi/L, g, F):	4.615		
Uncertainty (Calculated):	0.055		
Result (pCi/L, g, F):	4.476		
LCSD/LCSD Counting Uncertainty (pCi/L, g, F):	0.489		
Numerical Performance Indicator:	-0.55		
Percent Recovery:	96.99%		
Status vs Numerical Indicator:	N/A		
Status vs Recovery:	Pass		
Upper % Recovery Limits:	125%		
Lower % Recovery Limits:	75%		

Duplicate Sample Assessment	
Sample I.D.:	LCS66701
Duplicate Sample I.D.:	LCS66701
Sample Result (pCi/L, g, F):	4.476
Sample Duplicate Result (pCi/L, g, F):	0.489
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	5.032
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.510
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-1.544
Duplicate Percent Recoveries Duplicate RPD:	10.07%
Duplicate Status vs Numerical Indicator:	N/A
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:

DM 6/13/22

LAM 6/13/22

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
<p>Sample Collection Date:</p> <p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MSD I.D.:</p> <p>Spike I.D.:</p> <p>MS/MSD Decay Corrected Spike Concentration (pCi/mL):</p> <p>Spike Volume Used in MS (mL):</p> <p>Spike Volume Used in MSD (mL):</p> <p>MS Aliquot (L, g, F):</p> <p>MS Target Conc. (pCi/L, g, F):</p> <p>MSD Aliquot (L, g, F):</p> <p>MSD Target Conc. (pCi/L, g, F):</p> <p>MS Spike Uncertainty (calculated):</p> <p>MSD Spike Uncertainty (calculated):</p> <p>Sample Result:</p> <p>Sample Result Counting Uncertainty (pCi/L, g, F):</p> <p>Sample Matrix Spike Result:</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F):</p> <p>Sample Matrix Spike Duplicate Result:</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):</p> <p>MS Numerical Performance Indicator:</p> <p>MSD Numerical Performance Indicator:</p> <p>MS Percent Recovery:</p> <p>MSD Percent Recovery:</p> <p>MS Status vs Numerical Indicator:</p> <p>MSD Status vs Numerical Indicator:</p> <p>MS Status vs Recovery:</p> <p>MSD Status vs Recovery:</p> <p>MS/MSD Upper % Recovery Limits:</p> <p>MS/MSD Lower % Recovery Limits:</p>		

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

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: JC2
Date: 6/2/2022
Worklist: 66699
Matrix: DW

Method Blank Assessment	
MB Sample ID	2443954
MB concentration:	0.000
MB Counting Uncertainty:	0.069
MB MDC:	0.188
MB Numerical Performance Indicator:	0.00
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCS (Y or N)?	N
Count Date:		LCS66699	LCS66699
Spike I.D.:	19-033		
Decay Corrected Spike Concentration (pCi/mL):	24.026		
Volume Used (mL):	0.10		
Aliquot Volume (L, g, F):	0.507		
Target Conc. (pCi/L, g, F):	4.742		
Uncertainty (Calculated):	0.057		
Result (pCi/L, g, F):	4.346		
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.434		
Numerical Performance Indicator:	-1.77		
Percent Recovery:	91.64%		
Status vs Numerical Indicator:	N/A		
Status vs Recovery:	Pass		
Upper % Recovery Limits:	125%		
Lower % Recovery Limits:	75%		

Sample Matrix Spike Control Assessment		MS/MSD 1	MS/MSD 2
Sample Collection Date:		5/3/2022	
Sample I.D.:		30487979046	
Sample MS I.D.:		30487979047	
Sample MSD I.D.:		30487979048	
Spike I.D.:		19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		24.027	
Spike Volume Used in MS (mL):		0.20	
Spike Volume Used in MSD (mL):		0.20	
MS Aliquot (L, g, F):		0.261	
MS Target Conc. (pCi/L, g, F):		18.425	
MSD Aliquot (L, g, F):		0.322	
MSD Target Conc. (pCi/L, g, F):		14.932	
MS Spike Uncertainty (calculated):		0.221	
MSD Spike Uncertainty (calculated):		0.179	
Sample Result:		0.223	
Sample Result Counting Uncertainty (pCi/L, g, F):		0.150	
Sample Matrix Spike Result:		19.186	
Sample Matrix Spike Counting Uncertainty (pCi/L, g, F):		1.257	
Sample Matrix Spike Duplicate Result:		15.222	
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):		0.999	
MS Numerical Performance Indicator:		0.821	
MSD Numerical Performance Indicator:		0.129	
MS Percent Recovery:		102.92%	
MSD Percent Recovery:		100.45%	
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.:	
Duplicate Sample I.D.:	
Sample Result (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Sample Result Counting Uncertainty (pCi/L, g, F):	
Sample Duplicate Counting Uncertainty (pCi/L, g, F):	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	
Are sample and/or duplicate results below RL?	
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.:	30487979046
Sample MS I.D.:	30487979047
Sample MSD I.D.:	30487979048
Sample Matrix Spike Result:	19.186
Sample Matrix Spike Counting Uncertainty (pCi/L, g, F):	1.257
Sample Matrix Spike Duplicate Result:	15.222
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	0.999
Duplicate Numerical Performance Indicator:	4.840
Duplicate Numerical Performance Indicator (Based on the Percent Recoveries) MS/MSD Duplicate RPD:	2.43%
MS/MSD Duplicate Status vs Numerical Indicator:	N/A
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	25%

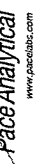
Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

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LAN 6/17/22

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: JC2
Date: 5/16/2022
Worklist: 66702
Matrix: DW

Method Blank Assessment	
MB Sample ID	2443959
MB concentration:	0.000
M/B Counting Uncertainty:	0.079
MB MDC:	0.222
MB Numerical Performance Indicator:	-0.01
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS/D (Y or N)?	
	LCS66702	N LCSDB6702
Count Date:	6/2/2022	
Spike I.D.:	19-033	
Decay Corrected Spike Concentration (pCi/mL):	24.027	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.519	
Target Conc. (pCi/L, g, F):	4.630	
Uncertainty (Calculated):	0.056	
Result (pCi/L, g, F):	4.372	
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.481	
Numerical Performance Indicator:	-1.04	
Percent Recovery:	94.43%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	125%	
Lower % Recovery Limits:	75%	

Duplicate Sample Assessment	
Sample I.D.:	See Below ##
Duplicate Sample I.D.:	
Sample Result (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	
Are sample and/or duplicate results below RL?	
Duplicate Numerical Performance Indicator:	
Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	
% RPD Limit:	

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

Comments:

DW 6/16/22

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	4/20/2022	
Sample I.D.:	30487979007	
Sample MS I.D.:	30487979008	
Sample MSD I.D.:	30487979009	
Spike I.D.:	19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	24.028	
Spike Volume Used in MS (mL):	0.20	
Spike Volume Used in MSD (mL):	0.20	
MS Aliquot (L, g, F):	0.290	
MS Target Conc. (pCi/L, g, F):	16.547	
MSD Aliquot (L, g, F):	0.303	
MSD Target Conc. (pCi/L, g, F):	15.875	
MS Spike Uncertainty (calculated):	0.199	
MSD Spike Uncertainty (calculated):	0.190	
Sample Result:	0.275	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.209	
Sample Matrix Spike Result:	16.035	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.247	
Sample Matrix Spike Duplicate Result:	16.212	
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	1.188	
MS Numerical Performance Indicator:	-1.206	
MSD Numerical Performance Indicator:	0.100	
MS Percent Recovery:	95.24%	
MSD Percent Recovery:	100.39%	
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%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30487979007
Sample MS I.D.:	30487979008
Sample MSD I.D.:	30487979009
Sample Spike Result:	16.035
Sample Matrix Spike Result:	1.247
Sample Matrix Spike Duplicate Result:	16.212
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	1.188
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	-0.202
Duplicate Numerical Performance Indicator:	5.27%
Duplicate RPD:	N/A
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Pass
% RPD Limit:	25%

UAM 6/13/22

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



E.C. Gaston 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).

Due to low yield, wells MW-33V, MW-8 and MW-9 were sampled using the Minimal Purge Method, defined in the Plant Gaston Ash Pond SAP.

Rain was present when pumping and sampling wells MW-19, MW-16 and MW-16V.

Vehicle traffic caused dusty conditions when pumping and sampling wells MW-37V and MW-32V.

Field quality control procedures were performed as follows:

- Blanks and Sample Duplicates were collected as described in the SAP.
- Calibration verifications for all required field parameters were performed daily, before and after sample collection.
 - The dissolved oxygen (DO) sensor for Meter ID: 7586-41446-5-5 operated by TJ Daugherty did not save its initial LCS calibration verification on 8/31/22 prior to sampling. The instrument passed the end-of-day calibration verification for DO on 8/30/22 and passed the end-of-day calibration verification on 8/31/22, showing the DO sensor was calibrated and reading within range during this period.

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-3	COND	Conductivity	8/30/2022 14:49	258.7	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 14:49	4.17	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 14:49	25.67	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 14:49	39.96	mv
GN-AP-MW-3	PH	pH	8/30/2022 14:49	9.32	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 14:49	19.65	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 14:49	7.89	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 14:54	257.82	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 14:54	4.22	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 14:54	26.9	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 14:54	39.51	mv
GN-AP-MW-3	PH	pH	8/30/2022 14:54	9.27	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 14:54	19.62	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 14:54	28.1	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 14:59	257.28	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 14:59	4.37	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 14:59	27.75	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 14:59	39.57	mv
GN-AP-MW-3	PH	pH	8/30/2022 14:59	9.25	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 14:59	19.69	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 14:59	42.8	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:04	257.44	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:04	4.48	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:04	27.6	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:04	39.19	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:04	9.22	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:04	20.02	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:04	43.5	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:09	256.88	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:09	4.67	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:09	27.85	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:09	39.39	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:09	9.22	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:09	20	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:09	32.8	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:14	256.42	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:14	4.76	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:14	27.98	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:14	40.2	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:14	9.21	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:14	20.01	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:14	26.3	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:19	256.67	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-3	DO	DO	8/30/2022 15:19	4.82	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:19	28.05	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:19	40.7	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:19	9.21	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:19	19.98	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:19	19.5	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:24	256.41	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:24	4.9	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:24	28.12	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:24	41.26	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:24	9.21	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:24	19.97	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:24	18.3	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:29	256.07	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:29	4.98	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:29	28.22	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:29	41.75	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:29	9.21	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:29	20	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:29	16.4	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:34	255.77	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:34	5.11	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:34	28.24	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:34	41.95	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:34	9.22	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:34	19.98	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:34	14.6	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:39	255.22	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:39	5.23	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:39	28.28	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:39	42.88	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:39	9.21	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:39	19.97	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:39	13.4	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:44	255.2	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:44	5.3	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:44	28.31	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:44	43.26	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:44	9.22	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:44	19.88	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:44	10.97	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:49	254.83	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:49	5.35	mg/L

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:49	28.31	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:49	43.83	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:49	9.22	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:49	19.87	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:49	10.48	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:54	254.59	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:54	5.38	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:54	28.31	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:54	44.42	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:54	9.23	SU
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:54	19.89	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:54	10.32	NTU
GN-AP-MW-3	COND	Conductivity	8/30/2022 15:59	254.66	uS/cm
GN-AP-MW-3	DO	DO	8/30/2022 15:59	5.44	mg/L
GN-AP-MW-3	DTW	Depth to Water Detail	8/30/2022 15:59	28.31	ft
GN-AP-MW-3	ORP	Oxidation Reduction Potention	8/30/2022 15:59	44.94	mv
GN-AP-MW-3	PH	pH	8/30/2022 15:59	9.22	SU
GN-AP-MW-3	SULFIDE	Sulfide	8/30/2022 15:59	0	mg/L
GN-AP-MW-3	TEMP	Temperature	8/30/2022 15:59	19.9	C
GN-AP-MW-3	TURB	Turbidity	8/30/2022 15:59	8.62	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-5	COND	Conductivity	8/30/2022 8:09	417.38	uS/cm
GN-AP-MW-5	DO	DO	8/30/2022 8:09	4.12	mg/L
GN-AP-MW-5	DTW	Depth to Water Detail	8/30/2022 8:09	21.32	ft
GN-AP-MW-5	ORP	Oxidation Reduction Potention	8/30/2022 8:09	142.61	mv
GN-AP-MW-5	PH	pH	8/30/2022 8:09	7.3	SU
GN-AP-MW-5	TEMP	Temperature	8/30/2022 8:09	20.59	C
GN-AP-MW-5	TURB	Turbidity	8/30/2022 8:09	4.88	NTU
GN-AP-MW-5	COND	Conductivity	8/30/2022 8:14	415.61	uS/cm
GN-AP-MW-5	DO	DO	8/30/2022 8:14	4.22	mg/L
GN-AP-MW-5	DTW	Depth to Water Detail	8/30/2022 8:14	21.32	ft
GN-AP-MW-5	ORP	Oxidation Reduction Potention	8/30/2022 8:14	139.11	mv
GN-AP-MW-5	PH	pH	8/30/2022 8:14	7.38	SU
GN-AP-MW-5	TEMP	Temperature	8/30/2022 8:14	20.61	C
GN-AP-MW-5	TURB	Turbidity	8/30/2022 8:14	6.87	NTU
GN-AP-MW-5	COND	Conductivity	8/30/2022 8:19	414.91	uS/cm
GN-AP-MW-5	DO	DO	8/30/2022 8:19	4.23	mg/L
GN-AP-MW-5	DTW	Depth to Water Detail	8/30/2022 8:19	21.32	ft
GN-AP-MW-5	ORP	Oxidation Reduction Potention	8/30/2022 8:19	135.93	mv
GN-AP-MW-5	PH	pH	8/30/2022 8:19	7.43	SU
GN-AP-MW-5	TEMP	Temperature	8/30/2022 8:19	20.6	C
GN-AP-MW-5	TURB	Turbidity	8/30/2022 8:19	5.48	NTU
GN-AP-MW-5	COND	Conductivity	8/30/2022 8:24	415.1	uS/cm
GN-AP-MW-5	DO	DO	8/30/2022 8:24	4.21	mg/L
GN-AP-MW-5	DTW	Depth to Water Detail	8/30/2022 8:24	21.32	ft
GN-AP-MW-5	ORP	Oxidation Reduction Potention	8/30/2022 8:24	134.57	mv
GN-AP-MW-5	PH	pH	8/30/2022 8:24	7.47	SU
GN-AP-MW-5	SULFIDE	Sulfide	8/30/2022 8:24	0	mg/L
GN-AP-MW-5	TEMP	Temperature	8/30/2022 8:24	20.69	C
GN-AP-MW-5	TURB	Turbidity	8/30/2022 8:24	4.39	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-6	COND	Conductivity	8/30/2022 10:28	591.65	uS/cm
GN-AP-MW-6	DO	DO	8/30/2022 10:28	2.86	mg/L
GN-AP-MW-6	DTW	Depth to Water Detail	8/30/2022 10:28	17.05	ft
GN-AP-MW-6	ORP	Oxidation Reduction Potention	8/30/2022 10:28	41.01	mv
GN-AP-MW-6	PH	pH	8/30/2022 10:28	7.59	SU
GN-AP-MW-6	TEMP	Temperature	8/30/2022 10:28	19.83	C
GN-AP-MW-6	TURB	Turbidity	8/30/2022 10:28	3.91	NTU
GN-AP-MW-6	COND	Conductivity	8/30/2022 10:33	581.59	uS/cm
GN-AP-MW-6	DO	DO	8/30/2022 10:33	1.15	mg/L
GN-AP-MW-6	DTW	Depth to Water Detail	8/30/2022 10:33	17.05	ft
GN-AP-MW-6	ORP	Oxidation Reduction Potention	8/30/2022 10:33	44.64	mv
GN-AP-MW-6	PH	pH	8/30/2022 10:33	7.56	SU
GN-AP-MW-6	TEMP	Temperature	8/30/2022 10:33	19.93	C
GN-AP-MW-6	TURB	Turbidity	8/30/2022 10:33	2.05	NTU
GN-AP-MW-6	COND	Conductivity	8/30/2022 10:38	589.83	uS/cm
GN-AP-MW-6	DO	DO	8/30/2022 10:38	0.63	mg/L
GN-AP-MW-6	DTW	Depth to Water Detail	8/30/2022 10:38	17.05	ft
GN-AP-MW-6	ORP	Oxidation Reduction Potention	8/30/2022 10:38	44.84	mv
GN-AP-MW-6	PH	pH	8/30/2022 10:38	7.58	SU
GN-AP-MW-6	TEMP	Temperature	8/30/2022 10:38	19.86	C
GN-AP-MW-6	TURB	Turbidity	8/30/2022 10:38	2.17	NTU
GN-AP-MW-6	COND	Conductivity	8/30/2022 10:43	595.15	uS/cm
GN-AP-MW-6	DO	DO	8/30/2022 10:43	0.46	mg/L
GN-AP-MW-6	DTW	Depth to Water Detail	8/30/2022 10:43	17.05	ft
GN-AP-MW-6	ORP	Oxidation Reduction Potention	8/30/2022 10:43	44.01	mv
GN-AP-MW-6	PH	pH	8/30/2022 10:43	7.6	SU
GN-AP-MW-6	SULFIDE	Sulfide	8/30/2022 10:43	0	mg/L
GN-AP-MW-6	TEMP	Temperature	8/30/2022 10:43	19.77	C
GN-AP-MW-6	TURB	Turbidity	8/30/2022 10:43	1.69	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-7	COND	Conductivity	8/30/2022 11:18	504.38	uS/cm
GN-AP-MW-7	DO	DO	8/30/2022 11:18	0.36	mg/L
GN-AP-MW-7	DTW	Depth to Water Detail	8/30/2022 11:18	9.22	ft
GN-AP-MW-7	ORP	Oxidation Reduction Potention	8/30/2022 11:18	69.79	mv
GN-AP-MW-7	PH	pH	8/30/2022 11:18	7.56	SU
GN-AP-MW-7	TEMP	Temperature	8/30/2022 11:18	19.97	C
GN-AP-MW-7	TURB	Turbidity	8/30/2022 11:18	0.62	NTU
GN-AP-MW-7	COND	Conductivity	8/30/2022 11:23	502.57	uS/cm
GN-AP-MW-7	DO	DO	8/30/2022 11:23	0.28	mg/L
GN-AP-MW-7	DTW	Depth to Water Detail	8/30/2022 11:23	9.22	ft
GN-AP-MW-7	ORP	Oxidation Reduction Potention	8/30/2022 11:23	70.24	mv
GN-AP-MW-7	PH	pH	8/30/2022 11:23	7.52	SU
GN-AP-MW-7	TEMP	Temperature	8/30/2022 11:23	19.98	C
GN-AP-MW-7	TURB	Turbidity	8/30/2022 11:23	0.52	NTU
GN-AP-MW-7	COND	Conductivity	8/30/2022 11:28	500.76	uS/cm
GN-AP-MW-7	DO	DO	8/30/2022 11:28	0.25	mg/L
GN-AP-MW-7	DTW	Depth to Water Detail	8/30/2022 11:28	9.22	ft
GN-AP-MW-7	ORP	Oxidation Reduction Potention	8/30/2022 11:28	68.04	mv
GN-AP-MW-7	PH	pH	8/30/2022 11:28	7.54	SU
GN-AP-MW-7	TEMP	Temperature	8/30/2022 11:28	19.69	C
GN-AP-MW-7	TURB	Turbidity	8/30/2022 11:28	0.62	NTU
GN-AP-MW-7	COND	Conductivity	8/30/2022 11:33	500.54	uS/cm
GN-AP-MW-7	DO	DO	8/30/2022 11:33	0.23	mg/L
GN-AP-MW-7	DTW	Depth to Water Detail	8/30/2022 11:33	9.22	ft
GN-AP-MW-7	ORP	Oxidation Reduction Potention	8/30/2022 11:33	65.38	mv
GN-AP-MW-7	PH	pH	8/30/2022 11:33	7.57	SU
GN-AP-MW-7	SULFIDE	Sulfide	8/30/2022 11:33	0	mg/L
GN-AP-MW-7	TEMP	Temperature	8/30/2022 11:33	19.82	C
GN-AP-MW-7	TURB	Turbidity	8/30/2022 11:33	0.38	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-15R	COND	Conductivity	8/31/2022 9:20	881.06	uS/cm
GN-AP-MW-15R	DO	DO	8/31/2022 9:20	0.72	mg/L
GN-AP-MW-15R	DTW	Depth to Water Detail	8/31/2022 9:20	45.52	ft
GN-AP-MW-15R	ORP	Oxidation Reduction Potention	8/31/2022 9:20	28.83	mv
GN-AP-MW-15R	PH	pH	8/31/2022 9:20	7.69	SU
GN-AP-MW-15R	TEMP	Temperature	8/31/2022 9:20	21.22	C
GN-AP-MW-15R	TURB	Turbidity	8/31/2022 9:20	4.12	NTU
GN-AP-MW-15R	COND	Conductivity	8/31/2022 9:25	879.28	uS/cm
GN-AP-MW-15R	DO	DO	8/31/2022 9:25	0.69	mg/L
GN-AP-MW-15R	DTW	Depth to Water Detail	8/31/2022 9:25	45.72	ft
GN-AP-MW-15R	ORP	Oxidation Reduction Potention	8/31/2022 9:25	31.41	mv
GN-AP-MW-15R	PH	pH	8/31/2022 9:25	7.64	SU
GN-AP-MW-15R	TEMP	Temperature	8/31/2022 9:25	21.18	C
GN-AP-MW-15R	TURB	Turbidity	8/31/2022 9:25	0.68	NTU
GN-AP-MW-15R	COND	Conductivity	8/31/2022 9:30	878.69	uS/cm
GN-AP-MW-15R	DO	DO	8/31/2022 9:30	0.69	mg/L
GN-AP-MW-15R	DTW	Depth to Water Detail	8/31/2022 9:30	45.96	ft
GN-AP-MW-15R	ORP	Oxidation Reduction Potention	8/31/2022 9:30	32.96	mv
GN-AP-MW-15R	PH	pH	8/31/2022 9:30	7.6	SU
GN-AP-MW-15R	TEMP	Temperature	8/31/2022 9:30	21.17	C
GN-AP-MW-15R	TURB	Turbidity	8/31/2022 9:30	0.31	NTU
GN-AP-MW-15R	COND	Conductivity	8/31/2022 9:35	877.89	uS/cm
GN-AP-MW-15R	DO	DO	8/31/2022 9:35	0.69	mg/L
GN-AP-MW-15R	DTW	Depth to Water Detail	8/31/2022 9:35	46.19	ft
GN-AP-MW-15R	ORP	Oxidation Reduction Potention	8/31/2022 9:35	33.13	mv
GN-AP-MW-15R	PH	pH	8/31/2022 9:35	7.59	SU
GN-AP-MW-15R	TEMP	Temperature	8/31/2022 9:35	21.13	C
GN-AP-MW-15R	TURB	Turbidity	8/31/2022 9:35	0.29	NTU
GN-AP-MW-15R	COND	Conductivity	8/31/2022 9:40	877.77	uS/cm
GN-AP-MW-15R	DO	DO	8/31/2022 9:40	0.66	mg/L
GN-AP-MW-15R	DTW	Depth to Water Detail	8/31/2022 9:40	46.22	ft
GN-AP-MW-15R	ORP	Oxidation Reduction Potention	8/31/2022 9:40	30.11	mv
GN-AP-MW-15R	PH	pH	8/31/2022 9:40	7.6	SU
GN-AP-MW-15R	SULFIDE	Sulfide	8/31/2022 9:40	0	mg/L
GN-AP-MW-15R	TEMP	Temperature	8/31/2022 9:40	21.06	C
GN-AP-MW-15R	TURB	Turbidity	8/31/2022 9:40	0.33	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-16	COND	Conductivity	8/30/2022 12:29	598.01	uS/cm
GN-AP-MW-16	DO	DO	8/30/2022 12:29	0.22	mg/L
GN-AP-MW-16	DTW	Depth to Water Detail	8/30/2022 12:29	23.94	ft
GN-AP-MW-16	ORP	Oxidation Reduction Potention	8/30/2022 12:29	39.66	mv
GN-AP-MW-16	PH	pH	8/30/2022 12:29	7.73	SU
GN-AP-MW-16	TEMP	Temperature	8/30/2022 12:29	21.17	C
GN-AP-MW-16	TURB	Turbidity	8/30/2022 12:29	4.78	NTU
GN-AP-MW-16	COND	Conductivity	8/30/2022 12:34	619.87	uS/cm
GN-AP-MW-16	DO	DO	8/30/2022 12:34	0.18	mg/L
GN-AP-MW-16	DTW	Depth to Water Detail	8/30/2022 12:34	23.94	ft
GN-AP-MW-16	ORP	Oxidation Reduction Potention	8/30/2022 12:34	-14.74	mv
GN-AP-MW-16	PH	pH	8/30/2022 12:34	7.77	SU
GN-AP-MW-16	TEMP	Temperature	8/30/2022 12:34	21.07	C
GN-AP-MW-16	TURB	Turbidity	8/30/2022 12:34	2.79	NTU
GN-AP-MW-16	COND	Conductivity	8/30/2022 12:39	626.11	uS/cm
GN-AP-MW-16	DO	DO	8/30/2022 12:39	0.17	mg/L
GN-AP-MW-16	DTW	Depth to Water Detail	8/30/2022 12:39	23.94	ft
GN-AP-MW-16	ORP	Oxidation Reduction Potention	8/30/2022 12:39	-53.41	mv
GN-AP-MW-16	PH	pH	8/30/2022 12:39	7.8	SU
GN-AP-MW-16	TEMP	Temperature	8/30/2022 12:39	21.15	C
GN-AP-MW-16	TURB	Turbidity	8/30/2022 12:39	2.12	NTU
GN-AP-MW-16	COND	Conductivity	8/30/2022 12:44	631.66	uS/cm
GN-AP-MW-16	DO	DO	8/30/2022 12:44	0.16	mg/L
GN-AP-MW-16	DTW	Depth to Water Detail	8/30/2022 12:44	23.94	ft
GN-AP-MW-16	ORP	Oxidation Reduction Potention	8/30/2022 12:44	-75.27	mv
GN-AP-MW-16	PH	pH	8/30/2022 12:44	7.84	SU
GN-AP-MW-16	SULFIDE	Sulfide	8/30/2022 12:44	0	mg/L
GN-AP-MW-16	TEMP	Temperature	8/30/2022 12:44	21.14	C
GN-AP-MW-16	TURB	Turbidity	8/30/2022 12:44	1.73	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-16V	COND	Conductivity	8/30/2022 13:25	527.92	uS/cm
GN-AP-MW-16V	DO	DO	8/30/2022 13:25	0.69	mg/L
GN-AP-MW-16V	DTW	Depth to Water Detail	8/30/2022 13:25	23.51	ft
GN-AP-MW-16V	ORP	Oxidation Reduction Potention	8/30/2022 13:25	-32.32	mv
GN-AP-MW-16V	PH	pH	8/30/2022 13:25	8.75	SU
GN-AP-MW-16V	TEMP	Temperature	8/30/2022 13:25	21.61	C
GN-AP-MW-16V	TURB	Turbidity	8/30/2022 13:25	2.03	NTU
GN-AP-MW-16V	COND	Conductivity	8/30/2022 13:30	528.44	uS/cm
GN-AP-MW-16V	DO	DO	8/30/2022 13:30	0.52	mg/L
GN-AP-MW-16V	DTW	Depth to Water Detail	8/30/2022 13:30	23.92	ft
GN-AP-MW-16V	ORP	Oxidation Reduction Potention	8/30/2022 13:30	-45.99	mv
GN-AP-MW-16V	PH	pH	8/30/2022 13:30	8.95	SU
GN-AP-MW-16V	TEMP	Temperature	8/30/2022 13:30	21.62	C
GN-AP-MW-16V	TURB	Turbidity	8/30/2022 13:30	1.64	NTU
GN-AP-MW-16V	COND	Conductivity	8/30/2022 13:35	523.09	uS/cm
GN-AP-MW-16V	DO	DO	8/30/2022 13:35	0.48	mg/L
GN-AP-MW-16V	DTW	Depth to Water Detail	8/30/2022 13:35	23.92	ft
GN-AP-MW-16V	ORP	Oxidation Reduction Potention	8/30/2022 13:35	-52.29	mv
GN-AP-MW-16V	PH	pH	8/30/2022 13:35	8.98	SU
GN-AP-MW-16V	TEMP	Temperature	8/30/2022 13:35	21.6	C
GN-AP-MW-16V	TURB	Turbidity	8/30/2022 13:35	0.6	NTU
GN-AP-MW-16V	COND	Conductivity	8/30/2022 13:40	513.25	uS/cm
GN-AP-MW-16V	DO	DO	8/30/2022 13:40	0.5	mg/L
GN-AP-MW-16V	DTW	Depth to Water Detail	8/30/2022 13:40	23.92	ft
GN-AP-MW-16V	ORP	Oxidation Reduction Potention	8/30/2022 13:40	-54.26	mv
GN-AP-MW-16V	PH	pH	8/30/2022 13:40	8.94	SU
GN-AP-MW-16V	SULFIDE	Sulfide	8/30/2022 13:40	0	mg/L
GN-AP-MW-16V	TEMP	Temperature	8/30/2022 13:40	21.48	C
GN-AP-MW-16V	TURB	Turbidity	8/30/2022 13:40	0.74	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-21	COND	Conductivity	8/30/2022 9:47	593.89	uS/cm
GN-AP-MW-21	DO	DO	8/30/2022 9:47	0.14	mg/L
GN-AP-MW-21	DTW	Depth to Water Detail	8/30/2022 9:47	20.9	ft
GN-AP-MW-21	ORP	Oxidation Reduction Potention	8/30/2022 9:47	133.63	mv
GN-AP-MW-21	PH	pH	8/30/2022 9:47	7.26	SU
GN-AP-MW-21	TEMP	Temperature	8/30/2022 9:47	19.44	C
GN-AP-MW-21	TURB	Turbidity	8/30/2022 9:47	1.62	NTU
GN-AP-MW-21	COND	Conductivity	8/30/2022 9:52	593.46	uS/cm
GN-AP-MW-21	DO	DO	8/30/2022 9:52	0.13	mg/L
GN-AP-MW-21	DTW	Depth to Water Detail	8/30/2022 9:52	21.1	ft
GN-AP-MW-21	ORP	Oxidation Reduction Potention	8/30/2022 9:52	42.67	mv
GN-AP-MW-21	PH	pH	8/30/2022 9:52	7.32	SU
GN-AP-MW-21	TEMP	Temperature	8/30/2022 9:52	19.45	C
GN-AP-MW-21	TURB	Turbidity	8/30/2022 9:52	1.05	NTU
GN-AP-MW-21	COND	Conductivity	8/30/2022 9:57	592.85	uS/cm
GN-AP-MW-21	DO	DO	8/30/2022 9:57	0.11	mg/L
GN-AP-MW-21	DTW	Depth to Water Detail	8/30/2022 9:57	21.1	ft
GN-AP-MW-21	ORP	Oxidation Reduction Potention	8/30/2022 9:57	-45.55	mv
GN-AP-MW-21	PH	pH	8/30/2022 9:57	7.39	SU
GN-AP-MW-21	TEMP	Temperature	8/30/2022 9:57	19.5	C
GN-AP-MW-21	TURB	Turbidity	8/30/2022 9:57	0.79	NTU
GN-AP-MW-21	COND	Conductivity	8/30/2022 10:02	593.97	uS/cm
GN-AP-MW-21	DO	DO	8/30/2022 10:02	0.1	mg/L
GN-AP-MW-21	DTW	Depth to Water Detail	8/30/2022 10:02	21.1	ft
GN-AP-MW-21	ORP	Oxidation Reduction Potention	8/30/2022 10:02	-71.25	mv
GN-AP-MW-21	PH	pH	8/30/2022 10:02	7.45	SU
GN-AP-MW-21	SULFIDE	Sulfide	8/30/2022 10:02	0	mg/L
GN-AP-MW-21	TEMP	Temperature	8/30/2022 10:02	19.53	C
GN-AP-MW-21	TURB	Turbidity	8/30/2022 10:02	0.53	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-22	COND	Conductivity	8/30/2022 9:02	512.64	uS/cm
GN-AP-MW-22	DO	DO	8/30/2022 9:02	0.2	mg/L
GN-AP-MW-22	DTW	Depth to Water Detail	8/30/2022 9:02	17.02	ft
GN-AP-MW-22	ORP	Oxidation Reduction Potention	8/30/2022 9:02	146.33	mv
GN-AP-MW-22	PH	pH	8/30/2022 9:02	7.14	SU
GN-AP-MW-22	TEMP	Temperature	8/30/2022 9:02	19.57	C
GN-AP-MW-22	TURB	Turbidity	8/30/2022 9:02	0.4	NTU
GN-AP-MW-22	COND	Conductivity	8/30/2022 9:07	512.57	uS/cm
GN-AP-MW-22	DO	DO	8/30/2022 9:07	0.16	mg/L
GN-AP-MW-22	DTW	Depth to Water Detail	8/30/2022 9:07	17.02	ft
GN-AP-MW-22	ORP	Oxidation Reduction Potention	8/30/2022 9:07	146.12	mv
GN-AP-MW-22	PH	pH	8/30/2022 9:07	7.1	SU
GN-AP-MW-22	TEMP	Temperature	8/30/2022 9:07	19.63	C
GN-AP-MW-22	TURB	Turbidity	8/30/2022 9:07	0.42	NTU
GN-AP-MW-22	COND	Conductivity	8/30/2022 9:12	512.58	uS/cm
GN-AP-MW-22	DO	DO	8/30/2022 9:12	0.15	mg/L
GN-AP-MW-22	DTW	Depth to Water Detail	8/30/2022 9:12	17.02	ft
GN-AP-MW-22	ORP	Oxidation Reduction Potention	8/30/2022 9:12	142.68	mv
GN-AP-MW-22	PH	pH	8/30/2022 9:12	7.14	SU
GN-AP-MW-22	TEMP	Temperature	8/30/2022 9:12	19.64	C
GN-AP-MW-22	TURB	Turbidity	8/30/2022 9:12	0.39	NTU
GN-AP-MW-22	COND	Conductivity	8/30/2022 9:17	512.7	uS/cm
GN-AP-MW-22	DO	DO	8/30/2022 9:17	0.13	mg/L
GN-AP-MW-22	DTW	Depth to Water Detail	8/30/2022 9:17	17.02	ft
GN-AP-MW-22	ORP	Oxidation Reduction Potention	8/30/2022 9:17	139.16	mv
GN-AP-MW-22	PH	pH	8/30/2022 9:17	7.17	SU
GN-AP-MW-22	SULFIDE	Sulfide	8/30/2022 9:17	0	mg/L
GN-AP-MW-22	TEMP	Temperature	8/30/2022 9:17	19.62	C
GN-AP-MW-22	TURB	Turbidity	8/30/2022 9:17	0.24	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-26	COND	Conductivity	8/29/2022 17:53	542.5	uS/cm
GN-AP-MW-26	DO	DO	8/29/2022 17:53	3.35	mg/L
GN-AP-MW-26	DTW	Depth to Water Detail	8/29/2022 17:53	14.35	ft
GN-AP-MW-26	ORP	Oxidation Reduction Potention	8/29/2022 17:53	67.37	mv
GN-AP-MW-26	PH	pH	8/29/2022 17:53	7.45	SU
GN-AP-MW-26	TEMP	Temperature	8/29/2022 17:53	18.86	C
GN-AP-MW-26	TURB	Turbidity	8/29/2022 17:53	0.12	NTU
GN-AP-MW-26	COND	Conductivity	8/29/2022 17:58	544.18	uS/cm
GN-AP-MW-26	DO	DO	8/29/2022 17:58	3.26	mg/L
GN-AP-MW-26	DTW	Depth to Water Detail	8/29/2022 17:58	20.25	ft
GN-AP-MW-26	ORP	Oxidation Reduction Potention	8/29/2022 17:58	73.67	mv
GN-AP-MW-26	PH	pH	8/29/2022 17:58	7.36	SU
GN-AP-MW-26	TEMP	Temperature	8/29/2022 17:58	18.86	C
GN-AP-MW-26	TURB	Turbidity	8/29/2022 17:58	0.11	NTU
GN-AP-MW-26	COND	Conductivity	8/29/2022 18:03	547.7	uS/cm
GN-AP-MW-26	DO	DO	8/29/2022 18:03	3.02	mg/L
GN-AP-MW-26	DTW	Depth to Water Detail	8/29/2022 18:03	20.22	ft
GN-AP-MW-26	ORP	Oxidation Reduction Potention	8/29/2022 18:03	76.69	mv
GN-AP-MW-26	PH	pH	8/29/2022 18:03	7.31	SU
GN-AP-MW-26	TEMP	Temperature	8/29/2022 18:03	19.18	C
GN-AP-MW-26	TURB	Turbidity	8/29/2022 18:03	0.3	NTU
GN-AP-MW-26	COND	Conductivity	8/29/2022 18:08	550.34	uS/cm
GN-AP-MW-26	DO	DO	8/29/2022 18:08	2.92	mg/L
GN-AP-MW-26	DTW	Depth to Water Detail	8/29/2022 18:08	20.22	ft
GN-AP-MW-26	ORP	Oxidation Reduction Potention	8/29/2022 18:08	80.03	mv
GN-AP-MW-26	PH	pH	8/29/2022 18:08	7.25	SU
GN-AP-MW-26	TEMP	Temperature	8/29/2022 18:08	18.87	C
GN-AP-MW-26	TURB	Turbidity	8/29/2022 18:08	0.23	NTU
GN-AP-MW-26	COND	Conductivity	8/29/2022 18:13	551.95	uS/cm
GN-AP-MW-26	DO	DO	8/29/2022 18:13	2.76	mg/L
GN-AP-MW-26	DTW	Depth to Water Detail	8/29/2022 18:13	20.22	ft
GN-AP-MW-26	ORP	Oxidation Reduction Potention	8/29/2022 18:13	80.06	mv
GN-AP-MW-26	PH	pH	8/29/2022 18:13	7.27	SU
GN-AP-MW-26	SULFIDE	Sulfide	8/29/2022 18:13	0	mg/L
GN-AP-MW-26	TEMP	Temperature	8/29/2022 18:13	18.92	C
GN-AP-MW-26	TURB	Turbidity	8/29/2022 18:13	0.36	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-30H	COND	Conductivity	8/31/2022 10:36	899.1	uS/cm
GN-AP-MW-30H	DO	DO	8/31/2022 10:36	0.28	mg/L
GN-AP-MW-30H	DTW	Depth to Water Detail	8/31/2022 10:36	44.45	ft
GN-AP-MW-30H	ORP	Oxidation Reduction Potention	8/31/2022 10:36	-86.8	mv
GN-AP-MW-30H	PH	pH	8/31/2022 10:36	7.24	SU
GN-AP-MW-30H	TEMP	Temperature	8/31/2022 10:36	20.65	C
GN-AP-MW-30H	TURB	Turbidity	8/31/2022 10:36	0.5	NTU
GN-AP-MW-30H	COND	Conductivity	8/31/2022 10:41	819.28	uS/cm
GN-AP-MW-30H	DO	DO	8/31/2022 10:41	0.23	mg/L
GN-AP-MW-30H	DTW	Depth to Water Detail	8/31/2022 10:41	44.95	ft
GN-AP-MW-30H	ORP	Oxidation Reduction Potention	8/31/2022 10:41	-80.81	mv
GN-AP-MW-30H	PH	pH	8/31/2022 10:41	7.2	SU
GN-AP-MW-30H	TEMP	Temperature	8/31/2022 10:41	20.66	C
GN-AP-MW-30H	TURB	Turbidity	8/31/2022 10:41	0.19	NTU
GN-AP-MW-30H	COND	Conductivity	8/31/2022 10:46	765.96	uS/cm
GN-AP-MW-30H	DO	DO	8/31/2022 10:46	0.22	mg/L
GN-AP-MW-30H	DTW	Depth to Water Detail	8/31/2022 10:46	45.1	ft
GN-AP-MW-30H	ORP	Oxidation Reduction Potention	8/31/2022 10:46	-73.5	mv
GN-AP-MW-30H	PH	pH	8/31/2022 10:46	7.18	SU
GN-AP-MW-30H	TEMP	Temperature	8/31/2022 10:46	20.65	C
GN-AP-MW-30H	TURB	Turbidity	8/31/2022 10:46	0.13	NTU
GN-AP-MW-30H	COND	Conductivity	8/31/2022 10:51	737.75	uS/cm
GN-AP-MW-30H	DO	DO	8/31/2022 10:51	0.22	mg/L
GN-AP-MW-30H	DTW	Depth to Water Detail	8/31/2022 10:51	45.19	ft
GN-AP-MW-30H	ORP	Oxidation Reduction Potention	8/31/2022 10:51	-69.71	mv
GN-AP-MW-30H	PH	pH	8/31/2022 10:51	7.19	SU
GN-AP-MW-30H	TEMP	Temperature	8/31/2022 10:51	20.63	C
GN-AP-MW-30H	TURB	Turbidity	8/31/2022 10:51	0.08	NTU
GN-AP-MW-30H	COND	Conductivity	8/31/2022 10:56	724.45	uS/cm
GN-AP-MW-30H	DO	DO	8/31/2022 10:56	0.21	mg/L
GN-AP-MW-30H	DTW	Depth to Water Detail	8/31/2022 10:56	45.19	ft
GN-AP-MW-30H	ORP	Oxidation Reduction Potention	8/31/2022 10:56	-67	mv
GN-AP-MW-30H	PH	pH	8/31/2022 10:56	7.19	SU
GN-AP-MW-30H	TEMP	Temperature	8/31/2022 10:56	20.58	C
GN-AP-MW-30H	TURB	Turbidity	8/31/2022 10:56	0.04	NTU
GN-AP-MW-30H	COND	Conductivity	8/31/2022 11:01	718.92	uS/cm
GN-AP-MW-30H	DO	DO	8/31/2022 11:01	0.21	mg/L
GN-AP-MW-30H	DTW	Depth to Water Detail	8/31/2022 11:01	45.21	ft
GN-AP-MW-30H	ORP	Oxidation Reduction Potention	8/31/2022 11:01	-67.82	mv
GN-AP-MW-30H	PH	pH	8/31/2022 11:01	7.17	SU
GN-AP-MW-30H	SULFIDE	Sulfide	8/31/2022 11:01	0	mg/L
GN-AP-MW-30H	TEMP	Temperature	8/31/2022 11:01	20.74	C
GN-AP-MW-30H	TURB	Turbidity	8/31/2022 11:01	0.09	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 11:35	491.06	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 11:35	0.33	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 11:35	44.45	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 11:35	-180.78	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 11:35	7.95	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 11:35	21.79	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 11:35	0.72	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 11:40	492.77	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 11:40	0.34	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 11:40	44.42	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 11:40	-183.69	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 11:40	7.96	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 11:40	21.59	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 11:40	0.43	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 11:45	493.05	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 11:45	0.36	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 11:45	46.5	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 11:45	-184.53	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 11:45	7.96	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 11:45	21.73	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 11:45	0.11	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 11:50	491.79	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 11:50	0.39	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 11:50	46.96	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 11:50	-185.86	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 11:50	7.97	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 11:50	21.57	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 11:50	0.7	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 11:55	492.31	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 11:55	0.41	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 11:55	47.65	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 11:55	-187.01	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 11:55	7.96	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 11:55	21.57	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 11:55	0.17	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:00	492.31	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:00	0.41	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:00	48.52	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:00	-188.04	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:00	7.96	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:00	21.59	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:00	0.27	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:05	492.25	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	DO	DO	8/31/2022 12:05	0.43	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:05	49.4	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:05	-189.35	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:05	7.96	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:05	21.46	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:05	0.21	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:10	491.97	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:10	0.41	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:10	50.45	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:10	-190.99	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:10	7.96	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:10	21.51	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:10	0.06	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:15	494.88	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:15	0.55	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:15	50.65	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:15	-191.87	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:15	7.94	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:15	22.88	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:15	0.55	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:20	495.95	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:20	0.7	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:20	50.86	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:20	-192.22	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:20	7.92	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:20	24.32	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:20	0.08	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:25	495.91	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:25	0.82	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:25	51.15	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:25	-191.98	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:25	7.9	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:25	24.52	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:25	0.37	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:30	496.89	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:30	1	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:30	51.32	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:30	-190.46	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:30	7.9	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:30	24.99	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:30	0.21	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:35	495.92	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:35	1.08	mg/L

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:35	51.47	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:35	-190.9	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:35	7.88	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:35	25.14	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:35	0.19	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:40	495.25	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:40	1.05	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:40	51.65	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:40	-192.61	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:40	7.87	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:40	24.98	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:40	0.25	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:45	494.23	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:45	1.01	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:45	51.88	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:45	-194.75	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:45	7.86	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:45	24.93	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:45	0.29	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:50	493.36	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:50	0.97	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:50	52.12	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:50	-197.4	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:50	7.85	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:50	24.8	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:50	0.2	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 12:55	492.17	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 12:55	0.92	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 12:55	52.34	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 12:55	-199.27	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 12:55	7.85	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 12:55	24.74	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 12:55	0.27	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:00	492.18	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:00	0.89	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:00	52.58	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:00	-201.26	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:00	7.84	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:00	24.97	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:00	0.18	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:05	486.67	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:05	0.66	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:05	52.85	ft

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:05	-203.43	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:05	7.83	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:05	22.5	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:05	0.18	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:10	483.82	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:10	0.36	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:10	53.7	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:10	-213.58	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:10	7.86	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:10	21.59	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:10	0.18	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:15	483.41	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:15	0.32	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:15	54.21	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:15	-220.11	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:15	7.83	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:15	21.47	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:15	0.16	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:20	483.21	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:20	0.32	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:20	54.95	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:20	-223.35	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:20	7.83	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:20	21.65	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:20	0.07	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:25	481.81	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:25	0.35	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:25	55.8	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:25	-224.51	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:25	7.81	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:25	21.41	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:25	0.04	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:30	480.62	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:30	0.33	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:30	56.6	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:30	-225.75	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:30	7.8	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:30	21.58	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:30	0.06	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:35	479.63	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:35	0.36	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:35	57.3	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:35	-227.12	mv

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	PH	pH	8/31/2022 13:35	7.81	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:35	21.58	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:35	0.1	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:40	480.07	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:40	0.36	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:40	58.1	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:40	-227.67	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:40	7.8	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:40	21.33	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:40	0.1	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:45	481.76	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:45	0.37	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:45	58.8	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:45	-229	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:45	7.8	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:45	21.48	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:45	0.16	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:50	481.01	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:50	0.38	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:50	59.5	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:50	-229.87	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:50	7.8	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:50	21.35	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:50	0.07	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 13:55	481.96	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 13:55	0.36	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 13:55	60.21	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 13:55	-231.55	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 13:55	7.79	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 13:55	21.72	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 13:55	0.11	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 14:00	479.93	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 14:00	0.39	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 14:00	60.98	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 14:00	-232.22	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 14:00	7.8	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 14:00	21.56	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 14:00	0.1	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 14:05	481.8	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 14:05	0.39	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 14:05	61.7	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 14:05	-232.88	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 14:05	7.79	SU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 14:05	21.54	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 14:05	0.13	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 14:10	487.91	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 14:10	0.69	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 14:10	62.18	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 14:10	-228.57	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 14:10	7.78	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 14:10	24.39	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 14:10	0.12	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 14:15	487.15	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 14:15	0.75	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 14:15	62.34	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 14:15	-227.12	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 14:15	7.76	SU
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 14:15	24.92	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 14:15	0.06	NTU
GN-AP-MW-31VR	COND	Conductivity	8/31/2022 14:20	486.46	uS/cm
GN-AP-MW-31VR	DO	DO	8/31/2022 14:20	0.82	mg/L
GN-AP-MW-31VR	DTW	Depth to Water Detail	8/31/2022 14:20	62.47	ft
GN-AP-MW-31VR	ORP	Oxidation Reduction Potention	8/31/2022 14:20	-223.34	mv
GN-AP-MW-31VR	PH	pH	8/31/2022 14:20	7.76	SU
GN-AP-MW-31VR	SULFIDE	Sulfide	8/31/2022 14:20	3	mg/L
GN-AP-MW-31VR	TEMP	Temperature	8/31/2022 14:20	24.73	C
GN-AP-MW-31VR	TURB	Turbidity	8/31/2022 14:20	0.06	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-38	COND	Conductivity	8/29/2022 11:42	203.61	uS/cm
GN-AP-MW-38	DO	DO	8/29/2022 11:42	5.64	mg/L
GN-AP-MW-38	DTW	Depth to Water Detail	8/29/2022 11:42	9.75	ft
GN-AP-MW-38	ORP	Oxidation Reduction Potention	8/29/2022 11:42	179.02	mv
GN-AP-MW-38	PH	pH	8/29/2022 11:42	8.12	SU
GN-AP-MW-38	TEMP	Temperature	8/29/2022 11:42	19.57	C
GN-AP-MW-38	TURB	Turbidity	8/29/2022 11:42	3.93	NTU
GN-AP-MW-38	COND	Conductivity	8/29/2022 11:47	202.86	uS/cm
GN-AP-MW-38	DO	DO	8/29/2022 11:47	5.58	mg/L
GN-AP-MW-38	DTW	Depth to Water Detail	8/29/2022 11:47	9.75	ft
GN-AP-MW-38	ORP	Oxidation Reduction Potention	8/29/2022 11:47	171.88	mv
GN-AP-MW-38	PH	pH	8/29/2022 11:47	8.1	SU
GN-AP-MW-38	TEMP	Temperature	8/29/2022 11:47	19.45	C
GN-AP-MW-38	TURB	Turbidity	8/29/2022 11:47	3.93	NTU
GN-AP-MW-38	COND	Conductivity	8/29/2022 11:52	201.73	uS/cm
GN-AP-MW-38	DO	DO	8/29/2022 11:52	5.66	mg/L
GN-AP-MW-38	DTW	Depth to Water Detail	8/29/2022 11:52	9.75	ft
GN-AP-MW-38	ORP	Oxidation Reduction Potention	8/29/2022 11:52	167.23	mv
GN-AP-MW-38	PH	pH	8/29/2022 11:52	8.12	SU
GN-AP-MW-38	TEMP	Temperature	8/29/2022 11:52	19.18	C
GN-AP-MW-38	TURB	Turbidity	8/29/2022 11:52	6.04	NTU
GN-AP-MW-38	COND	Conductivity	8/29/2022 11:57	202.23	uS/cm
GN-AP-MW-38	DO	DO	8/29/2022 11:57	5.7	mg/L
GN-AP-MW-38	DTW	Depth to Water Detail	8/29/2022 11:57	9.75	ft
GN-AP-MW-38	ORP	Oxidation Reduction Potention	8/29/2022 11:57	162.61	mv
GN-AP-MW-38	PH	pH	8/29/2022 11:57	8.12	SU
GN-AP-MW-38	TEMP	Temperature	8/29/2022 11:57	19.29	C
GN-AP-MW-38	TURB	Turbidity	8/29/2022 11:57	5.23	NTU
GN-AP-MW-38	COND	Conductivity	8/29/2022 12:02	202.34	uS/cm
GN-AP-MW-38	DO	DO	8/29/2022 12:02	5.7	mg/L
GN-AP-MW-38	DTW	Depth to Water Detail	8/29/2022 12:02	9.75	ft
GN-AP-MW-38	ORP	Oxidation Reduction Potention	8/29/2022 12:02	160.69	mv
GN-AP-MW-38	PH	pH	8/29/2022 12:02	8.09	SU
GN-AP-MW-38	SULFIDE	Sulfide	8/29/2022 12:02	0	mg/L
GN-AP-MW-38	TEMP	Temperature	8/29/2022 12:02	19.37	C
GN-AP-MW-38	TURB	Turbidity	8/29/2022 12:02	4.15	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-39	COND	Conductivity	8/29/2022 16:36	238.75	uS/cm
GN-AP-MW-39	DO	DO	8/29/2022 16:36	0.2	mg/L
GN-AP-MW-39	DTW	Depth to Water Detail	8/29/2022 16:36	20.98	ft
GN-AP-MW-39	ORP	Oxidation Reduction Potention	8/29/2022 16:36	-103.96	mv
GN-AP-MW-39	PH	pH	8/29/2022 16:36	6.87	SU
GN-AP-MW-39	TEMP	Temperature	8/29/2022 16:36	19.15	C
GN-AP-MW-39	TURB	Turbidity	8/29/2022 16:36	0.88	NTU
GN-AP-MW-39	COND	Conductivity	8/29/2022 16:41	233.54	uS/cm
GN-AP-MW-39	DO	DO	8/29/2022 16:41	0.2	mg/L
GN-AP-MW-39	DTW	Depth to Water Detail	8/29/2022 16:41	20.98	ft
GN-AP-MW-39	ORP	Oxidation Reduction Potention	8/29/2022 16:41	-110.95	mv
GN-AP-MW-39	PH	pH	8/29/2022 16:41	7	SU
GN-AP-MW-39	TEMP	Temperature	8/29/2022 16:41	19.26	C
GN-AP-MW-39	TURB	Turbidity	8/29/2022 16:41	0.15	NTU
GN-AP-MW-39	COND	Conductivity	8/29/2022 16:46	229.67	uS/cm
GN-AP-MW-39	DO	DO	8/29/2022 16:46	0.2	mg/L
GN-AP-MW-39	DTW	Depth to Water Detail	8/29/2022 16:46	20.98	ft
GN-AP-MW-39	ORP	Oxidation Reduction Potention	8/29/2022 16:46	-114.09	mv
GN-AP-MW-39	PH	pH	8/29/2022 16:46	7.05	SU
GN-AP-MW-39	TEMP	Temperature	8/29/2022 16:46	19.37	C
GN-AP-MW-39	TURB	Turbidity	8/29/2022 16:46	0.12	NTU
GN-AP-MW-39	COND	Conductivity	8/29/2022 16:51	228.07	uS/cm
GN-AP-MW-39	DO	DO	8/29/2022 16:51	0.21	mg/L
GN-AP-MW-39	DTW	Depth to Water Detail	8/29/2022 16:51	20.98	ft
GN-AP-MW-39	ORP	Oxidation Reduction Potention	8/29/2022 16:51	-113.42	mv
GN-AP-MW-39	PH	pH	8/29/2022 16:51	7.09	SU
GN-AP-MW-39	SULFIDE	Sulfide	8/29/2022 16:51	0	mg/L
GN-AP-MW-39	TEMP	Temperature	8/29/2022 16:51	19.35	C
GN-AP-MW-39	TURB	Turbidity	8/29/2022 16:51	0.09	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-40	COND	Conductivity	8/29/2022 14:01	183.25	uS/cm
GN-AP-MW-40	DO	DO	8/29/2022 14:01	7.09	mg/L
GN-AP-MW-40	DTW	Depth to Water Detail	8/29/2022 14:01	18.2	ft
GN-AP-MW-40	ORP	Oxidation Reduction Potention	8/29/2022 14:01	126.24	mv
GN-AP-MW-40	PH	pH	8/29/2022 14:01	7.8	SU
GN-AP-MW-40	TEMP	Temperature	8/29/2022 14:01	19.46	C
GN-AP-MW-40	TURB	Turbidity	8/29/2022 14:01	4.18	NTU
GN-AP-MW-40	COND	Conductivity	8/29/2022 14:06	183.16	uS/cm
GN-AP-MW-40	DO	DO	8/29/2022 14:06	7.11	mg/L
GN-AP-MW-40	DTW	Depth to Water Detail	8/29/2022 14:06	18.2	ft
GN-AP-MW-40	ORP	Oxidation Reduction Potention	8/29/2022 14:06	126.89	mv
GN-AP-MW-40	PH	pH	8/29/2022 14:06	7.79	SU
GN-AP-MW-40	TEMP	Temperature	8/29/2022 14:06	19.19	C
GN-AP-MW-40	TURB	Turbidity	8/29/2022 14:06	3.6	NTU
GN-AP-MW-40	COND	Conductivity	8/29/2022 14:11	183.33	uS/cm
GN-AP-MW-40	DO	DO	8/29/2022 14:11	7.12	mg/L
GN-AP-MW-40	DTW	Depth to Water Detail	8/29/2022 14:11	18.2	ft
GN-AP-MW-40	ORP	Oxidation Reduction Potention	8/29/2022 14:11	130.49	mv
GN-AP-MW-40	PH	pH	8/29/2022 14:11	7.75	SU
GN-AP-MW-40	TEMP	Temperature	8/29/2022 14:11	19.12	C
GN-AP-MW-40	TURB	Turbidity	8/29/2022 14:11	3.27	NTU
GN-AP-MW-40	COND	Conductivity	8/29/2022 14:16	182.97	uS/cm
GN-AP-MW-40	DO	DO	8/29/2022 14:16	7.12	mg/L
GN-AP-MW-40	DTW	Depth to Water Detail	8/29/2022 14:16	18.2	ft
GN-AP-MW-40	ORP	Oxidation Reduction Potention	8/29/2022 14:16	131.06	mv
GN-AP-MW-40	PH	pH	8/29/2022 14:16	7.78	SU
GN-AP-MW-40	TEMP	Temperature	8/29/2022 14:16	19.1	C
GN-AP-MW-40	TURB	Turbidity	8/29/2022 14:16	2.48	NTU
GN-AP-MW-40	COND	Conductivity	8/29/2022 14:21	182.69	uS/cm
GN-AP-MW-40	DO	DO	8/29/2022 14:21	7.14	mg/L
GN-AP-MW-40	DTW	Depth to Water Detail	8/29/2022 14:21	18.2	ft
GN-AP-MW-40	ORP	Oxidation Reduction Potention	8/29/2022 14:21	135.7	mv
GN-AP-MW-40	PH	pH	8/29/2022 14:21	7.73	SU
GN-AP-MW-40	SULFIDE	Sulfide	8/29/2022 14:21	0	mg/L
GN-AP-MW-40	TEMP	Temperature	8/29/2022 14:21	19.22	C
GN-AP-MW-40	TURB	Turbidity	8/29/2022 14:21	2.22	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-41	COND	Conductivity	8/29/2022 12:53	257.19	uS/cm
GN-AP-MW-41	DO	DO	8/29/2022 12:53	3.88	mg/L
GN-AP-MW-41	DTW	Depth to Water Detail	8/29/2022 12:53	11.22	ft
GN-AP-MW-41	ORP	Oxidation Reduction Potention	8/29/2022 12:53	141.74	mv
GN-AP-MW-41	PH	pH	8/29/2022 12:53	7.54	SU
GN-AP-MW-41	TEMP	Temperature	8/29/2022 12:53	18.63	C
GN-AP-MW-41	TURB	Turbidity	8/29/2022 12:53	4.57	NTU
GN-AP-MW-41	COND	Conductivity	8/29/2022 12:58	257	uS/cm
GN-AP-MW-41	DO	DO	8/29/2022 12:58	3.89	mg/L
GN-AP-MW-41	DTW	Depth to Water Detail	8/29/2022 12:58	11.22	ft
GN-AP-MW-41	ORP	Oxidation Reduction Potention	8/29/2022 12:58	142.94	mv
GN-AP-MW-41	PH	pH	8/29/2022 12:58	7.56	SU
GN-AP-MW-41	TEMP	Temperature	8/29/2022 12:58	18.59	C
GN-AP-MW-41	TURB	Turbidity	8/29/2022 12:58	3.04	NTU
GN-AP-MW-41	COND	Conductivity	8/29/2022 13:03	256.72	uS/cm
GN-AP-MW-41	DO	DO	8/29/2022 13:03	3.87	mg/L
GN-AP-MW-41	DTW	Depth to Water Detail	8/29/2022 13:03	11.22	ft
GN-AP-MW-41	ORP	Oxidation Reduction Potention	8/29/2022 13:03	141.59	mv
GN-AP-MW-41	PH	pH	8/29/2022 13:03	7.6	SU
GN-AP-MW-41	TEMP	Temperature	8/29/2022 13:03	18.52	C
GN-AP-MW-41	TURB	Turbidity	8/29/2022 13:03	2.69	NTU
GN-AP-MW-41	COND	Conductivity	8/29/2022 13:08	256.86	uS/cm
GN-AP-MW-41	DO	DO	8/29/2022 13:08	3.9	mg/L
GN-AP-MW-41	DTW	Depth to Water Detail	8/29/2022 13:08	11.22	ft
GN-AP-MW-41	ORP	Oxidation Reduction Potention	8/29/2022 13:08	141.98	mv
GN-AP-MW-41	PH	pH	8/29/2022 13:08	7.57	SU
GN-AP-MW-41	SULFIDE	Sulfide	8/29/2022 13:08	0	mg/L
GN-AP-MW-41	TEMP	Temperature	8/29/2022 13:08	18.33	C
GN-AP-MW-41	TURB	Turbidity	8/29/2022 13:08	2.54	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-42	COND	Conductivity	8/29/2022 14:56	50.35	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 14:56	6.68	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 14:56	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 14:56	165.09	mv
GN-AP-MW-42	PH	pH	8/29/2022 14:56	5.36	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 14:56	19.23	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 14:56	5.8	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:01	53.01	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:01	6.62	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:01	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:01	166.17	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:01	5.27	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:01	18.92	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:01	5.79	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:06	69.45	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:06	6.51	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:06	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:06	163.13	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:06	5.51	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:06	18.81	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:06	5.7	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:11	89.72	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:11	6.38	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:11	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:11	160.53	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:11	5.8	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:11	18.99	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:11	4.95	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:16	104.03	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:16	6.3	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:16	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:16	158.21	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:16	5.91	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:16	19	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:16	3.2	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:21	114.43	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:21	6.25	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:21	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:21	159.32	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:21	5.92	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:21	19.13	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:21	3.23	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:26	121.34	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-42	DO	DO	8/29/2022 15:26	6.22	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:26	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:26	155.82	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:26	6.1	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:26	19.19	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:26	3.22	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:31	124.71	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:31	6.21	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:31	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:31	156.78	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:31	6.2	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:31	19.24	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:31	2.39	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:36	127.86	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:36	6.18	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:36	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:36	156.59	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:36	6.12	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:36	19.27	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:36	2.87	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:41	129.71	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:41	6.15	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:41	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:41	154.37	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:41	6	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:41	19.4	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:41	2.57	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:46	130.99	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:46	6.09	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:46	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:46	154.53	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:46	5.9	SU
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:46	19.5	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:46	2.5	NTU
GN-AP-MW-42	COND	Conductivity	8/29/2022 15:51	131.57	uS/cm
GN-AP-MW-42	DO	DO	8/29/2022 15:51	6.11	mg/L
GN-AP-MW-42	DTW	Depth to Water Detail	8/29/2022 15:51	36.96	ft
GN-AP-MW-42	ORP	Oxidation Reduction Potention	8/29/2022 15:51	150.5	mv
GN-AP-MW-42	PH	pH	8/29/2022 15:51	5.87	SU
GN-AP-MW-42	SULFIDE	Sulfide	8/29/2022 15:51	0	mg/L
GN-AP-MW-42	TEMP	Temperature	8/29/2022 15:51	19.57	C
GN-AP-MW-42	TURB	Turbidity	8/29/2022 15:51	2.23	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-4	COND	Conductivity	8/30/2022 16:06	553.7	uS/cm
GN-AP-MW-4	DO	DO	8/30/2022 16:06	0.38	mg/L
GN-AP-MW-4	DTW	Depth to Water Detail	8/30/2022 16:06	27.8	ft
GN-AP-MW-4	ORP	Oxidation Reduction Potention	8/30/2022 16:06	-5.79	mv
GN-AP-MW-4	PH	pH	8/30/2022 16:06	6.96	SU
GN-AP-MW-4	TEMP	Temperature	8/30/2022 16:06	19.82	C
GN-AP-MW-4	TURB	Turbidity	8/30/2022 16:06	2.24	NTU
GN-AP-MW-4	COND	Conductivity	8/30/2022 16:11	557.86	uS/cm
GN-AP-MW-4	DO	DO	8/30/2022 16:11	0.31	mg/L
GN-AP-MW-4	DTW	Depth to Water Detail	8/30/2022 16:11	27.85	ft
GN-AP-MW-4	ORP	Oxidation Reduction Potention	8/30/2022 16:11	16.3	mv
GN-AP-MW-4	PH	pH	8/30/2022 16:11	6.91	SU
GN-AP-MW-4	TEMP	Temperature	8/30/2022 16:11	19.82	C
GN-AP-MW-4	TURB	Turbidity	8/30/2022 16:11	1.82	NTU
GN-AP-MW-4	COND	Conductivity	8/30/2022 16:16	543.92	uS/cm
GN-AP-MW-4	DO	DO	8/30/2022 16:16	0.61	mg/L
GN-AP-MW-4	DTW	Depth to Water Detail	8/30/2022 16:16	27.85	ft
GN-AP-MW-4	ORP	Oxidation Reduction Potention	8/30/2022 16:16	27.08	mv
GN-AP-MW-4	PH	pH	8/30/2022 16:16	6.89	SU
GN-AP-MW-4	TEMP	Temperature	8/30/2022 16:16	19.77	C
GN-AP-MW-4	TURB	Turbidity	8/30/2022 16:16	1.78	NTU
GN-AP-MW-4	COND	Conductivity	8/30/2022 16:21	527.95	uS/cm
GN-AP-MW-4	DO	DO	8/30/2022 16:21	0.94	mg/L
GN-AP-MW-4	DTW	Depth to Water Detail	8/30/2022 16:21	27.87	ft
GN-AP-MW-4	ORP	Oxidation Reduction Potention	8/30/2022 16:21	32.38	mv
GN-AP-MW-4	PH	pH	8/30/2022 16:21	6.88	SU
GN-AP-MW-4	TEMP	Temperature	8/30/2022 16:21	19.77	C
GN-AP-MW-4	TURB	Turbidity	8/30/2022 16:21	1.72	NTU
GN-AP-MW-4	COND	Conductivity	8/30/2022 16:26	522.48	uS/cm
GN-AP-MW-4	DO	DO	8/30/2022 16:26	1.04	mg/L
GN-AP-MW-4	DTW	Depth to Water Detail	8/30/2022 16:26	27.87	ft
GN-AP-MW-4	ORP	Oxidation Reduction Potention	8/30/2022 16:26	34.75	mv
GN-AP-MW-4	PH	pH	8/30/2022 16:26	6.86	SU
GN-AP-MW-4	TEMP	Temperature	8/30/2022 16:26	19.8	C
GN-AP-MW-4	TURB	Turbidity	8/30/2022 16:26	1.91	NTU
GN-AP-MW-4	COND	Conductivity	8/30/2022 16:31	519.52	uS/cm
GN-AP-MW-4	DO	DO	8/30/2022 16:31	1.1	mg/L
GN-AP-MW-4	DTW	Depth to Water Detail	8/30/2022 16:31	27.88	ft
GN-AP-MW-4	ORP	Oxidation Reduction Potention	8/30/2022 16:31	38.2	mv
GN-AP-MW-4	PH	pH	8/30/2022 16:31	6.85	SU
GN-AP-MW-4	SULFIDE	Sulfide	8/30/2022 16:31	0	mg/L
GN-AP-MW-4	TEMP	Temperature	8/30/2022 16:31	19.78	C
GN-AP-MW-4	TURB	Turbidity	8/30/2022 16:31	1.8	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17	COND	Conductivity	8/30/2022 11:34	1770.61	uS/cm
GN-AP-MW-17	DO	DO	8/30/2022 11:34	0.22	mg/L
GN-AP-MW-17	DTW	Depth to Water Detail	8/30/2022 11:34	9.41	ft
GN-AP-MW-17	ORP	Oxidation Reduction Potention	8/30/2022 11:34	-146.56	mv
GN-AP-MW-17	PH	pH	8/30/2022 11:34	9.2	SU
GN-AP-MW-17	TEMP	Temperature	8/30/2022 11:34	21.63	C
GN-AP-MW-17	TURB	Turbidity	8/30/2022 11:34	0.45	NTU
GN-AP-MW-17	COND	Conductivity	8/30/2022 11:39	1682.91	uS/cm
GN-AP-MW-17	DO	DO	8/30/2022 11:39	0.24	mg/L
GN-AP-MW-17	DTW	Depth to Water Detail	8/30/2022 11:39	10.19	ft
GN-AP-MW-17	ORP	Oxidation Reduction Potention	8/30/2022 11:39	-140.47	mv
GN-AP-MW-17	PH	pH	8/30/2022 11:39	8.97	SU
GN-AP-MW-17	TEMP	Temperature	8/30/2022 11:39	21.58	C
GN-AP-MW-17	TURB	Turbidity	8/30/2022 11:39	0.51	NTU
GN-AP-MW-17	COND	Conductivity	8/30/2022 11:44	1701.98	uS/cm
GN-AP-MW-17	DO	DO	8/30/2022 11:44	0.25	mg/L
GN-AP-MW-17	DTW	Depth to Water Detail	8/30/2022 11:44	10.61	ft
GN-AP-MW-17	ORP	Oxidation Reduction Potention	8/30/2022 11:44	-148.61	mv
GN-AP-MW-17	PH	pH	8/30/2022 11:44	9.01	SU
GN-AP-MW-17	TEMP	Temperature	8/30/2022 11:44	21.52	C
GN-AP-MW-17	TURB	Turbidity	8/30/2022 11:44	0.48	NTU
GN-AP-MW-17	COND	Conductivity	8/30/2022 11:49	1749.8	uS/cm
GN-AP-MW-17	DO	DO	8/30/2022 11:49	0.21	mg/L
GN-AP-MW-17	DTW	Depth to Water Detail	8/30/2022 11:49	10.98	ft
GN-AP-MW-17	ORP	Oxidation Reduction Potention	8/30/2022 11:49	-156.7	mv
GN-AP-MW-17	PH	pH	8/30/2022 11:49	9.09	SU
GN-AP-MW-17	TEMP	Temperature	8/30/2022 11:49	21.45	C
GN-AP-MW-17	TURB	Turbidity	8/30/2022 11:49	0.4	NTU
GN-AP-MW-17	COND	Conductivity	8/30/2022 11:54	1775.78	uS/cm
GN-AP-MW-17	DO	DO	8/30/2022 11:54	0.22	mg/L
GN-AP-MW-17	DTW	Depth to Water Detail	8/30/2022 11:54	11.09	ft
GN-AP-MW-17	ORP	Oxidation Reduction Potention	8/30/2022 11:54	-161.92	mv
GN-AP-MW-17	PH	pH	8/30/2022 11:54	9.15	SU
GN-AP-MW-17	TEMP	Temperature	8/30/2022 11:54	21.43	C
GN-AP-MW-17	TURB	Turbidity	8/30/2022 11:54	0.39	NTU
GN-AP-MW-17	COND	Conductivity	8/30/2022 11:59	1773.99	uS/cm
GN-AP-MW-17	DO	DO	8/30/2022 11:59	0.22	mg/L
GN-AP-MW-17	DTW	Depth to Water Detail	8/30/2022 11:59	11.2	ft
GN-AP-MW-17	ORP	Oxidation Reduction Potention	8/30/2022 11:59	-164.23	mv
GN-AP-MW-17	PH	pH	8/30/2022 11:59	9.18	SU
GN-AP-MW-17	SULFIDE	Sulfide	8/30/2022 11:59	0	mg/L
GN-AP-MW-17	TEMP	Temperature	8/30/2022 11:59	21.38	C
GN-AP-MW-17	TURB	Turbidity	8/30/2022 11:59	0.35	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17SV	COND	Conductivity	8/31/2022 14:14	1122.83	uS/cm
GN-AP-MW-17SV	DO	DO	8/31/2022 14:14	0.26	mg/L
GN-AP-MW-17SV	DTW	Depth to Water Detail	8/31/2022 14:14	10.74	ft
GN-AP-MW-17SV	ORP	Oxidation Reduction Potention	8/31/2022 14:14	-160.98	mv
GN-AP-MW-17SV	PH	pH	8/31/2022 14:14	8.12	SU
GN-AP-MW-17SV	TEMP	Temperature	8/31/2022 14:14	21.87	C
GN-AP-MW-17SV	TURB	Turbidity	8/31/2022 14:14	1.92	NTU
GN-AP-MW-17SV	COND	Conductivity	8/31/2022 14:19	1042.77	uS/cm
GN-AP-MW-17SV	DO	DO	8/31/2022 14:19	0.23	mg/L
GN-AP-MW-17SV	DTW	Depth to Water Detail	8/31/2022 14:19	10.74	ft
GN-AP-MW-17SV	ORP	Oxidation Reduction Potention	8/31/2022 14:19	-164.61	mv
GN-AP-MW-17SV	PH	pH	8/31/2022 14:19	7.95	SU
GN-AP-MW-17SV	TEMP	Temperature	8/31/2022 14:19	21.89	C
GN-AP-MW-17SV	TURB	Turbidity	8/31/2022 14:19	1.64	NTU
GN-AP-MW-17SV	COND	Conductivity	8/31/2022 14:24	1032.2	uS/cm
GN-AP-MW-17SV	DO	DO	8/31/2022 14:24	0.22	mg/L
GN-AP-MW-17SV	DTW	Depth to Water Detail	8/31/2022 14:24	10.74	ft
GN-AP-MW-17SV	ORP	Oxidation Reduction Potention	8/31/2022 14:24	-158.76	mv
GN-AP-MW-17SV	PH	pH	8/31/2022 14:24	7.85	SU
GN-AP-MW-17SV	TEMP	Temperature	8/31/2022 14:24	21.97	C
GN-AP-MW-17SV	TURB	Turbidity	8/31/2022 14:24	1.6	NTU
GN-AP-MW-17SV	COND	Conductivity	8/31/2022 14:29	1025.42	uS/cm
GN-AP-MW-17SV	DO	DO	8/31/2022 14:29	0.21	mg/L
GN-AP-MW-17SV	DTW	Depth to Water Detail	8/31/2022 14:29	10.74	ft
GN-AP-MW-17SV	ORP	Oxidation Reduction Potention	8/31/2022 14:29	-149.18	mv
GN-AP-MW-17SV	PH	pH	8/31/2022 14:29	7.73	SU
GN-AP-MW-17SV	TEMP	Temperature	8/31/2022 14:29	21.93	C
GN-AP-MW-17SV	TURB	Turbidity	8/31/2022 14:29	1.78	NTU
GN-AP-MW-17SV	COND	Conductivity	8/31/2022 14:34	1023.22	uS/cm
GN-AP-MW-17SV	DO	DO	8/31/2022 14:34	0.21	mg/L
GN-AP-MW-17SV	DTW	Depth to Water Detail	8/31/2022 14:34	10.74	ft
GN-AP-MW-17SV	ORP	Oxidation Reduction Potention	8/31/2022 14:34	-141.49	mv
GN-AP-MW-17SV	PH	pH	8/31/2022 14:34	7.66	SU
GN-AP-MW-17SV	SULFIDE	Sulfide	8/31/2022 14:34	0	mg/L
GN-AP-MW-17SV	TEMP	Temperature	8/31/2022 14:34	21.9	C
GN-AP-MW-17SV	TURB	Turbidity	8/31/2022 14:34	1.85	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17V	COND	Conductivity	8/31/2022 12:45	938.61	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 12:45	0.3	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 12:45	10.39	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 12:45	-176.96	mv
GN-AP-MW-17V	PH	pH	8/31/2022 12:45	8.29	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 12:45	22.28	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 12:45	6.9	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 12:50	915.89	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 12:50	0.28	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 12:50	13.82	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 12:50	-176.97	mv
GN-AP-MW-17V	PH	pH	8/31/2022 12:50	8.24	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 12:50	22.1	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 12:50	5.96	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 12:55	906.32	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 12:55	0.29	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 12:55	16.67	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 12:55	-176.65	mv
GN-AP-MW-17V	PH	pH	8/31/2022 12:55	8.23	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 12:55	22.19	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 12:55	3.27	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 13:00	903.3	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 13:00	0.29	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 13:00	19.18	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 13:00	-176.89	mv
GN-AP-MW-17V	PH	pH	8/31/2022 13:00	8.24	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 13:00	22.11	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 13:00	0.74	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 13:05	890.47	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 13:05	0.28	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 13:05	21.98	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 13:05	-174.73	mv
GN-AP-MW-17V	PH	pH	8/31/2022 13:05	8.22	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 13:05	21.99	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 13:05	0.72	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 13:10	887.6	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 13:10	0.72	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 13:10	22.79	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 13:10	-156.82	mv
GN-AP-MW-17V	PH	pH	8/31/2022 13:10	8.18	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 13:10	24.12	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 13:10	0.89	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 13:15	892.95	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-17V	DO	DO	8/31/2022 13:15	0.9	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 13:15	22.94	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 13:15	-148.48	mv
GN-AP-MW-17V	PH	pH	8/31/2022 13:15	8.18	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 13:15	24.27	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 13:15	0.8	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 13:20	908.57	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 13:20	0.98	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 13:20	23.1	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 13:20	-148.01	mv
GN-AP-MW-17V	PH	pH	8/31/2022 13:20	8.23	SU
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 13:20	24.28	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 13:20	0.73	NTU
GN-AP-MW-17V	COND	Conductivity	8/31/2022 13:25	920.77	uS/cm
GN-AP-MW-17V	DO	DO	8/31/2022 13:25	1.01	mg/L
GN-AP-MW-17V	DTW	Depth to Water Detail	8/31/2022 13:25	23.22	ft
GN-AP-MW-17V	ORP	Oxidation Reduction Potention	8/31/2022 13:25	-147.79	mv
GN-AP-MW-17V	PH	pH	8/31/2022 13:25	8.27	SU
GN-AP-MW-17V	SULFIDE	Sulfide	8/31/2022 13:25	0	mg/L
GN-AP-MW-17V	TEMP	Temperature	8/31/2022 13:25	24.42	C
GN-AP-MW-17V	TURB	Turbidity	8/31/2022 13:25	0.76	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-18	COND	Conductivity	8/30/2022 10:20	832.56	uS/cm
GN-AP-MW-18	DO	DO	8/30/2022 10:20	0.14	mg/L
GN-AP-MW-18	DTW	Depth to Water Detail	8/30/2022 10:20	20.47	ft
GN-AP-MW-18	ORP	Oxidation Reduction Potention	8/30/2022 10:20	18.21	mv
GN-AP-MW-18	PH	pH	8/30/2022 10:20	6.79	SU
GN-AP-MW-18	TEMP	Temperature	8/30/2022 10:20	20.16	C
GN-AP-MW-18	TURB	Turbidity	8/30/2022 10:20	2.12	NTU
GN-AP-MW-18	COND	Conductivity	8/30/2022 10:25	862.4	uS/cm
GN-AP-MW-18	DO	DO	8/30/2022 10:25	0.1	mg/L
GN-AP-MW-18	DTW	Depth to Water Detail	8/30/2022 10:25	20.47	ft
GN-AP-MW-18	ORP	Oxidation Reduction Potention	8/30/2022 10:25	25.46	mv
GN-AP-MW-18	PH	pH	8/30/2022 10:25	6.74	SU
GN-AP-MW-18	TEMP	Temperature	8/30/2022 10:25	20.13	C
GN-AP-MW-18	TURB	Turbidity	8/30/2022 10:25	1.9	NTU
GN-AP-MW-18	COND	Conductivity	8/30/2022 10:30	888.18	uS/cm
GN-AP-MW-18	DO	DO	8/30/2022 10:30	0.09	mg/L
GN-AP-MW-18	DTW	Depth to Water Detail	8/30/2022 10:30	20.47	ft
GN-AP-MW-18	ORP	Oxidation Reduction Potention	8/30/2022 10:30	24.98	mv
GN-AP-MW-18	PH	pH	8/30/2022 10:30	6.69	SU
GN-AP-MW-18	TEMP	Temperature	8/30/2022 10:30	20.12	C
GN-AP-MW-18	TURB	Turbidity	8/30/2022 10:30	1.82	NTU
GN-AP-MW-18	COND	Conductivity	8/30/2022 10:35	897.24	uS/cm
GN-AP-MW-18	DO	DO	8/30/2022 10:35	0.09	mg/L
GN-AP-MW-18	DTW	Depth to Water Detail	8/30/2022 10:35	20.47	ft
GN-AP-MW-18	ORP	Oxidation Reduction Potention	8/30/2022 10:35	21.99	mv
GN-AP-MW-18	PH	pH	8/30/2022 10:35	6.65	SU
GN-AP-MW-18	SULFIDE	Sulfide	8/30/2022 10:35	0	mg/L
GN-AP-MW-18	TEMP	Temperature	8/30/2022 10:35	20.09	C
GN-AP-MW-18	TURB	Turbidity	8/30/2022 10:35	1.58	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:11	454.44	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:11	0.23	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:11	14.04	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:11	-157.17	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:11	7.64	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:11	20.78	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:11	8.81	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:16	452.94	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:16	0.18	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:16	19.06	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:16	-153.96	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:16	7.58	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:16	20.63	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:16	10.29	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:21	453.03	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:21	0.16	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:21	24.21	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:21	-150.43	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:21	7.51	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:21	20.52	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:21	12.1	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:26	449.13	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:26	0.35	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:26	29.04	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:26	-133.59	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:26	7.38	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:26	20.43	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:26	11.6	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:31	446.23	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:31	1.01	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:31	34.32	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:31	-102.64	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:31	7.23	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:31	20.36	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:31	13.6	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:36	445.09	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:36	1.22	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:36	39.09	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:36	-88.01	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:36	7.13	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:36	20.44	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:36	9.12	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:41	445.43	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-19	DO	DO	8/30/2022 14:41	1.41	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:41	44.12	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:41	-77.29	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:41	7.07	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:41	20.53	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:41	8.42	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:46	448.62	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:46	1.78	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:46	44.76	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:46	-70.5	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:46	7.05	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:46	22.06	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:46	6.96	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:51	451.48	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:51	1.62	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:51	44.9	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:51	-74.74	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:51	7.05	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:51	22.33	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:51	2.39	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 14:56	454.25	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 14:56	1.06	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 14:56	44.96	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 14:56	-96.12	mv
GN-AP-MW-19	PH	pH	8/30/2022 14:56	7.09	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 14:56	22.34	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 14:56	1.97	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 15:01	454.85	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 15:01	0.98	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 15:01	45	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 15:01	-100.7	mv
GN-AP-MW-19	PH	pH	8/30/2022 15:01	7.09	SU
GN-AP-MW-19	TEMP	Temperature	8/30/2022 15:01	22.37	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 15:01	1.9	NTU
GN-AP-MW-19	COND	Conductivity	8/30/2022 15:06	455.44	uS/cm
GN-AP-MW-19	DO	DO	8/30/2022 15:06	0.91	mg/L
GN-AP-MW-19	DTW	Depth to Water Detail	8/30/2022 15:06	45.02	ft
GN-AP-MW-19	ORP	Oxidation Reduction Potention	8/30/2022 15:06	-103.46	mv
GN-AP-MW-19	PH	pH	8/30/2022 15:06	7.1	SU
GN-AP-MW-19	SULFIDE	Sulfide	8/30/2022 15:06	0	mg/L
GN-AP-MW-19	TEMP	Temperature	8/30/2022 15:06	22.37	C
GN-AP-MW-19	TURB	Turbidity	8/30/2022 15:06	1.88	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20	COND	Conductivity	8/30/2022 9:06	1185.15	uS/cm
GN-AP-MW-20	DO	DO	8/30/2022 9:06	0.37	mg/L
GN-AP-MW-20	DTW	Depth to Water Detail	8/30/2022 9:06	10.8	ft
GN-AP-MW-20	ORP	Oxidation Reduction Potention	8/30/2022 9:06	-51.6	mv
GN-AP-MW-20	PH	pH	8/30/2022 9:06	7.49	SU
GN-AP-MW-20	TEMP	Temperature	8/30/2022 9:06	21.16	C
GN-AP-MW-20	TURB	Turbidity	8/30/2022 9:06	0.74	NTU
GN-AP-MW-20	COND	Conductivity	8/30/2022 9:11	1181.82	uS/cm
GN-AP-MW-20	DO	DO	8/30/2022 9:11	0.23	mg/L
GN-AP-MW-20	DTW	Depth to Water Detail	8/30/2022 9:11	11.04	ft
GN-AP-MW-20	ORP	Oxidation Reduction Potention	8/30/2022 9:11	-57.3	mv
GN-AP-MW-20	PH	pH	8/30/2022 9:11	7.51	SU
GN-AP-MW-20	TEMP	Temperature	8/30/2022 9:11	21.04	C
GN-AP-MW-20	TURB	Turbidity	8/30/2022 9:11	0.61	NTU
GN-AP-MW-20	COND	Conductivity	8/30/2022 9:16	1168.64	uS/cm
GN-AP-MW-20	DO	DO	8/30/2022 9:16	0.47	mg/L
GN-AP-MW-20	DTW	Depth to Water Detail	8/30/2022 9:16	11.14	ft
GN-AP-MW-20	ORP	Oxidation Reduction Potention	8/30/2022 9:16	-71.31	mv
GN-AP-MW-20	PH	pH	8/30/2022 9:16	7.75	SU
GN-AP-MW-20	TEMP	Temperature	8/30/2022 9:16	21	C
GN-AP-MW-20	TURB	Turbidity	8/30/2022 9:16	0.66	NTU
GN-AP-MW-20	COND	Conductivity	8/30/2022 9:21	1156.44	uS/cm
GN-AP-MW-20	DO	DO	8/30/2022 9:21	0.53	mg/L
GN-AP-MW-20	DTW	Depth to Water Detail	8/30/2022 9:21	11.18	ft
GN-AP-MW-20	ORP	Oxidation Reduction Potention	8/30/2022 9:21	-78.41	mv
GN-AP-MW-20	PH	pH	8/30/2022 9:21	7.82	SU
GN-AP-MW-20	TEMP	Temperature	8/30/2022 9:21	20.98	C
GN-AP-MW-20	TURB	Turbidity	8/30/2022 9:21	0.48	NTU
GN-AP-MW-20	COND	Conductivity	8/30/2022 9:26	1156.89	uS/cm
GN-AP-MW-20	DO	DO	8/30/2022 9:26	0.37	mg/L
GN-AP-MW-20	DTW	Depth to Water Detail	8/30/2022 9:26	11.2	ft
GN-AP-MW-20	ORP	Oxidation Reduction Potention	8/30/2022 9:26	-74.52	mv
GN-AP-MW-20	PH	pH	8/30/2022 9:26	7.73	SU
GN-AP-MW-20	SULFIDE	Sulfide	8/30/2022 9:26	0	mg/L
GN-AP-MW-20	TEMP	Temperature	8/30/2022 9:26	20.97	C
GN-AP-MW-20	TURB	Turbidity	8/30/2022 9:26	0.5	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 7:49	998.64	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 7:49	0.21	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 7:49	11.76	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 7:49	-138.82	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 7:49	6.87	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 7:49	20.44	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 7:49	36.7	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 7:54	984.15	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 7:54	0.18	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 7:54	11.84	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 7:54	-134.94	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 7:54	6.84	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 7:54	20.38	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 7:54	28.2	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 7:59	971.82	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 7:59	0.16	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 7:59	11.95	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 7:59	-129.98	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 7:59	6.79	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 7:59	20.38	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 7:59	22.3	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 8:04	962.25	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 8:04	0.15	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 8:04	11.98	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 8:04	-123.97	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 8:04	6.74	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 8:04	20.36	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 8:04	14.8	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 8:09	968.56	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 8:09	0.14	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 8:09	12.02	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 8:09	-121.2	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 8:09	6.72	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 8:09	20.39	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 8:09	12.8	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 8:14	962.65	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 8:14	0.14	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 8:14	12.02	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 8:14	-119.45	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 8:14	6.71	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 8:14	20.4	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 8:14	11.68	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 8:19	955.94	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20SV	DO	DO	8/30/2022 8:19	0.14	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 8:19	12.02	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 8:19	-118.03	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 8:19	6.7	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 8:19	20.39	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 8:19	9.38	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 8:24	969.45	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 8:24	0.14	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 8:24	12.02	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 8:24	-117.32	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 8:24	6.7	SU
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 8:24	20.34	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 8:24	7.13	NTU
GN-AP-MW-20SV	COND	Conductivity	8/30/2022 8:29	972.33	uS/cm
GN-AP-MW-20SV	DO	DO	8/30/2022 8:29	0.13	mg/L
GN-AP-MW-20SV	DTW	Depth to Water Detail	8/30/2022 8:29	12.02	ft
GN-AP-MW-20SV	ORP	Oxidation Reduction Potention	8/30/2022 8:29	-117.16	mv
GN-AP-MW-20SV	PH	pH	8/30/2022 8:29	6.7	SU
GN-AP-MW-20SV	SULFIDE	Sulfide	8/30/2022 8:29	0	mg/L
GN-AP-MW-20SV	TEMP	Temperature	8/30/2022 8:29	20.31	C
GN-AP-MW-20SV	TURB	Turbidity	8/30/2022 8:29	4.66	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	COND	Conductivity	8/29/2022 12:50	1050.28	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 12:50	0.18	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 12:50	12.39	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 12:50	-218.28	mv
GN-AP-MW-20V	PH	pH	8/29/2022 12:50	8.05	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 12:50	21.1	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 12:50	18.7	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 12:55	1040.96	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 12:55	0.17	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 12:55	14.36	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 12:55	-216.14	mv
GN-AP-MW-20V	PH	pH	8/29/2022 12:55	8.05	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 12:55	20.89	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 12:55	18.2	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:00	1012.46	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:00	0.17	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:00	16.1	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:00	-216.04	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:00	8.1	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:00	20.64	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:00	18.8	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:05	997.71	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:05	0.16	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:05	17.56	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:05	-216.78	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:05	8.11	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:05	20.58	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:05	22.8	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:10	997.47	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:10	0.16	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:10	18.61	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:10	-215.34	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:10	8.11	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:10	20.45	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:10	21.1	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:15	998.73	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:15	0.17	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:15	19.81	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:15	-214.09	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:15	8.11	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:15	20.48	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:15	22.2	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:20	1007.32	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	DO	DO	8/29/2022 13:20	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:20	20.22	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:20	-210.57	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:20	8.11	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:20	20.7	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:20	21.7	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:25	1009.49	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:25	0.2	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:25	20.35	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:25	-206.36	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:25	8.1	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:25	20.7	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:25	29.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:30	1012.21	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:30	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:30	20.45	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:30	-204.06	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:30	8.1	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:30	20.51	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:30	36	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:35	1017.9	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:35	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:35	20.57	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:35	-203.08	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:35	8.1	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:35	20.5	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:35	32.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:40	1016.15	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:40	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:40	20.65	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:40	-201.46	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:40	8.1	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:40	20.45	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:40	31	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:45	1014.56	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:45	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:45	20.73	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:45	-201.03	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:45	8.09	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:45	20.43	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:45	31.5	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:50	1011.29	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:50	0.19	mg/L

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:50	20.79	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:50	-200.04	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:50	8.09	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:50	20.46	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:50	35.3	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 13:55	1016.04	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 13:55	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 13:55	20.81	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 13:55	-198.7	mv
GN-AP-MW-20V	PH	pH	8/29/2022 13:55	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 13:55	20.55	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 13:55	31.7	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:00	1015.49	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:00	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:00	20.84	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:00	-197.4	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:00	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:00	20.54	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:00	28.2	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:05	1017.81	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:05	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:05	20.86	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:05	-196.52	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:05	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:05	20.64	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:05	27.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:10	1028.13	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:10	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:10	20.9	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:10	-195.38	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:10	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:10	20.39	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:10	26.9	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:15	1023.16	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:15	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:15	20.94	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:15	-193.89	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:15	8.06	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:15	20.36	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:15	22.1	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:20	1026.34	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:20	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:20	21	ft

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:20	-194.73	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:20	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:20	20.3	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:20	21.5	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:25	1027.34	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:25	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:25	21.04	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:25	-194.39	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:25	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:25	20.39	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:25	19.8	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:30	1028.56	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:30	0.2	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:30	21.06	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:30	-193.15	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:30	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:30	20.53	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:30	14.6	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:35	1031.4	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:35	0.2	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:35	20.96	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:35	-193.25	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:35	8.09	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:35	20.52	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:35	16.1	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:40	1028.17	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:40	0.19	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:40	20.84	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:40	-193.53	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:40	8.1	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:40	20.33	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:40	24.2	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:45	1027.82	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:45	0.2	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:45	20.71	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:45	-192.81	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:45	8.09	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:45	20.44	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:45	25.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:50	1033.78	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:50	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:50	20.62	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:50	-191.76	mv

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	PH	pH	8/29/2022 14:50	8.09	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:50	20.39	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:50	16.7	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 14:55	1034.88	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 14:55	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 14:55	20.5	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 14:55	-191.14	mv
GN-AP-MW-20V	PH	pH	8/29/2022 14:55	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 14:55	20.33	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 14:55	20.1	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:00	1038.38	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:00	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:00	20.39	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:00	-191.1	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:00	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:00	20.45	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:00	22.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:05	1033.27	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:05	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:05	20.26	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:05	-191.11	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:05	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:05	20.42	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:05	19.3	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:10	1035.32	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:10	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:10	20.14	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:10	-190.92	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:10	8.08	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:10	20.32	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:10	18.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:15	1035.59	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:15	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:15	20.14	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:15	-190.57	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:15	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:15	20.39	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:15	16.8	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:20	1036.96	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:20	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:20	20.01	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:20	-190.08	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:20	8.07	SU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:20	20.36	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:20	15.1	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:25	1037.46	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:25	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:25	19.9	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:25	-190.04	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:25	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:25	20.41	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:25	16.1	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:30	1035.7	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:30	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:30	19.82	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:30	-189.93	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:30	8.06	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:30	20.52	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:30	14.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:35	1035.43	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:35	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:35	19.71	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:35	-189.75	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:35	8.06	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:35	20.66	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:35	13.6	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:40	1040.1	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:40	0.2	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:40	19.6	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:40	-190.47	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:40	8.06	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:40	20.69	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:40	12.5	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:45	1039.08	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:45	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:45	19.52	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:45	-188.77	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:45	8.05	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:45	20.58	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:45	11.9	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:50	1038.31	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:50	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:50	19.42	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:50	-188.34	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:50	8.04	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:50	20.58	C

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:50	11.36	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 15:55	1047.82	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 15:55	0.21	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 15:55	19.31	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 15:55	-189.25	mv
GN-AP-MW-20V	PH	pH	8/29/2022 15:55	8.06	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 15:55	20.71	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 15:55	11.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 16:00	1060.73	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 16:00	0.24	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 16:00	19.2	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 16:00	-187.71	mv
GN-AP-MW-20V	PH	pH	8/29/2022 16:00	8.07	SU
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 16:00	20.99	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 16:00	10.4	NTU
GN-AP-MW-20V	COND	Conductivity	8/29/2022 16:05	1062.41	uS/cm
GN-AP-MW-20V	DO	DO	8/29/2022 16:05	0.24	mg/L
GN-AP-MW-20V	DTW	Depth to Water Detail	8/29/2022 16:05	19.13	ft
GN-AP-MW-20V	ORP	Oxidation Reduction Potention	8/29/2022 16:05	-187.6	mv
GN-AP-MW-20V	PH	pH	8/29/2022 16:05	8.08	SU
GN-AP-MW-20V	SULFIDE	Sulfide	8/29/2022 16:05	0	mg/L
GN-AP-MW-20V	TEMP	Temperature	8/29/2022 16:05	20.97	C
GN-AP-MW-20V	TURB	Turbidity	8/29/2022 16:05	9.72	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-28H	COND	Conductivity	8/31/2022 9:46	511.26	uS/cm
GN-AP-MW-28H	DO	DO	8/31/2022 9:46	0.16	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 9:46	16.21	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 9:46	-142.91	mv
GN-AP-MW-28H	PH	pH	8/31/2022 9:46	8.23	SU
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 9:46	21.47	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 9:46	3.98	NTU
GN-AP-MW-28H	COND	Conductivity	8/31/2022 9:51	506.84	uS/cm
GN-AP-MW-28H	DO	DO	8/31/2022 9:51	0.17	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 9:51	16.94	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 9:51	-157.72	mv
GN-AP-MW-28H	PH	pH	8/31/2022 9:51	8.18	SU
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 9:51	21.38	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 9:51	0.81	NTU
GN-AP-MW-28H	COND	Conductivity	8/31/2022 9:56	508.1	uS/cm
GN-AP-MW-28H	DO	DO	8/31/2022 9:56	0.18	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 9:56	17.14	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 9:56	-162.09	mv
GN-AP-MW-28H	PH	pH	8/31/2022 9:56	8.19	SU
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 9:56	21.35	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 9:56	0.73	NTU
GN-AP-MW-28H	COND	Conductivity	8/31/2022 10:01	507.92	uS/cm
GN-AP-MW-28H	DO	DO	8/31/2022 10:01	0.19	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 10:01	17.68	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 10:01	-163.07	mv
GN-AP-MW-28H	PH	pH	8/31/2022 10:01	8.19	SU
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 10:01	21.33	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 10:01	0.92	NTU
GN-AP-MW-28H	COND	Conductivity	8/31/2022 10:06	507.98	uS/cm
GN-AP-MW-28H	DO	DO	8/31/2022 10:06	0.19	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 10:06	17.9	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 10:06	-162.97	mv
GN-AP-MW-28H	PH	pH	8/31/2022 10:06	8.18	SU
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 10:06	21.31	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 10:06	0.75	NTU
GN-AP-MW-28H	COND	Conductivity	8/31/2022 10:11	507.39	uS/cm
GN-AP-MW-28H	DO	DO	8/31/2022 10:11	0.19	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 10:11	18.04	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 10:11	-162.49	mv
GN-AP-MW-28H	PH	pH	8/31/2022 10:11	8.18	SU
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 10:11	21.32	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 10:11	0.68	NTU
GN-AP-MW-28H	COND	Conductivity	8/31/2022 10:16	506.23	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-28H	DO	DO	8/31/2022 10:16	0.19	mg/L
GN-AP-MW-28H	DTW	Depth to Water Detail	8/31/2022 10:16	18.15	ft
GN-AP-MW-28H	ORP	Oxidation Reduction Potention	8/31/2022 10:16	-161.97	mv
GN-AP-MW-28H	PH	pH	8/31/2022 10:16	8.17	SU
GN-AP-MW-28H	SULFIDE	Sulfide	8/31/2022 10:16	0	mg/L
GN-AP-MW-28H	TEMP	Temperature	8/31/2022 10:16	21.32	C
GN-AP-MW-28H	TURB	Turbidity	8/31/2022 10:16	0.62	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-29H	COND	Conductivity	8/31/2022 10:53	613.76	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 10:53	0.38	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 10:53	10.46	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 10:53	-164.18	mv
GN-AP-MW-29H	PH	pH	8/31/2022 10:53	8.32	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 10:53	22.06	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 10:53	0.86	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 10:58	611.41	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 10:58	0.35	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 10:58	14.31	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 10:58	-171.54	mv
GN-AP-MW-29H	PH	pH	8/31/2022 10:58	8.31	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 10:58	22.08	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 10:58	0.91	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:03	611.13	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:03	0.35	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:03	18.33	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:03	-173.22	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:03	8.3	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:03	21.94	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:03	0.77	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:08	610.74	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:08	0.34	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:08	21.51	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:08	-174.14	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:08	8.28	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:08	21.89	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:08	0.75	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:13	611.05	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:13	0.33	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:13	24.41	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:13	-175.32	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:13	8.28	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:13	21.86	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:13	0.71	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:18	618.14	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:18	3.46	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:18	26.41	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:18	-121.79	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:18	8.25	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:18	22.68	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:18	0.69	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:23	616.45	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-29H	DO	DO	8/31/2022 11:23	0.37	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:23	28.72	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:23	-170.35	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:23	8.29	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:23	21.84	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:23	0.65	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:28	616.02	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:28	0.34	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:28	30.16	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:28	-178.2	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:28	8.29	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:28	21.82	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:28	0.62	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:33	616.9	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:33	0.33	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:33	32.54	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:33	-182.7	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:33	8.32	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:33	21.88	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:33	0.54	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:38	622.76	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:38	0.84	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:38	33.06	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:38	-168.98	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:38	8.3	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:38	24.01	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:38	0.68	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:43	625.82	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:43	1	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:43	33.23	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:43	-161.76	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:43	8.3	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:43	24.37	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:43	0.72	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:48	628	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:48	1.06	mg/L
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:48	33.36	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:48	-156.82	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:48	8.31	SU
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:48	24.37	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:48	0.7	NTU
GN-AP-MW-29H	COND	Conductivity	8/31/2022 11:53	628.1	uS/cm
GN-AP-MW-29H	DO	DO	8/31/2022 11:53	1.06	mg/L

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-29H	DTW	Depth to Water Detail	8/31/2022 11:53	33.48	ft
GN-AP-MW-29H	ORP	Oxidation Reduction Potention	8/31/2022 11:53	-155.52	mv
GN-AP-MW-29H	PH	pH	8/31/2022 11:53	8.32	SU
GN-AP-MW-29H	SULFIDE	Sulfide	8/31/2022 11:53	0	mg/L
GN-AP-MW-29H	TEMP	Temperature	8/31/2022 11:53	24.19	C
GN-AP-MW-29H	TURB	Turbidity	8/31/2022 11:53	0.74	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-32V	COND	Conductivity	9/6/2022 10:35	625.46	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 10:35	1.63	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 10:35	48.91	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 10:35	-294.52	mv
GN-AP-MW-32V	PH	pH	9/6/2022 10:35	7.52	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 10:35	24.29	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 10:35	0.95	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 10:40	603.75	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 10:40	1.31	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 10:40	49.33	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 10:40	-305.92	mv
GN-AP-MW-32V	PH	pH	9/6/2022 10:40	7.53	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 10:40	24.06	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 10:40	0.91	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 10:45	639.04	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 10:45	1.19	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 10:45	49.66	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 10:45	-307.6	mv
GN-AP-MW-32V	PH	pH	9/6/2022 10:45	7.62	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 10:45	23.96	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 10:45	1.13	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 10:50	692.64	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 10:50	1.08	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 10:50	49.93	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 10:50	-290.63	mv
GN-AP-MW-32V	PH	pH	9/6/2022 10:50	7.76	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 10:50	23.72	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 10:50	1.08	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 10:55	705.3	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 10:55	1.05	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 10:55	50.16	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 10:55	-268.05	mv
GN-AP-MW-32V	PH	pH	9/6/2022 10:55	7.82	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 10:55	23.59	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 10:55	1.24	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 11:00	705.03	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 11:00	1.01	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 11:00	50.32	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 11:00	-257.25	mv
GN-AP-MW-32V	PH	pH	9/6/2022 11:00	7.84	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 11:00	23.68	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 11:00	0.96	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 11:05	704.09	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-32V	DO	DO	9/6/2022 11:05	0.98	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 11:05	50.48	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 11:05	-253.23	mv
GN-AP-MW-32V	PH	pH	9/6/2022 11:05	7.84	SU
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 11:05	23.79	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 11:05	0.9	NTU
GN-AP-MW-32V	COND	Conductivity	9/6/2022 11:10	703.69	uS/cm
GN-AP-MW-32V	DO	DO	9/6/2022 11:10	0.94	mg/L
GN-AP-MW-32V	DTW	Depth to Water Detail	9/6/2022 11:10	50.56	ft
GN-AP-MW-32V	ORP	Oxidation Reduction Potention	9/6/2022 11:10	-251.71	mv
GN-AP-MW-32V	PH	pH	9/6/2022 11:10	7.83	SU
GN-AP-MW-32V	SULFIDE	Sulfide	9/6/2022 11:10	3	mg/L
GN-AP-MW-32V	TEMP	Temperature	9/6/2022 11:10	23.9	C
GN-AP-MW-32V	TURB	Turbidity	9/6/2022 11:10	0.88	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-33V	COND	Conductivity	9/6/2022 14:43	621.69	uS/cm
GN-AP-MW-33V	DO	DO	9/6/2022 14:43	1.13	mg/L
GN-AP-MW-33V	DTW	Depth to Water Detail	9/6/2022 14:43	47.52	ft
GN-AP-MW-33V	ORP	Oxidation Reduction Potention	9/6/2022 14:43	-294.11	mv
GN-AP-MW-33V	PH	pH	9/6/2022 14:43	7.58	SU
GN-AP-MW-33V	TEMP	Temperature	9/6/2022 14:43	25.3	C
GN-AP-MW-33V	TURB	Turbidity	9/6/2022 14:43	0.92	NTU
GN-AP-MW-33V	COND	Conductivity	9/6/2022 14:58	641.26	uS/cm
GN-AP-MW-33V	DO	DO	9/6/2022 14:58	1.14	mg/L
GN-AP-MW-33V	DTW	Depth to Water Detail	9/6/2022 14:58	48.92	ft
GN-AP-MW-33V	ORP	Oxidation Reduction Potention	9/6/2022 14:58	-270.53	mv
GN-AP-MW-33V	PH	pH	9/6/2022 14:58	7.67	SU
GN-AP-MW-33V	TEMP	Temperature	9/6/2022 14:58	30.32	C
GN-AP-MW-33V	TURB	Turbidity	9/6/2022 14:58	0.86	NTU
GN-AP-MW-33V	COND	Conductivity	9/6/2022 15:12	614.33	uS/cm
GN-AP-MW-33V	DO	DO	9/6/2022 15:12	0.45	mg/L
GN-AP-MW-33V	DTW	Depth to Water Detail	9/6/2022 15:12	51.04	ft
GN-AP-MW-33V	ORP	Oxidation Reduction Potention	9/6/2022 15:12	-263.37	mv
GN-AP-MW-33V	PH	pH	9/6/2022 15:12	7.65	SU
GN-AP-MW-33V	SULFIDE	Sulfide	9/6/2022 15:12	1	mg/L
GN-AP-MW-33V	TEMP	Temperature	9/6/2022 15:12	22.63	C
GN-AP-MW-33V	TURB	Turbidity	9/6/2022 15:12	0.72	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-34V	COND	Conductivity	9/7/2022 7:32	1115.62	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 7:32	0.17	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 7:32	50.61	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 7:32	-278.8	mv
GN-AP-MW-34V	PH	pH	9/7/2022 7:32	7.68	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 7:32	20.12	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 7:32	1.07	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 7:37	1104.43	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 7:37	0.16	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 7:37	53.07	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 7:37	-253.85	mv
GN-AP-MW-34V	PH	pH	9/7/2022 7:37	7.67	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 7:37	20.08	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 7:37	0.8	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 7:42	1044.92	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 7:42	0.17	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 7:42	54.83	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 7:42	-269.73	mv
GN-AP-MW-34V	PH	pH	9/7/2022 7:42	7.46	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 7:42	20.17	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 7:42	1.26	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 7:47	1038.78	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 7:47	0.27	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 7:47	55.38	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 7:47	-266.13	mv
GN-AP-MW-34V	PH	pH	9/7/2022 7:47	7.44	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 7:47	20.76	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 7:47	0.79	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 7:52	1033.99	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 7:52	0.29	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 7:52	55.75	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 7:52	-264.99	mv
GN-AP-MW-34V	PH	pH	9/7/2022 7:52	7.43	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 7:52	20.8	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 7:52	0.73	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 7:57	1036.77	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 7:57	0.27	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 7:57	56.12	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 7:57	-265.19	mv
GN-AP-MW-34V	PH	pH	9/7/2022 7:57	7.43	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 7:57	20.77	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 7:57	0.71	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 8:02	1040.39	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-34V	DO	DO	9/7/2022 8:02	0.31	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 8:02	56.26	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 8:02	-262.41	mv
GN-AP-MW-34V	PH	pH	9/7/2022 8:02	7.44	SU
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 8:02	21.06	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 8:02	0.68	NTU
GN-AP-MW-34V	COND	Conductivity	9/7/2022 8:07	1041.03	uS/cm
GN-AP-MW-34V	DO	DO	9/7/2022 8:07	0.32	mg/L
GN-AP-MW-34V	DTW	Depth to Water Detail	9/7/2022 8:07	56.38	ft
GN-AP-MW-34V	ORP	Oxidation Reduction Potention	9/7/2022 8:07	-261.21	mv
GN-AP-MW-34V	PH	pH	9/7/2022 8:07	7.45	SU
GN-AP-MW-34V	SULFIDE	Sulfide	9/7/2022 8:07	1	mg/L
GN-AP-MW-34V	TEMP	Temperature	9/7/2022 8:07	21.37	C
GN-AP-MW-34V	TURB	Turbidity	9/7/2022 8:07	0.69	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:04	497.7	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:04	0.16	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:04	49.91	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:04	-309.65	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:04	7.97	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:04	20.25	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:04	1.6	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:09	494.3	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:09	0.16	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:09	50.76	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:09	-286.62	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:09	7.93	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:09	20.21	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:09	1.24	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:14	492.7	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:14	0.19	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:14	51.57	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:14	-277	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:14	7.91	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:14	20.16	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:14	0.9	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:19	493.88	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:19	0.4	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:19	52.03	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:19	-267.11	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:19	7.91	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:19	22.1	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:19	0.6	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:24	496.65	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:24	0.46	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:24	52.21	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:24	-261.83	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:24	7.91	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:24	22.47	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:24	0.54	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:29	499.37	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:29	0.54	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:29	52.41	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:29	-257.02	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:29	7.92	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:29	22.63	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:29	0.56	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:34	502.26	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-35V	DO	DO	9/7/2022 9:34	0.65	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:34	52.59	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:34	-252.88	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:34	7.93	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:34	23.03	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:34	0.6	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:39	503.95	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:39	0.72	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:39	52.76	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:39	-249.22	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:39	7.91	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:39	23.18	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:39	0.52	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:44	505.37	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:44	0.74	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:44	52.92	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:44	-248.31	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:44	7.93	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:44	23.29	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:44	0.51	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:49	506.53	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:49	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:49	53.1	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:49	-247.23	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:49	7.94	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:49	23.42	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:49	0.56	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:54	506.92	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:54	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:54	53.26	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:54	-246.72	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:54	7.95	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:54	23.28	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:54	0.55	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 9:59	508.21	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 9:59	0.77	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 9:59	53.42	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 9:59	-245.98	mv
GN-AP-MW-35V	PH	pH	9/7/2022 9:59	7.95	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 9:59	23.43	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 9:59	0.5	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:04	508.45	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:04	0.76	mg/L

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:04	53.58	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:04	-245.73	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:04	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:04	23.5	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:04	0.48	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:09	509.67	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:09	0.74	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:09	53.72	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:09	-244.87	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:09	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:09	23.69	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:09	0.47	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:14	510.83	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:14	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:14	53.88	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:14	-244.07	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:14	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:14	23.66	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:14	0.52	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:19	511.2	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:19	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:19	54.03	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:19	-244.02	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:19	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:19	23.61	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:19	0.48	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:24	510.9	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:24	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:24	54.21	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:24	-243.48	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:24	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:24	23.83	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:24	0.46	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:29	511.89	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:29	0.76	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:29	54.35	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:29	-242.93	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:29	7.97	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:29	23.71	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:29	0.4	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:34	512.31	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:34	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:34	54.52	ft

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:34	-242	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:34	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:34	23.66	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:34	0.41	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:39	513.17	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:39	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:39	54.72	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:39	-241.27	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:39	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:39	23.81	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:39	0.36	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:44	513.13	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:44	0.75	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:44	54.86	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:44	-240.71	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:44	7.96	SU
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:44	23.4	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:44	0.37	NTU
GN-AP-MW-35V	COND	Conductivity	9/7/2022 10:49	513.18	uS/cm
GN-AP-MW-35V	DO	DO	9/7/2022 10:49	0.74	mg/L
GN-AP-MW-35V	DTW	Depth to Water Detail	9/7/2022 10:49	55	ft
GN-AP-MW-35V	ORP	Oxidation Reduction Potention	9/7/2022 10:49	-240.98	mv
GN-AP-MW-35V	PH	pH	9/7/2022 10:49	7.96	SU
GN-AP-MW-35V	SULFIDE	Sulfide	9/7/2022 10:49	1	mg/L
GN-AP-MW-35V	TEMP	Temperature	9/7/2022 10:49	23.74	C
GN-AP-MW-35V	TURB	Turbidity	9/7/2022 10:49	0.39	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:26	1200.09	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 12:26	0.25	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:26	45.81	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:26	-349.08	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:26	8.11	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:26	21.95	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:26	1.52	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:31	1150.88	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 12:31	0.23	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:31	46.44	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:31	-317.19	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:31	7.95	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:31	21.84	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:31	0.62	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:36	1137.63	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 12:36	0.26	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:36	47.21	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:36	-305.77	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:36	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:36	21.78	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:36	0.71	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:41	1132.46	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 12:41	0.29	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:41	47.81	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:41	-300.2	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:41	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:41	21.77	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:41	0.61	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:46	1144.64	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 12:46	0.36	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:46	48.34	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:46	-298.18	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:46	7.99	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:46	22.45	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:46	0.55	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:51	1148.76	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 12:51	0.4	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:51	48.68	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:51	-295.75	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:51	7.98	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:51	22.54	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:51	0.46	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 12:56	1136.74	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-36V	DO	DO	9/6/2022 12:56	0.5	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 12:56	48.97	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 12:56	-291.69	mv
GN-AP-MW-36V	PH	pH	9/6/2022 12:56	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 12:56	23.08	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 12:56	0.28	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:01	1130.75	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:01	0.55	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:01	49.22	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:01	-289.39	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:01	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:01	23.14	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:01	0.32	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:06	1121.89	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:06	0.57	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:06	49.48	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:06	-288.35	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:06	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:06	23.14	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:06	0.24	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:11	1128.67	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:11	0.66	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:11	49.69	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:11	-286.02	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:11	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:11	23.73	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:11	0.27	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:16	1164.74	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:16	0.67	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:16	49.88	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:16	-285.11	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:16	7.96	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:16	24.27	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:16	0.21	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:21	1165.76	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:21	0.7	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:21	50.04	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:21	-283.58	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:21	7.96	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:21	24.3	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:21	0.35	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:26	1169.24	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:26	0.71	mg/L

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:26	50.19	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:26	-283.37	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:26	7.96	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:26	24.4	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:26	0.41	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:31	1158.42	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:31	0.72	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:31	50.38	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:31	-283.17	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:31	7.96	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:31	24.33	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:31	0.27	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:36	1175.79	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:36	0.72	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:36	50.5	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:36	-283	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:36	7.97	SU
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:36	24.04	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:36	0.25	NTU
GN-AP-MW-36V	COND	Conductivity	9/6/2022 13:41	1178.64	uS/cm
GN-AP-MW-36V	DO	DO	9/6/2022 13:41	0.73	mg/L
GN-AP-MW-36V	DTW	Depth to Water Detail	9/6/2022 13:41	50.65	ft
GN-AP-MW-36V	ORP	Oxidation Reduction Potention	9/6/2022 13:41	-282.15	mv
GN-AP-MW-36V	PH	pH	9/6/2022 13:41	7.96	SU
GN-AP-MW-36V	SULFIDE	Sulfide	9/6/2022 13:41	2	mg/L
GN-AP-MW-36V	TEMP	Temperature	9/6/2022 13:41	24.02	C
GN-AP-MW-36V	TURB	Turbidity	9/6/2022 13:41	0.24	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-37V	COND	Conductivity	9/6/2022 9:17	437.25	uS/cm
GN-AP-MW-37V	DO	DO	9/6/2022 9:17	0.6	mg/L
GN-AP-MW-37V	DTW	Depth to Water Detail	9/6/2022 9:17	48.24	ft
GN-AP-MW-37V	ORP	Oxidation Reduction Potention	9/6/2022 9:17	-285.99	mv
GN-AP-MW-37V	PH	pH	9/6/2022 9:17	7.92	SU
GN-AP-MW-37V	TEMP	Temperature	9/6/2022 9:17	22.11	C
GN-AP-MW-37V	TURB	Turbidity	9/6/2022 9:17	0.72	NTU
GN-AP-MW-37V	COND	Conductivity	9/6/2022 9:22	443.12	uS/cm
GN-AP-MW-37V	DO	DO	9/6/2022 9:22	0.51	mg/L
GN-AP-MW-37V	DTW	Depth to Water Detail	9/6/2022 9:22	48.6	ft
GN-AP-MW-37V	ORP	Oxidation Reduction Potention	9/6/2022 9:22	-288.85	mv
GN-AP-MW-37V	PH	pH	9/6/2022 9:22	7.97	SU
GN-AP-MW-37V	TEMP	Temperature	9/6/2022 9:22	22.18	C
GN-AP-MW-37V	TURB	Turbidity	9/6/2022 9:22	0.81	NTU
GN-AP-MW-37V	COND	Conductivity	9/6/2022 9:27	446.7	uS/cm
GN-AP-MW-37V	DO	DO	9/6/2022 9:27	0.49	mg/L
GN-AP-MW-37V	DTW	Depth to Water Detail	9/6/2022 9:27	48.86	ft
GN-AP-MW-37V	ORP	Oxidation Reduction Potention	9/6/2022 9:27	-263.59	mv
GN-AP-MW-37V	PH	pH	9/6/2022 9:27	7.96	SU
GN-AP-MW-37V	TEMP	Temperature	9/6/2022 9:27	22.17	C
GN-AP-MW-37V	TURB	Turbidity	9/6/2022 9:27	0.86	NTU
GN-AP-MW-37V	COND	Conductivity	9/6/2022 9:32	447.37	uS/cm
GN-AP-MW-37V	DO	DO	9/6/2022 9:32	0.54	mg/L
GN-AP-MW-37V	DTW	Depth to Water Detail	9/6/2022 9:32	49.03	ft
GN-AP-MW-37V	ORP	Oxidation Reduction Potention	9/6/2022 9:32	-248.95	mv
GN-AP-MW-37V	PH	pH	9/6/2022 9:32	7.96	SU
GN-AP-MW-37V	TEMP	Temperature	9/6/2022 9:32	22.34	C
GN-AP-MW-37V	TURB	Turbidity	9/6/2022 9:32	0.69	NTU
GN-AP-MW-37V	COND	Conductivity	9/6/2022 9:37	448.03	uS/cm
GN-AP-MW-37V	DO	DO	9/6/2022 9:37	0.58	mg/L
GN-AP-MW-37V	DTW	Depth to Water Detail	9/6/2022 9:37	49.17	ft
GN-AP-MW-37V	ORP	Oxidation Reduction Potention	9/6/2022 9:37	-242.89	mv
GN-AP-MW-37V	PH	pH	9/6/2022 9:37	7.96	SU
GN-AP-MW-37V	TEMP	Temperature	9/6/2022 9:37	22.37	C
GN-AP-MW-37V	TURB	Turbidity	9/6/2022 9:37	0.74	NTU
GN-AP-MW-37V	COND	Conductivity	9/6/2022 9:42	448.76	uS/cm
GN-AP-MW-37V	DO	DO	9/6/2022 9:42	0.58	mg/L
GN-AP-MW-37V	DTW	Depth to Water Detail	9/6/2022 9:42	49.28	ft
GN-AP-MW-37V	ORP	Oxidation Reduction Potention	9/6/2022 9:42	-238.35	mv
GN-AP-MW-37V	PH	pH	9/6/2022 9:42	7.96	SU
GN-AP-MW-37V	SULFIDE	Sulfide	9/6/2022 9:42	1	mg/L
GN-AP-MW-37V	TEMP	Temperature	9/6/2022 9:42	22.36	C
GN-AP-MW-37V	TURB	Turbidity	9/6/2022 9:42	0.77	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:20	389.28	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:20	1	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:20	2.21	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:20	-92.93	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:20	7.44	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:20	26.79	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:20	2.11	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:25	388.76	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:25	0.88	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:25	2.7	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:25	-107.78	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:25	7.45	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:25	26.75	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:25	0.83	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:30	373.34	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:30	0.2	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:30	6.5	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:30	-112.17	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:30	7.47	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:30	21.55	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:30	0.7	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:35	369.34	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:35	0.18	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:35	9.11	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:35	-116.99	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:35	7.54	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:35	21.44	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:35	0.83	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:40	367.91	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:40	0.18	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:40	11.51	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:40	-118.05	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:40	7.57	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:40	21.24	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:40	0.69	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:45	369.96	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:45	0.27	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:45	11.9	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:45	-115.77	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:45	7.55	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:45	22.24	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:45	1.46	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:50	365.19	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-13	DO	DO	9/7/2022 11:50	0.28	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:50	11.8	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:50	-113.33	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:50	7.53	SU
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:50	22.11	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:50	0.49	NTU
GN-AP-MW-13	COND	Conductivity	9/7/2022 11:55	359.74	uS/cm
GN-AP-MW-13	DO	DO	9/7/2022 11:55	0.29	mg/L
GN-AP-MW-13	DTW	Depth to Water Detail	9/7/2022 11:55	11.8	ft
GN-AP-MW-13	ORP	Oxidation Reduction Potention	9/7/2022 11:55	-112.98	mv
GN-AP-MW-13	PH	pH	9/7/2022 11:55	7.52	SU
GN-AP-MW-13	SULFIDE	Sulfide	9/7/2022 11:55	0	mg/L
GN-AP-MW-13	TEMP	Temperature	9/7/2022 11:55	21.72	C
GN-AP-MW-13	TURB	Turbidity	9/7/2022 11:55	0.42	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-23D	COND	Conductivity	9/7/2022 9:44	578.19	uS/cm
GN-AP-MW-23D	DO	DO	9/7/2022 9:44	0.25	mg/L
GN-AP-MW-23D	DTW	Depth to Water Detail	9/7/2022 9:44	17.6	ft
GN-AP-MW-23D	ORP	Oxidation Reduction Potention	9/7/2022 9:44	-218.12	mv
GN-AP-MW-23D	PH	pH	9/7/2022 9:44	7.82	SU
GN-AP-MW-23D	TEMP	Temperature	9/7/2022 9:44	23.86	C
GN-AP-MW-23D	TURB	Turbidity	9/7/2022 9:44	2.05	NTU
GN-AP-MW-23D	COND	Conductivity	9/7/2022 9:49	573.34	uS/cm
GN-AP-MW-23D	DO	DO	9/7/2022 9:49	0.19	mg/L
GN-AP-MW-23D	DTW	Depth to Water Detail	9/7/2022 9:49	18.2	ft
GN-AP-MW-23D	ORP	Oxidation Reduction Potention	9/7/2022 9:49	-207.43	mv
GN-AP-MW-23D	PH	pH	9/7/2022 9:49	7.81	SU
GN-AP-MW-23D	TEMP	Temperature	9/7/2022 9:49	23.75	C
GN-AP-MW-23D	TURB	Turbidity	9/7/2022 9:49	1.12	NTU
GN-AP-MW-23D	COND	Conductivity	9/7/2022 9:54	574.01	uS/cm
GN-AP-MW-23D	DO	DO	9/7/2022 9:54	0.17	mg/L
GN-AP-MW-23D	DTW	Depth to Water Detail	9/7/2022 9:54	18.48	ft
GN-AP-MW-23D	ORP	Oxidation Reduction Potention	9/7/2022 9:54	-205.73	mv
GN-AP-MW-23D	PH	pH	9/7/2022 9:54	7.84	SU
GN-AP-MW-23D	TEMP	Temperature	9/7/2022 9:54	23.59	C
GN-AP-MW-23D	TURB	Turbidity	9/7/2022 9:54	0.48	NTU
GN-AP-MW-23D	COND	Conductivity	9/7/2022 9:59	573.32	uS/cm
GN-AP-MW-23D	DO	DO	9/7/2022 9:59	0.17	mg/L
GN-AP-MW-23D	DTW	Depth to Water Detail	9/7/2022 9:59	18.55	ft
GN-AP-MW-23D	ORP	Oxidation Reduction Potention	9/7/2022 9:59	-205.95	mv
GN-AP-MW-23D	PH	pH	9/7/2022 9:59	7.89	SU
GN-AP-MW-23D	TEMP	Temperature	9/7/2022 9:59	23.97	C
GN-AP-MW-23D	TURB	Turbidity	9/7/2022 9:59	0.35	NTU
GN-AP-MW-23D	COND	Conductivity	9/7/2022 10:04	572.33	uS/cm
GN-AP-MW-23D	DO	DO	9/7/2022 10:04	0.17	mg/L
GN-AP-MW-23D	DTW	Depth to Water Detail	9/7/2022 10:04	18.65	ft
GN-AP-MW-23D	ORP	Oxidation Reduction Potention	9/7/2022 10:04	-201.94	mv
GN-AP-MW-23D	PH	pH	9/7/2022 10:04	7.93	SU
GN-AP-MW-23D	SULFIDE	Sulfide	9/7/2022 10:04	1	mg/L
GN-AP-MW-23D	TEMP	Temperature	9/7/2022 10:04	23.36	C
GN-AP-MW-23D	TURB	Turbidity	9/7/2022 10:04	0.28	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:22	438.71	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:22	1.37	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:22	18.15	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:22	164.96	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:22	7.2	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:22	20.37	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:22	1.29	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:27	440.86	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:27	1.36	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:27	18.15	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:27	168.35	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:27	7.22	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:27	20.42	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:27	8.89	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:32	443.6	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:32	1.17	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:32	18.45	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:32	171.47	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:32	7.23	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:32	20.38	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:32	16.3	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:37	444.64	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:37	1.03	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:37	18.45	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:37	172.41	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:37	7.23	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:37	20.38	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:37	9.32	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:42	444.27	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:42	1.23	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:42	18.6	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:42	175.28	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:42	7.22	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:42	20.4	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:42	98.7	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:47	445.41	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:47	0.84	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:47	18.6	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:47	178.19	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:47	7.23	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:47	20.53	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:47	73.8	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:52	435.81	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-23S	DO	DO	9/7/2022 8:52	0.9	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:52	18.6	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:52	178.62	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:52	7.24	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:52	20.64	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:52	40.4	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 8:57	438.37	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 8:57	0.66	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 8:57	18.34	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 8:57	178.07	mv
GN-AP-MW-23S	PH	pH	9/7/2022 8:57	7.26	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 8:57	20.94	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 8:57	11.09	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 9:02	434.6	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 9:02	0.56	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 9:02	18.34	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 9:02	177.61	mv
GN-AP-MW-23S	PH	pH	9/7/2022 9:02	7.26	SU
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 9:02	21.05	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 9:02	8.52	NTU
GN-AP-MW-23S	COND	Conductivity	9/7/2022 9:07	432.45	uS/cm
GN-AP-MW-23S	DO	DO	9/7/2022 9:07	0.51	mg/L
GN-AP-MW-23S	DTW	Depth to Water Detail	9/7/2022 9:07	18.2	ft
GN-AP-MW-23S	ORP	Oxidation Reduction Potention	9/7/2022 9:07	176.96	mv
GN-AP-MW-23S	PH	pH	9/7/2022 9:07	7.26	SU
GN-AP-MW-23S	SULFIDE	Sulfide	9/7/2022 9:07	0	mg/L
GN-AP-MW-23S	TEMP	Temperature	9/7/2022 9:07	20.91	C
GN-AP-MW-23S	TURB	Turbidity	9/7/2022 9:07	5.51	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-27	COND	Conductivity	9/6/2022 14:13	273.75	uS/cm
GN-AP-MW-27	DO	DO	9/6/2022 14:13	3.84	mg/L
GN-AP-MW-27	DTW	Depth to Water Detail	9/6/2022 14:13	15.5	ft
GN-AP-MW-27	ORP	Oxidation Reduction Potention	9/6/2022 14:13	174.84	mv
GN-AP-MW-27	PH	pH	9/6/2022 14:13	6.96	SU
GN-AP-MW-27	TEMP	Temperature	9/6/2022 14:13	20.97	C
GN-AP-MW-27	TURB	Turbidity	9/6/2022 14:13	7.18	NTU
GN-AP-MW-27	COND	Conductivity	9/6/2022 14:18	268	uS/cm
GN-AP-MW-27	DO	DO	9/6/2022 14:18	4.33	mg/L
GN-AP-MW-27	DTW	Depth to Water Detail	9/6/2022 14:18	15.65	ft
GN-AP-MW-27	ORP	Oxidation Reduction Potention	9/6/2022 14:18	174.33	mv
GN-AP-MW-27	PH	pH	9/6/2022 14:18	6.97	SU
GN-AP-MW-27	TEMP	Temperature	9/6/2022 14:18	20.81	C
GN-AP-MW-27	TURB	Turbidity	9/6/2022 14:18	4.46	NTU
GN-AP-MW-27	COND	Conductivity	9/6/2022 14:23	271.59	uS/cm
GN-AP-MW-27	DO	DO	9/6/2022 14:23	4.51	mg/L
GN-AP-MW-27	DTW	Depth to Water Detail	9/6/2022 14:23	15.65	ft
GN-AP-MW-27	ORP	Oxidation Reduction Potention	9/6/2022 14:23	175.79	mv
GN-AP-MW-27	PH	pH	9/6/2022 14:23	6.98	SU
GN-AP-MW-27	TEMP	Temperature	9/6/2022 14:23	20.6	C
GN-AP-MW-27	TURB	Turbidity	9/6/2022 14:23	3.15	NTU
GN-AP-MW-27	COND	Conductivity	9/6/2022 14:28	277.39	uS/cm
GN-AP-MW-27	DO	DO	9/6/2022 14:28	4.53	mg/L
GN-AP-MW-27	DTW	Depth to Water Detail	9/6/2022 14:28	15.65	ft
GN-AP-MW-27	ORP	Oxidation Reduction Potention	9/6/2022 14:28	176.76	mv
GN-AP-MW-27	PH	pH	9/6/2022 14:28	6.99	SU
GN-AP-MW-27	SULFIDE	Sulfide	9/6/2022 14:28	0	mg/L
GN-AP-MW-27	TEMP	Temperature	9/6/2022 14:28	20.67	C
GN-AP-MW-27	TURB	Turbidity	9/6/2022 14:28	2.51	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-8	COND	Conductivity	8/31/2022 13:01	454.75	uS/cm
GN-AP-MW-8	DO	DO	8/31/2022 13:01	2.88	mg/L
GN-AP-MW-8	DTW	Depth to Water Detail	8/31/2022 13:01	19.76	ft
GN-AP-MW-8	ORP	Oxidation Reduction Potention	8/31/2022 13:01	-98.62	mv
GN-AP-MW-8	PH	pH	8/31/2022 13:01	7.43	SU
GN-AP-MW-8	TEMP	Temperature	8/31/2022 13:01	30.32	C
GN-AP-MW-8	TURB	Turbidity	8/31/2022 13:01	0.96	NTU
GN-AP-MW-8	COND	Conductivity	8/31/2022 13:12	460.09	uS/cm
GN-AP-MW-8	DO	DO	8/31/2022 13:12	2.21	mg/L
GN-AP-MW-8	DTW	Depth to Water Detail	8/31/2022 13:12	20.39	ft
GN-AP-MW-8	ORP	Oxidation Reduction Potention	8/31/2022 13:12	-101.32	mv
GN-AP-MW-8	PH	pH	8/31/2022 13:12	7.44	SU
GN-AP-MW-8	SULFIDE	Sulfide	8/31/2022 13:12	1	mg/L
GN-AP-MW-8	TEMP	Temperature	8/31/2022 13:12	30.4	C
GN-AP-MW-8	TURB	Turbidity	8/31/2022 13:12	0.98	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-9	COND	Conductivity	8/31/2022 11:03	373.64	uS/cm
GN-AP-MW-9	DO	DO	8/31/2022 11:03	2.47	mg/L
GN-AP-MW-9	DTW	Depth to Water Detail	8/31/2022 11:03	10.68	ft
GN-AP-MW-9	ORP	Oxidation Reduction Potention	8/31/2022 11:03	-126.33	mv
GN-AP-MW-9	PH	pH	8/31/2022 11:03	7.7	SU
GN-AP-MW-9	TEMP	Temperature	8/31/2022 11:03	26.67	C
GN-AP-MW-9	TURB	Turbidity	8/31/2022 11:03	0.52	NTU
GN-AP-MW-9	COND	Conductivity	8/31/2022 11:19	377.24	uS/cm
GN-AP-MW-9	DO	DO	8/31/2022 11:19	2.38	mg/L
GN-AP-MW-9	DTW	Depth to Water Detail	8/31/2022 11:19	13.32	ft
GN-AP-MW-9	ORP	Oxidation Reduction Potention	8/31/2022 11:19	-123.47	mv
GN-AP-MW-9	PH	pH	8/31/2022 11:19	7.74	SU
GN-AP-MW-9	SULFIDE	Sulfide	8/31/2022 11:19	0	mg/L
GN-AP-MW-9	TEMP	Temperature	8/31/2022 11:19	26.58	C
GN-AP-MW-9	TURB	Turbidity	8/31/2022 11:19	0.28	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:09	304.17	uS/cm
GN-AP-MW-10	DO	DO	8/31/2022 15:09	1.77	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:09	7.76	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:09	0.49	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:09	7.54	SU
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:09	25.58	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:09	0.2	NTU
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:14	309.43	uS/cm
GN-AP-MW-10	DO	DO	8/31/2022 15:14	1.83	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:14	7.84	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:14	8.63	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:14	7.39	SU
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:14	25.28	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:14	0.22	NTU
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:19	287.98	uS/cm
GN-AP-MW-10	DO	DO	8/31/2022 15:19	1.8	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:19	7.91	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:19	14.81	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:19	7.29	SU
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:19	25.17	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:19	0.17	NTU
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:24	291.67	uS/cm
GN-AP-MW-10	DO	DO	8/31/2022 15:24	1.8	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:24	7.94	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:24	21.06	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:24	7.23	SU
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:24	25.33	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:24	0.13	NTU
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:29	294.53	uS/cm
GN-AP-MW-10	DO	DO	8/31/2022 15:29	2.07	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:29	7.96	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:29	24.87	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:29	7.22	SU
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:29	24.88	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:29	0.17	NTU
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:34	299.18	uS/cm
GN-AP-MW-10	DO	DO	8/31/2022 15:34	2.03	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:34	7.96	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:34	26.91	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:34	7.23	SU
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:34	24.75	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:34	0.02	NTU
GN-AP-MW-10	COND	Conductivity	8/31/2022 15:39	290.69	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-10	DO	DO	8/31/2022 15:39	2.06	mg/L
GN-AP-MW-10	DTW	Depth to Water Detail	8/31/2022 15:39	7.96	ft
GN-AP-MW-10	ORP	Oxidation Reduction Potention	8/31/2022 15:39	27.66	mv
GN-AP-MW-10	PH	pH	8/31/2022 15:39	7.25	SU
GN-AP-MW-10	SULFIDE	Sulfide	8/31/2022 15:39	0	mg/L
GN-AP-MW-10	TEMP	Temperature	8/31/2022 15:39	24.81	C
GN-AP-MW-10	TURB	Turbidity	8/31/2022 15:39	0.03	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-11	COND	Conductivity	9/6/2022 10:37	363.25	uS/cm
GN-AP-MW-11	DO	DO	9/6/2022 10:37	10.31	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 10:37	13.31	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 10:37	145.46	mv
GN-AP-MW-11	PH	pH	9/6/2022 10:37	7.59	SU
GN-AP-MW-11	TEMP	Temperature	9/6/2022 10:37	21.38	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 10:37	1.62	NTU
GN-AP-MW-11	COND	Conductivity	9/6/2022 10:42	364.08	uS/cm
GN-AP-MW-11	DO	DO	9/6/2022 10:42	8.29	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 10:42	13.64	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 10:42	139.61	mv
GN-AP-MW-11	PH	pH	9/6/2022 10:42	7.57	SU
GN-AP-MW-11	TEMP	Temperature	9/6/2022 10:42	22.76	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 10:42	1.16	NTU
GN-AP-MW-11	COND	Conductivity	9/6/2022 10:47	367.4	uS/cm
GN-AP-MW-11	DO	DO	9/6/2022 10:47	4.1	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 10:47	13.19	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 10:47	133.77	mv
GN-AP-MW-11	PH	pH	9/6/2022 10:47	7.6	SU
GN-AP-MW-11	TEMP	Temperature	9/6/2022 10:47	22.49	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 10:47	1.09	NTU
GN-AP-MW-11	COND	Conductivity	9/6/2022 10:52	373.23	uS/cm
GN-AP-MW-11	DO	DO	9/6/2022 10:52	3.39	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 10:52	13.19	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 10:52	129.18	mv
GN-AP-MW-11	PH	pH	9/6/2022 10:52	7.64	SU
GN-AP-MW-11	TEMP	Temperature	9/6/2022 10:52	22.43	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 10:52	0.92	NTU
GN-AP-MW-11	COND	Conductivity	9/6/2022 10:57	367.83	uS/cm
GN-AP-MW-11	DO	DO	9/6/2022 10:57	3.21	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 10:57	13.19	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 10:57	125.75	mv
GN-AP-MW-11	PH	pH	9/6/2022 10:57	7.66	SU
GN-AP-MW-11	TEMP	Temperature	9/6/2022 10:57	22.24	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 10:57	1.05	NTU
GN-AP-MW-11	COND	Conductivity	9/6/2022 11:02	372.51	uS/cm
GN-AP-MW-11	DO	DO	9/6/2022 11:02	3.12	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 11:02	13.19	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 11:02	123.35	mv
GN-AP-MW-11	PH	pH	9/6/2022 11:02	7.67	SU
GN-AP-MW-11	TEMP	Temperature	9/6/2022 11:02	22.25	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 11:02	0.58	NTU
GN-AP-MW-11	COND	Conductivity	9/6/2022 11:07	373.69	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-11	DO	DO	9/6/2022 11:07	3.1	mg/L
GN-AP-MW-11	DTW	Depth to Water Detail	9/6/2022 11:07	13.19	ft
GN-AP-MW-11	ORP	Oxidation Reduction Potention	9/6/2022 11:07	121.55	mv
GN-AP-MW-11	PH	pH	9/6/2022 11:07	7.67	SU
GN-AP-MW-11	SULFIDE	Sulfide	9/6/2022 11:07	0	mg/L
GN-AP-MW-11	TEMP	Temperature	9/6/2022 11:07	22.02	C
GN-AP-MW-11	TURB	Turbidity	9/6/2022 11:07	0.9	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:02	585.73	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:02	0.02	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:02	9.59	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:02	-103.82	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:02	7.42	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:02	22.18	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:02	3.77	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:07	583.7	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:07	0.02	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:07	14.87	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:07	-107.17	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:07	7.39	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:07	22.13	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:07	8.87	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:12	582.42	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:12	0.07	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:12	19.76	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:12	-107.3	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:12	7.35	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:12	21.99	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:12	19.3	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:17	581.97	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:17	0.14	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:17	20.83	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:17	-105.78	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:17	7.32	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:17	21.73	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:17	19.7	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:22	581.28	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:22	0.27	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:22	22.36	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:22	-102.52	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:22	7.28	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:22	21.34	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:22	44.6	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:27	585.7	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:27	0.63	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:27	21.6	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:27	-99.49	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:27	7.28	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:27	24.09	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:27	34.8	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:32	584.87	uS/cm

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-12	DO	DO	9/6/2022 12:32	0.5	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:32	21.6	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:32	-101.78	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:32	7.32	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:32	24.1	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:32	9.63	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:37	585.3	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:37	0.39	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:37	21.6	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:37	-104.06	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:37	7.37	SU
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:37	24.02	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:37	6.05	NTU
GN-AP-MW-12	COND	Conductivity	9/6/2022 12:42	579.23	uS/cm
GN-AP-MW-12	DO	DO	9/6/2022 12:42	0.38	mg/L
GN-AP-MW-12	DTW	Depth to Water Detail	9/6/2022 12:42	21.6	ft
GN-AP-MW-12	ORP	Oxidation Reduction Potention	9/6/2022 12:42	-106.35	mv
GN-AP-MW-12	PH	pH	9/6/2022 12:42	7.39	SU
GN-AP-MW-12	SULFIDE	Sulfide	9/6/2022 12:42	0	mg/L
GN-AP-MW-12	TEMP	Temperature	9/6/2022 12:42	24	C
GN-AP-MW-12	TURB	Turbidity	9/6/2022 12:42	3.46	NTU

**Field Parameter Summary
Plant Gaston Ash Pond**

WELL ID	PARAMETER	DESCRIPTION	TIME OF READING	VALUE	UNIT
GN-AP-MW-14	COND	Conductivity	9/6/2022 14:15	451.63	uS/cm
GN-AP-MW-14	DO	DO	9/6/2022 14:15	0.37	mg/L
GN-AP-MW-14	DTW	Depth to Water Detail	9/6/2022 14:15	29.1	ft
GN-AP-MW-14	ORP	Oxidation Reduction Potention	9/6/2022 14:15	-134.68	mv
GN-AP-MW-14	PH	pH	9/6/2022 14:15	7.59	SU
GN-AP-MW-14	TEMP	Temperature	9/6/2022 14:15	22.65	C
GN-AP-MW-14	TURB	Turbidity	9/6/2022 14:15	0.55	NTU
GN-AP-MW-14	COND	Conductivity	9/6/2022 14:20	449.87	uS/cm
GN-AP-MW-14	DO	DO	9/6/2022 14:20	0.28	mg/L
GN-AP-MW-14	DTW	Depth to Water Detail	9/6/2022 14:20	29.28	ft
GN-AP-MW-14	ORP	Oxidation Reduction Potention	9/6/2022 14:20	-133.41	mv
GN-AP-MW-14	PH	pH	9/6/2022 14:20	7.52	SU
GN-AP-MW-14	TEMP	Temperature	9/6/2022 14:20	22.7	C
GN-AP-MW-14	TURB	Turbidity	9/6/2022 14:20	0.63	NTU
GN-AP-MW-14	COND	Conductivity	9/6/2022 14:25	451.24	uS/cm
GN-AP-MW-14	DO	DO	9/6/2022 14:25	0.23	mg/L
GN-AP-MW-14	DTW	Depth to Water Detail	9/6/2022 14:25	29.34	ft
GN-AP-MW-14	ORP	Oxidation Reduction Potention	9/6/2022 14:25	-131.76	mv
GN-AP-MW-14	PH	pH	9/6/2022 14:25	7.42	SU
GN-AP-MW-14	TEMP	Temperature	9/6/2022 14:25	22.61	C
GN-AP-MW-14	TURB	Turbidity	9/6/2022 14:25	0.4	NTU
GN-AP-MW-14	COND	Conductivity	9/6/2022 14:30	458.97	uS/cm
GN-AP-MW-14	DO	DO	9/6/2022 14:30	0.2	mg/L
GN-AP-MW-14	DTW	Depth to Water Detail	9/6/2022 14:30	29.39	ft
GN-AP-MW-14	ORP	Oxidation Reduction Potention	9/6/2022 14:30	-127.79	mv
GN-AP-MW-14	PH	pH	9/6/2022 14:30	7.35	SU
GN-AP-MW-14	SULFIDE	Sulfide	9/6/2022 14:30	0	mg/L
GN-AP-MW-14	TEMP	Temperature	9/6/2022 14:30	22.39	C
GN-AP-MW-14	TURB	Turbidity	9/6/2022 14:30	0.54	NTU

Alabama Power
General Test Laboratory
744 County Road 87, GSC #8
Calera, AL 35040
205-664-6001

Analytical Report



Sample Group : WMWGASAP_1382

Project/Site : Gaston Ash Pond
Wilsonville, AL 35186

For : Southern Company Services
3535 Colonnade Parkway
Birmingham, AL 35243

Attention : Dustin Brooks & Greg Dyer

Released By : Renee Jernigan
rgarner@southernco.com
(205) 664-6247

September 30, 2022


Dear Dustin Brooks,


Enclosed are the analytical results for sample(s) received by the laboratory between August 31, 2022 and September 07, 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, 2023

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

Sincerely,

Quality Control: **Renee Jernigan**  Digitally signed by Renee Jernigan
Date: 2022.10.03 08:54:17 -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, ou=United States, e=tmaske@southernco.com
Reason: I am the author of this document
Location:
Date: 2022-10-04 15:28-05:00



REPORT OF LABORATORY ANALYSIS

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



Total Metals ICP

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735147	WMWGASAP_1382
BC16332	735147	WMWGASAP_1382
BC16333	735147	WMWGASAP_1382
BC16334	735147	WMWGASAP_1382
BC16335	735147	WMWGASAP_1382
BC16336	735147	WMWGASAP_1382
BC16337	735147	WMWGASAP_1382
BC16338	735147	WMWGASAP_1382
BC16339	735147	WMWGASAP_1382
BC16340	735147	WMWGASAP_1382
BC16341	735148	WMWGASAP_1382
BC16342	735148	WMWGASAP_1382
BC16343	735148	WMWGASAP_1382
BC16344	735148	WMWGASAP_1382
BC16345	735148	WMWGASAP_1382
BC16346	735148	WMWGASAP_1382
BC16347	735148	WMWGASAP_1382
BC16348	735148	WMWGASAP_1382
BC16349	735148	WMWGASAP_1382
BC16350	735148	WMWGASAP_1382
BC16351	735149	WMWGASAP_1382
BC16352	735149	WMWGASAP_1382
BC16353	735149	WMWGASAP_1382
BC16354	735149	WMWGASAP_1382
BC16355	735149	WMWGASAP_1382
BC16356	735149	WMWGASAP_1382
BC16357	735149	WMWGASAP_1382
BC16358	735149	WMWGASAP_1382
BC16359	735149	WMWGASAP_1382
BC16414	735251	WMWGASAP_1382
BC16415	735251	WMWGASAP_1382

BC16416	735251	WMWGASAP_1382
BC16417	735251	WMWGASAP_1382
BC16418	735251	WMWGASAP_1382
BC16419	735251	WMWGASAP_1382
BC16420	735251	WMWGASAP_1382
BC16421	735251	WMWGASAP_1382
BC16422	735251	WMWGASAP_1382
BC16423	735251	WMWGASAP_1382
BC16424	735252	WMWGASAP_1382
BC16784	735686	WMWGASAP_1382
BC16785	735686	WMWGASAP_1382
BC16786	735686	WMWGASAP_1382
BC16787	735686	WMWGASAP_1382
BC16788	735686	WMWGASAP_1382
BC16789	735686	WMWGASAP_1382
BC16790	735686	WMWGASAP_1382
BC16791	735686	WMWGASAP_1382
BC16792	735686	WMWGASAP_1382
BC16793	735686	WMWGASAP_1382
BC16794	735687	WMWGASAP_1382
BC16795	735687	WMWGASAP_1382
BC16796	735687	WMWGASAP_1382
BC16797	735687	WMWGASAP_1382
BC16798	735687	WMWGASAP_1382

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:
 - BC16340, BC16359, BC16423 and BC16798 Calcium MS/MSD spike levels were less than 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 sample was diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC16337	Calcium	10.15
BC16338	Calcium	10.15
BC16339	Calcium	10.15
BC16340	Calcium	10.15
BC16342	Calcium	10.15
BC16343	Calcium	10.15
BC16344	Calcium	10.15
BC16345	Calcium	10.15
BC16346	Calcium	10.15
BC16347	Calcium	10.15
BC16351	Calcium, Magnesium	10.15
BC16352	Calcium, Iron, Magnesium	10.15
BC16353	Calcium, Magnesium	10.15
BC16354	Calcium, Magnesium	10.15
BC16355	Calcium, Magnesium	10.15
BC16356	Calcium, Sodium	10.15
BC16357	Calcium, Sodium	10.15

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BC16358	Calcium	10.15
BC16359	Calcium	10.15
BC16415	Calcium, Sodium	10.15
BC16416	Calcium	10.15
BC16417	Calcium	10.15
BC16418	Calcium	10.15
BC16419	Calcium	10.15
BC16420	Calcium	10.15
BC16421	Calcium	10.15
BC16423	Calcium	10.15
BC16785	Calcium, Sodium	10.15
BC16786	Sodium	10.15
BC16787	Calcium, Sodium	10.15
BC16789	Calcium, Magnesium	10.15
BC16792	Calcium	10.15
BC16794	Magnesium	10.15
BC16795	Calcium	10.15
BC16796	Calcium	10.15
BC16797	Calcium	10.15
BC16798	Calcium	10.15

8. The raw data results are shown with dilution factors included.

Dissolved Metals ICP

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735160	WMWGASAP_1382
BC16332	735160	WMWGASAP_1382
BC16333	735160	WMWGASAP_1382
BC16334	735160	WMWGASAP_1382
BC16335	735160	WMWGASAP_1382
BC16336	735160	WMWGASAP_1382
BC16337	735160	WMWGASAP_1382
BC16338	735160	WMWGASAP_1382
BC16339	735160	WMWGASAP_1382
BC16340	735160	WMWGASAP_1382
BC16342	735161	WMWGASAP_1382
BC16343	735161	WMWGASAP_1382
BC16344	735161	WMWGASAP_1382
BC16345	735161	WMWGASAP_1382
BC16346	735161	WMWGASAP_1382
BC16347	735161	WMWGASAP_1382
BC16349	735161	WMWGASAP_1382
BC16351	735161	WMWGASAP_1382
BC16352	735161	WMWGASAP_1382
BC16353	735161	WMWGASAP_1382
BC16354	735162	WMWGASAP_1382
BC16355	735162	WMWGASAP_1382
BC16356	735162	WMWGASAP_1382
BC16357	735162	WMWGASAP_1382
BC16358	735162	WMWGASAP_1382
BC16359	735162	WMWGASAP_1382
BC16415	735255	WMWGASAP_1382
BC16416	735255	WMWGASAP_1382
BC16417	735255	WMWGASAP_1382
BC16418	735255	WMWGASAP_1382
BC16419	735255	WMWGASAP_1382

BC16420	735255	WMWGASAP_1382
BC16421	735255	WMWGASAP_1382
BC16422	735255	WMWGASAP_1382
BC16423	735255	WMWGASAP_1382
BC16424	735255	WMWGASAP_1382
BC16784	735651	WMWGASAP_1382
BC16785	735651	WMWGASAP_1382
BC16786	735651	WMWGASAP_1382
BC16787	735651	WMWGASAP_1382
BC16789	735651	WMWGASAP_1382
BC16790	735651	WMWGASAP_1382
BC16791	735651	WMWGASAP_1382
BC16792	735651	WMWGASAP_1382
BC16794	735651	WMWGASAP_1382
BC16795	735651	WMWGASAP_1382
BC16796	735652	WMWGASAP_1382
BC16797	735652	WMWGASAP_1382
BC16798	735652	WMWGASAP_1382

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:
 - BC16353 Calcium, Magnesium and Sodium MS/MSD spike levels were less than 30% of the sample concentrations.
 - BC16359 Calcium MS/MSD spike levels were less than 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC16337	Calcium	10.15
BC16338	Calcium	10.15
BC16339	Calcium	10.15
BC16340	Calcium	10.15
BC16342	Calcium	10.15
BC16343	Calcium	10.15
BC16344	Calcium	10.15
BC16345	Calcium	10.15
BC16346	Calcium	10.15
BC16347	Calcium	10.15
BC16351	Calcium, Magnesium	10.15
BC16352	Calcium, Iron, Magnesium	10.15
BC16353	Calcium, Magnesium	10.15
BC16354	Calcium, Magnesium	10.15
BC16355	Calcium, Magnesium	10.15
BC16356	Calcium, Sodium	10.15
BC16357	Calcium, Sodium	10.15
BC16358	Calcium	10.15
BC16359	Calcium	10.15
BC16415	Calcium, Sodium	10.15
BC16416	Calcium	10.15
BC16417	Calcium	10.15

Case Narrative

BC16418	Calcium	10.15
BC16419	Calcium	10.15
BC16420	Calcium	10.15
BC16421	Calcium	10.15
BC16423	Calcium	10.15
BC16785	Calcium, Sodium	10.15
BC16786	Sodium	10.15
BC16787	Calcium, Sodium	10.15
BC16789	Calcium, Magnesium	10.15
BC16790	Calcium	10.15
BC16792	Calcium	10.15
BC16794	Magnesium	10.15
BC16795	Calcium	10.15
BC16796	Calcium	10.15
BC16797	Calcium	10.15
BC16798	Calcium, Magnesium	10.15

8. The raw data results are shown with dilution factors included.

Case Narrative

Total Metals ICPMS

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735734	WMWGASAP_1382
BC16332	735734	WMWGASAP_1382
BC16333	735734	WMWGASAP_1382
BC16334	735734	WMWGASAP_1382
BC16335	735734	WMWGASAP_1382
BC16336	735734	WMWGASAP_1382
BC16337	735734	WMWGASAP_1382
BC16338	735734	WMWGASAP_1382
BC16339	735734	WMWGASAP_1382
BC16340	735734	WMWGASAP_1382
BC16341	735735	WMWGASAP_1382
BC16342	735735	WMWGASAP_1382
BC16343	735735	WMWGASAP_1382
BC16344	735735	WMWGASAP_1382
BC16345	735735	WMWGASAP_1382
BC16346	735735	WMWGASAP_1382
BC16347	735735	WMWGASAP_1382
BC16348	735735	WMWGASAP_1382
BC16349	735735	WMWGASAP_1382
BC16350	735735	WMWGASAP_1382
BC16351	735736	WMWGASAP_1382
BC16352	735736	WMWGASAP_1382
BC16353	735736	WMWGASAP_1382
BC16354	735736	WMWGASAP_1382
BC16355	735736	WMWGASAP_1382
BC16356	735736	WMWGASAP_1382
BC16357	735736	WMWGASAP_1382
BC16358	735736	WMWGASAP_1382
BC16359	735736	WMWGASAP_1382
BC16414	735768	WMWGASAP_1382
BC16415	735768	WMWGASAP_1382

BC16416	735768	WMWGASAP_1382
BC16417	735768	WMWGASAP_1382
BC16418	735768	WMWGASAP_1382
BC16419	735768	WMWGASAP_1382
BC16420	735768	WMWGASAP_1382
BC16421	735768	WMWGASAP_1382
BC16422	735768	WMWGASAP_1382
BC16423	735768	WMWGASAP_1382
BC16424	735769	WMWGASAP_1382
BC16784	736368	WMWGASAP_1382
BC16785	736368	WMWGASAP_1382
BC16786	736368	WMWGASAP_1382
BC16787	736368	WMWGASAP_1382
BC16788	736368	WMWGASAP_1382
BC16789	736368	WMWGASAP_1382
BC16790	736368	WMWGASAP_1382
BC16791	736368	WMWGASAP_1382
BC16792	736368	WMWGASAP_1382
BC16793	736368	WMWGASAP_1382
BC16794	736369	WMWGASAP_1382
BC16795	736369	WMWGASAP_1382
BC16796	736369	WMWGASAP_1382
BC16797	736369	WMWGASAP_1382
BC16798	736369	WMWGASAP_1382

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:
 - BC16340 Aluminum MS and/or MSD recovery is outside specification limits.
 - 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 diluted due to the analyzed sample concentration being greater than the high standard of the calibration curve:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC16356	Molybdenum	5.075
BC16357	Molybdenum	5.075
BC16420	Molybdenum	5.075

8. The raw data results are shown with dilution factors included.

Dissolved Metals ICPMS

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735787	WMWGASAP_1382
BC16332	735787	WMWGASAP_1382
BC16333	735787	WMWGASAP_1382
BC16334	735787	WMWGASAP_1382
BC16335	735787	WMWGASAP_1382
BC16336	735787	WMWGASAP_1382
BC16337	735787	WMWGASAP_1382
BC16338	735787	WMWGASAP_1382
BC16339	735787	WMWGASAP_1382
BC16340	735787	WMWGASAP_1382
BC16342	735788	WMWGASAP_1382
BC16343	735788	WMWGASAP_1382
BC16344	735788	WMWGASAP_1382
BC16345	735788	WMWGASAP_1382
BC16346	735788	WMWGASAP_1382
BC16347	735788	WMWGASAP_1382
BC16349	735788	WMWGASAP_1382
BC16351	735788	WMWGASAP_1382
BC16352	735788	WMWGASAP_1382
BC16353	735788	WMWGASAP_1382
BC16354	735789	WMWGASAP_1382
BC16355	735789	WMWGASAP_1382
BC16356	735789	WMWGASAP_1382
BC16357	735789	WMWGASAP_1382
BC16358	735789	WMWGASAP_1382
BC16359	735789	WMWGASAP_1382
BC16415	735771	WMWGASAP_1382
BC16416	735771	WMWGASAP_1382
BC16417	735771	WMWGASAP_1382
BC16418	735771	WMWGASAP_1382
BC16419	735771	WMWGASAP_1382

BC16420	735771	WMWGASAP_1382
BC16421	735771	WMWGASAP_1382
BC16422	735771	WMWGASAP_1382
BC16423	735771	WMWGASAP_1382
BC16424	735771	WMWGASAP_1382
BC16784	736287	WMWGASAP_1382
BC16785	736287	WMWGASAP_1382
BC16786	736287	WMWGASAP_1382
BC16787	736287	WMWGASAP_1382
BC16789	736287	WMWGASAP_1382
BC16790	736287	WMWGASAP_1382
BC16791	736287	WMWGASAP_1382
BC16792	736287	WMWGASAP_1382
BC16794	736287	WMWGASAP_1382
BC16795	736287	WMWGASAP_1382
BC16796	736288	WMWGASAP_1382
BC16797	736288	WMWGASAP_1382
BC16798	736288	WMWGASAP_1382

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.
 - 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC16356	Molybdenum	5.075
BC16357	Molybdenum	5.075
BC16420	Molybdenum	5.075

8. The raw data results are shown with dilution factors included.

Mercury

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735298	WMWGASAP_1382
BC16332	735298	WMWGASAP_1382
BC16333	735298	WMWGASAP_1382
BC16334	735298	WMWGASAP_1382
BC16335	735298	WMWGASAP_1382
BC16336	735298	WMWGASAP_1382
BC16337	735298	WMWGASAP_1382
BC16338	735298	WMWGASAP_1382
BC16339	735298	WMWGASAP_1382
BC16340	735298	WMWGASAP_1382
BC16341	735381	WMWGASAP_1382
BC16342	735381	WMWGASAP_1382
BC16343	735381	WMWGASAP_1382
BC16344	735381	WMWGASAP_1382
BC16345	735381	WMWGASAP_1382
BC16346	735381	WMWGASAP_1382
BC16347	735381	WMWGASAP_1382
BC16348	735381	WMWGASAP_1382
BC16349	735381	WMWGASAP_1382
BC16350	735381	WMWGASAP_1382
BC16351	735930	WMWGASAP_1382
BC16352	735930	WMWGASAP_1382
BC16353	735930	WMWGASAP_1382
BC16354	735930	WMWGASAP_1382
BC16355	735930	WMWGASAP_1382
BC16356	735930	WMWGASAP_1382
BC16357	735930	WMWGASAP_1382
BC16358	735931	WMWGASAP_1382
BC16359	735931	WMWGASAP_1382
BC16414	735931	WMWGASAP_1382
BC16415	735931	WMWGASAP_1382

BC16416	735931	WMWGASAP_1382
BC16417	735931	WMWGASAP_1382
BC16418	735931	WMWGASAP_1382
BC16419	735931	WMWGASAP_1382
BC16420	735931	WMWGASAP_1382
BC16421	735931	WMWGASAP_1382
BC16422	735932	WMWGASAP_1382
BC16423	735932	WMWGASAP_1382
BC16424	735932	WMWGASAP_1382
BC16784	735932	WMWGASAP_1382
BC16785	735932	WMWGASAP_1382
BC16786	735932	WMWGASAP_1382
BC16787	735932	WMWGASAP_1382
BC16788	735932	WMWGASAP_1382
BC16789	735932	WMWGASAP_1382
BC16790	735932	WMWGASAP_1382
BC16791	736242	WMWGASAP_1382
BC16792	736242	WMWGASAP_1382
BC16793	736242	WMWGASAP_1382
BC16794	736242	WMWGASAP_1382
BC16795	736242	WMWGASAP_1382
BC16796	736242	WMWGASAP_1382
BC16797	736242	WMWGASAP_1382
BC16798	736242	WMWGASAP_1382

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 factor.

Anions

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735441,735445,736089	WMWGASAP_1382
BC16332	735441,735445,736089	WMWGASAP_1382
BC16333	735441,735445,736089	WMWGASAP_1382
BC16334	735441,735445,736089	WMWGASAP_1382
BC16335	735441,735445,736089	WMWGASAP_1382
BC16336	735441,735445,736089	WMWGASAP_1382
BC16337	735441,735445,736089	WMWGASAP_1382
BC16338	735441,735445,736089	WMWGASAP_1382
BC16339	735441,735445,736089	WMWGASAP_1382
BC16340	735441,735445,736089	WMWGASAP_1382
BC16341	735442,735446,736090	WMWGASAP_1382
BC16342	735442,735446,736090	WMWGASAP_1382
BC16343	735442,735446,736090	WMWGASAP_1382
BC16344	735442,735446,736090	WMWGASAP_1382
BC16345	735442,735446,736090	WMWGASAP_1382
BC16346	735442,735446,736090	WMWGASAP_1382
BC16347	735442,735446,736090	WMWGASAP_1382
BC16348	735442,735446,736090	WMWGASAP_1382
BC16349	735442,735446,736090	WMWGASAP_1382
BC16350	735442,735446,736090	WMWGASAP_1382
BC16351	735443,735447,736091	WMWGASAP_1382
BC16352	735443,735447,736091	WMWGASAP_1382
BC16353	735443,735447,736091	WMWGASAP_1382
BC16354	735443,735447,736091	WMWGASAP_1382
BC16355	735443,735447,736091	WMWGASAP_1382
BC16356	735443,735447,736091	WMWGASAP_1382
BC16357	735443,735447,736091	WMWGASAP_1382
BC16358	735443,735447,736091	WMWGASAP_1382
BC16359	735443,735447,736091	WMWGASAP_1382
BC16414	735443,735447,736091	WMWGASAP_1382
BC16415	735444,735448,736092	WMWGASAP_1382

BC16416	735444,735448,736092	WMWGASAP_1382
BC16417	735444,735448,736092	WMWGASAP_1382
BC16418	735444,735448,736092	WMWGASAP_1382
BC16419	735444,735448,736092	WMWGASAP_1382
BC16420	735444,735448,736092	WMWGASAP_1382
BC16421	735444,735448,736092	WMWGASAP_1382
BC16422	735444,735448,736092	WMWGASAP_1382
BC16423	735444,735448,736092	WMWGASAP_1382
BC16424	735444,735448,736092	WMWGASAP_1382
BC16784	735973,735975,736093	WMWGASAP_1382
BC16785	735973,735975,736093	WMWGASAP_1382
BC16786	735973,735975,736093	WMWGASAP_1382
BC16787	735973,735975,736093	WMWGASAP_1382
BC16788	735973,735975,736093	WMWGASAP_1382
BC16789	735973,735975,736093	WMWGASAP_1382
BC16790	735973,735975,736093	WMWGASAP_1382
BC16791	735973,735975,736093	WMWGASAP_1382
BC16792	735973,735975,736093	WMWGASAP_1382
BC16793	735973,735975,736093	WMWGASAP_1382
BC16794	735974,735976,736094	WMWGASAP_1382
BC16795	735974,735976,736094	WMWGASAP_1382
BC16796	735974,735976,736094	WMWGASAP_1382
BC16797	735974,735976,736094	WMWGASAP_1382
BC16798	735974,735976,736094	WMWGASAP_1382

4. All of the above samples were 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) was analyzed, 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:

<u>Sample ID</u>	<u>Analyte</u>	<u>Dilution Factor</u>
BC16337	Chloride & Sulfate	2 & 5
BC16338	Chloride & Sulfate	2 & 5
BC16342	Sulfate	4
BC16343	Chloride & Sulfate	2 & 8
BC16344	Chloride & Sulfate	2 & 8
BC16345	Sulfate	6
BC16346	Chloride & Sulfate	4 & 10
BC16347	Chloride & Sulfate	3 & 10
BC16351	Chloride & Sulfate	2 & 32
BC16352	Sulfate	25
BC16353	Sulfate	32
BC16354	Sulfate	20
BC16355	Sulfate	20
BC16356	Chloride & Sulfate	25 & 25
BC16357	Chloride & Sulfate	25 & 25
BC16415	Chloride & Sulfate	10 & 16
BC16416	Chloride	4
BC16418	Chloride & Sulfate	2 & 8
BC16419	Chloride & Sulfate	3 & 10
BC16420	Chloride & Sulfate	10 & 16
BC16421	Chloride & Sulfate	10 & 25
BC16784	Sulfate	4
BC16785	Chloride & Sulfate	2 & 8
BC16786	Chloride & Sulfate	10 & 8
BC16787	Chloride	2
BC16789	Sulfate	25
BC16794	Chloride & Sulfate	8 & 2
BC16796	Sulfate	4

BC16797	Sulfate	5
BC16798	Sulfate	16

8. The raw data results are shown with dilution factors included.

Total Dissolved Solids

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735155	WMWGASAP_1382
BC16332	735155	WMWGASAP_1382
BC16333	735155	WMWGASAP_1382
BC16334	735155	WMWGASAP_1382
BC16335	735155	WMWGASAP_1382
BC16336	735156	WMWGASAP_1382
BC16337	735156	WMWGASAP_1382
BC16338	735156	WMWGASAP_1382
BC16339	735156	WMWGASAP_1382
BC16340	735156	WMWGASAP_1382
BC16341	735156	WMWGASAP_1382
BC16342	735156	WMWGASAP_1382
BC16343	735156	WMWGASAP_1382
BC16344	735156	WMWGASAP_1382
BC16345	735156	WMWGASAP_1382
BC16346	735228	WMWGASAP_1382
BC16347	735228	WMWGASAP_1382
BC16348	735228	WMWGASAP_1382
BC16349	735228	WMWGASAP_1382
BC16350	735228	WMWGASAP_1382
BC16351	735228	WMWGASAP_1382
BC16352	735228	WMWGASAP_1382
BC16353	735228	WMWGASAP_1382
BC16354	735228	WMWGASAP_1382
BC16355	735228	WMWGASAP_1382
BC16356	735229	WMWGASAP_1382
BC16357	735229	WMWGASAP_1382
BC16358	735229	WMWGASAP_1382
BC16359	735229	WMWGASAP_1382
BC16414	735229	WMWGASAP_1382
BC16415	735229	WMWGASAP_1382

BC16416	735229	WMWGASAP_1382
BC16417	735229	WMWGASAP_1382
BC16418	735229	WMWGASAP_1382
BC16419	735229	WMWGASAP_1382
BC16420	735299	WMWGASAP_1382
BC16421	735299	WMWGASAP_1382
BC16422	735299	WMWGASAP_1382
BC16423	735299	WMWGASAP_1382
BC16424	735299	WMWGASAP_1382
BC16784	735518	WMWGASAP_1382
BC16785	735518	WMWGASAP_1382
BC16786	735518	WMWGASAP_1382
BC16787	735518	WMWGASAP_1382
BC16788	735518	WMWGASAP_1382
BC16789	735519	WMWGASAP_1382
BC16790	735519	WMWGASAP_1382
BC16791	735519	WMWGASAP_1382
BC16792	735519	WMWGASAP_1382
BC16793	735519	WMWGASAP_1382
BC16794	735519	WMWGASAP_1382
BC16795	735519	WMWGASAP_1382
BC16796	735519	WMWGASAP_1382
BC16797	735519	WMWGASAP_1382
BC16798	735519	WMWGASAP_1382

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 $\leq 10\%$.
- 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 $< 2.5\text{mg}$ had the maximum volume of 150mL filtered. Affected samples are as follows:
 - BC16341
 - BC16348
 - BC16350
 - BC16414

Case Narrative

- BC16788
- BC16793

Alkalinity

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735834; 735835	WMWGASAP_1382
BC16332	735834; 735835	WMWGASAP_1382
BC16333	735834; 735835	WMWGASAP_1382
BC16334	735834; 735835	WMWGASAP_1382
BC16335	735834; 735835	WMWGASAP_1382
BC16336	735834; 735835	WMWGASAP_1382
BC16337	735834; 735835	WMWGASAP_1382
BC16338	735834; 735835	WMWGASAP_1382
BC16339	735834; 735835	WMWGASAP_1382
BC16340	735834; 735835	WMWGASAP_1382
BC16342	735834; 735835	WMWGASAP_1382
BC16343	735834; 735835	WMWGASAP_1382
BC16344	735834; 735835	WMWGASAP_1382
BC16345	735834; 735835	WMWGASAP_1382
BC16346	735834; 735835	WMWGASAP_1382
BC16347	735834; 735835	WMWGASAP_1382
BC16349	735834; 735835	WMWGASAP_1382
BC16351	735834; 735835	WMWGASAP_1382
BC16352	735834; 735835	WMWGASAP_1382
BC16353	735834; 735835	WMWGASAP_1382
BC16354	735988; 735989	WMWGASAP_1382
BC16355	735988; 735989	WMWGASAP_1382
BC16356	735988; 735989	WMWGASAP_1382
BC16357	735988; 735989	WMWGASAP_1382
BC16358	735988; 735989	WMWGASAP_1382
BC16359	735988; 735989	WMWGASAP_1382
BC16415	735988; 735989	WMWGASAP_1382
BC16416	735988; 735989	WMWGASAP_1382
BC16417	735988; 735989	WMWGASAP_1382
BC16418	735988; 735989	WMWGASAP_1382
BC16419	735988; 735989	WMWGASAP_1382

BC16420	735988; 735989	WMWGASAP_1382
BC16421	735988; 735989	WMWGASAP_1382
BC16422	735988; 735989	WMWGASAP_1382
BC16423	735988; 735989	WMWGASAP_1382
BC16424	735988; 735989	WMWGASAP_1382
BC16784	735988; 735989	WMWGASAP_1382
BC16785	735988; 735989	WMWGASAP_1382
BC16786	735988; 735989	WMWGASAP_1382
BC16787	735988; 735989	WMWGASAP_1382
BC16789	736543; 736544	WMWGASAP_1382
BC16790	736543; 736544	WMWGASAP_1382
BC16791	736543; 736544	WMWGASAP_1382
BC16792	736543; 736544	WMWGASAP_1382
BC16794	736543; 736544	WMWGASAP_1382
BC16795	736543; 736544	WMWGASAP_1382
BC16796	736543; 736544	WMWGASAP_1382
BC16797	736543; 736544	WMWGASAP_1382
BC16798	736543; 736544	WMWGASAP_1382

4. All of the above samples were prepared and analyzed 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:
 - BC16351
 - BC16352
 - BC16353
 - BC16354
 - BC16355
 - BC16356
 - BC16357

Case Narrative

- BC16415
- BC16420
- BC16421
- BC16786
- BC16789

Nitrate-Nitrite

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735234	WMWGASAP_1382
BC16332	735234	WMWGASAP_1382
BC16333	735234	WMWGASAP_1382
BC16334	735234	WMWGASAP_1382
BC16335	735234	WMWGASAP_1382
BC16336	735234	WMWGASAP_1382
BC16337	735234	WMWGASAP_1382
BC16338	735234	WMWGASAP_1382
BC16339	735234	WMWGASAP_1382
BC16340	735234	WMWGASAP_1382
BC16341	735235	WMWGASAP_1382
BC16342	735235	WMWGASAP_1382
BC16343	735235	WMWGASAP_1382
BC16344	735235	WMWGASAP_1382
BC16345	735235	WMWGASAP_1382
BC16346	735235	WMWGASAP_1382
BC16347	735235	WMWGASAP_1382
BC16348	735235	WMWGASAP_1382
BC16349	735235	WMWGASAP_1382
BC16350	735235	WMWGASAP_1382
BC16351	735236	WMWGASAP_1382
BC16352	735236	WMWGASAP_1382
BC16353	735236	WMWGASAP_1382
BC16354	735236	WMWGASAP_1382
BC16355	735236	WMWGASAP_1382
BC16356	735236	WMWGASAP_1382
BC16357	735236	WMWGASAP_1382
BC16358	735236	WMWGASAP_1382
BC16359	735236	WMWGASAP_1382
BC16414	736000	WMWGASAP_1382
BC16415	736000	WMWGASAP_1382

BC16416	736000	WMWGASAP_1382
BC16417	736000	WMWGASAP_1382
BC16418	736000	WMWGASAP_1382
BC16419	736000	WMWGASAP_1382
BC16420	736000	WMWGASAP_1382
BC16421	736000	WMWGASAP_1382
BC16422	736000	WMWGASAP_1382
BC16423	736000	WMWGASAP_1382
BC16424	736001	WMWGASAP_1382
BC16784	736001	WMWGASAP_1382
BC16785	736001	WMWGASAP_1382
BC16786	736001	WMWGASAP_1382
BC16787	736001	WMWGASAP_1382
BC16788	736001	WMWGASAP_1382
BC16789	736001	WMWGASAP_1382
BC16790	736001	WMWGASAP_1382
BC16791	736001	WMWGASAP_1382
BC16792	736001	WMWGASAP_1382
BC16793	736163	WMWGASAP_1382
BC16794	736163	WMWGASAP_1382
BC16795	736163	WMWGASAP_1382
BC16796	736163	WMWGASAP_1382
BC16797	736163	WMWGASAP_1382
BC16798	736163	WMWGASAP_1382

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.

Revision 5

Case Narrative

- 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.

Total Organic Carbon

Gaston Ash Pond

WMWGASAP_1382

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.

<u>Sample ID</u>	<u>Batch ID</u>	<u>Project ID</u>
BC16331	735449	WMWGASAP_1382
BC16332	735449	WMWGASAP_1382
BC16333	735449	WMWGASAP_1382
BC16334	735449	WMWGASAP_1382
BC16335	735449	WMWGASAP_1382
BC16336	735449	WMWGASAP_1382
BC16337	735449	WMWGASAP_1382
BC16338	735449	WMWGASAP_1382
BC16339	735449	WMWGASAP_1382
BC16340	735449	WMWGASAP_1382
BC16341	735450	WMWGASAP_1382
BC16342	735450	WMWGASAP_1382
BC16343	735450	WMWGASAP_1382
BC16344	735450	WMWGASAP_1382
BC16345	735450	WMWGASAP_1382
BC16346	735450	WMWGASAP_1382
BC16347	735450	WMWGASAP_1382
BC16348	735450	WMWGASAP_1382
BC16349	735450	WMWGASAP_1382
BC16350	735450	WMWGASAP_1382
BC16351	735451	WMWGASAP_1382
BC16352	735451	WMWGASAP_1382
BC16353	735451	WMWGASAP_1382
BC16354	735451	WMWGASAP_1382
BC16355	735451	WMWGASAP_1382
BC16356	735451	WMWGASAP_1382
BC16357	735451	WMWGASAP_1382
BC16358	735451	WMWGASAP_1382
BC16359	735451	WMWGASAP_1382
BC16414	735527	WMWGASAP_1382
BC16415	735527	WMWGASAP_1382

BC16416	735527	WMWGASAP_1382
BC16417	735527	WMWGASAP_1382
BC16418	735527	WMWGASAP_1382
BC16419	735527	WMWGASAP_1382
BC16420	735527	WMWGASAP_1382
BC16421	735527	WMWGASAP_1382
BC16422	735527	WMWGASAP_1382
BC16423	735527	WMWGASAP_1382
BC16424	735528	WMWGASAP_1382
BC16784	735528	WMWGASAP_1382
BC16785	735528	WMWGASAP_1382
BC16786	735528	WMWGASAP_1382
BC16787	735528	WMWGASAP_1382
BC16788	735528	WMWGASAP_1382
BC16789	735528	WMWGASAP_1382
BC16790	735528	WMWGASAP_1382
BC16791	735528	WMWGASAP_1382
BC16792	735528	WMWGASAP_1382
BC16793	735529	WMWGASAP_1382
BC16794	735529	WMWGASAP_1382
BC16795	735529	WMWGASAP_1382
BC16796	735529	WMWGASAP_1382
BC16797	735529	WMWGASAP_1382
BC16798	735529	WMWGASAP_1382

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 factor.
- 8. The raw data results are shown with dilution factors included.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38

Location Code: WMWGASAP
Collected: 8/29/22 12:05
Customer ID:
Submittal Date: 8/31/22 08:31

Laboratory ID Number: BC16331

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 11:38		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 11:38		1.015	23.1	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 11:38		1.015	0.0665	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 11:38		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:38		1.015	12.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:38		1	6.42	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:38		1.015	3.00	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:38		1.015	2.88	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	23.0	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	13.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:07		1	6.18	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	2.89	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:07		1.015	3.04	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.110	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.000109	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.00461	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.000511	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.0000999	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.00387	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:19		1.015	0.000130	mg/L	0.000102	0.000203	J
* Potassium, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.169505	0.5075	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38

Location Code: WMWGASAP
Collected: 8/29/22 12:05
Customer ID:
Submittal Date: 8/31/22 08:31

Laboratory ID Number: BC16331

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	0.0102	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	0.0000846	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	0.00379	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	0.000505	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	0.000106	mg/L	0.000102	0.000203	J
* Potassium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 09:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:15		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:48	9/1/22 09:48		1	0.676	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	102	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	98.0	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	100	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.79	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 16:07	9/7/22 16:07		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38

Location Code: WMWASAP
Collected: 8/29/22 12:05
Customer ID:
Submittal Date: 8/31/22 08:31

Laboratory ID Number: BC16331

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:10	9/7/22 08:10		1	4.26	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:02	9/7/22 11:02		1	0.0941	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:47	9/13/22 12:47		1	3.16	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 12:02	8/29/22 12:02			202.34	uS/cm			FA
pH	8/29/22 12:02	8/29/22 12:02			8.09	SU			FA
Temperature	8/29/22 12:02	8/29/22 12:02			19.37	C			FA
Turbidity	8/29/22 12:02	8/29/22 12:02			4.15	NTU			FA
Sulfide	8/29/22 12:02	8/29/22 12:02			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 12:05

Customer ID:

Delivery Date: 8/31/22 08:31

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC16331

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 12:05

Customer ID:

Delivery Date: 8/31/22 08:31

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC16331

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 12:05

Customer ID:

Delivery Date: 8/31/22 08:31

Description: Gaston Ash Pond - MW-38

Laboratory ID Number: BC16331

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16335	Solids, Dissolved	mg/L	1.00	25.0			74.0	50.0	40.0 to 60.0			2.67	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38 DUP

Location Code: WMWGASAP
Collected: 8/29/22 12:05
Customer ID:
Submittal Date: 8/31/22 08:31

Laboratory ID Number: BC16332

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 11:41		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 11:41		1.015	23.2	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 11:41		1.015	0.0674	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 11:41		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:41		1.015	13.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:41		1	6.46	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:41		1.015	3.02	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:41		1.015	2.89	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	22.6	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	12.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:10		1	6.08	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	2.84	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:10		1.015	3.00	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:22		1.015	0.118	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/1/22 06:44	9/1/22 10:22		1.015	0.00439	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:22		1.015	0.000611	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:22		1.015	0.0000927	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:22		1.015	0.00391	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:22		1.015	0.000156	mg/L	0.000102	0.000203	J
* Potassium, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.169505	0.5075	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38 DUP

Location Code: WMWGASAP

Collected: 8/29/22 12:05

Customer ID:

Submittal Date: 8/31/22 08:31

Laboratory ID Number: BC16332

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	0.00843	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	0.00397	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	0.000486	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	0.000150	mg/L	0.000102	0.000203	J
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:01		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:19		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:50	9/1/22 09:50		1	0.638	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	102	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	102	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	99.8	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	2.10	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 16:27	9/7/22 16:27		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-38 DUP

Location Code: WMWGASAP
Collected: 8/29/22 12:05
Customer ID:
Submittal Date: 8/31/22 08:31

Laboratory ID Number: BC16332

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:11	9/7/22 08:11		1	4.24	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:04	9/7/22 11:04		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:48	9/13/22 12:48		1	2.81	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 12:02	8/29/22 12:02			202.34	uS/cm			FA
pH	8/29/22 12:02	8/29/22 12:02			8.09	SU			FA
Temperature	8/29/22 12:02	8/29/22 12:02			19.37	C			FA
Turbidity	8/29/22 12:02	8/29/22 12:02			4.15	NTU			FA
Sulfide	8/29/22 12:02	8/29/22 12:02			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 12:05

Customer ID:

Delivery Date: 8/31/22 08:31

Description: Gaston Ash Pond - MW-38 DUP

Laboratory ID Number: BC16332

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 12:05

Customer ID:

Delivery Date: 8/31/22 08:31

Description: Gaston Ash Pond - MW-38 DUP

Laboratory ID Number: BC16332

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/29/22 12:05
Customer ID:
Delivery Date: 8/31/22 08:31

Description: Gaston Ash Pond - MW-38 DUP

Laboratory ID Number: BC16332

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16335	Solids, Dissolved	mg/L	1.00	25.0			74.0	50.0	40.0 to 60.0			2.67	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-41

Location Code: WMWGASAP
Collected: 8/29/22 13:12
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16333

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 11:44		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 11:44		1.015	30.8	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 11:44		1.015	0.0675	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 11:44		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:44		1.015	17.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:44		1	6.74	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:44		1.015	3.15	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:44		1.015	0.867	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	30.0	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	17.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:13		1	6.63	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	3.10	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:13		1.015	1.09	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:26		1.015	0.0785	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/1/22 06:44	9/1/22 10:26		1.015	0.0212	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:26		1.015	0.000279	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:26		1.015	0.00722	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/1/22 06:44	9/1/22 10:26		1.015	0.434	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-41

Location Code: WMWGASAP
Collected: 8/29/22 13:12
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16333

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	0.0206	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	0.000340	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	0.0000821	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	0.000159	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	0.407	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:22		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:51	9/1/22 09:51		1	0.364	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	141	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	133	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	139	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	2.07	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 16:47	9/7/22 16:47		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-41

Location Code: WMWGASAP
Collected: 8/29/22 13:12
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16333

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:12	9/7/22 08:12		1	2.15	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:05	9/7/22 11:05		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:49	9/13/22 12:49		1	2.24	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 13:08	8/29/22 13:08			256.86	uS/cm			FA
pH	8/29/22 13:08	8/29/22 13:08			7.57	SU			FA
Temperature	8/29/22 13:08	8/29/22 13:08			18.33	C			FA
Turbidity	8/29/22 13:08	8/29/22 13:08			2.54	NTU			FA
Sulfide	8/29/22 13:08	8/29/22 13:08			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 13:12

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC16333

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 13:12

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC16333

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 13:12

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-41

Laboratory ID Number: BC16333

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16335	Solids, Dissolved	mg/L	1.00	25.0			74.0	50.0	40.0 to 60.0			2.67	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-40

Location Code: WMWGASAP
Collected: 8/29/22 14:24
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16334

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 11:47		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 11:47		1.015	21.3	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 11:47		1.015	0.0441	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 11:47		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:47		1.015	12.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:47		1	7.68	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:47		1.015	3.59	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:47		1.015	1.04	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	20.5	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	12.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:16		1	7.62	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	3.56	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:16		1.015	1.27	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:30		1.015	0.0550	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 10:30		1.015	0.0000818	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 10:30		1.015	0.00619	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:30		1.015	0.000944	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:30		1.015	0.00543	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/1/22 06:44	9/1/22 10:30		1.015	0.252	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-40

Location Code: WMWGASAP

Collected: 8/29/22 14:24

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16334

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	0.00617	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	0.00635	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	0.000991	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	0.0000739	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	0.000152	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	0.235	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:08		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:26		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:53	9/1/22 09:53		1	0.592	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	100	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	94.7	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	98.5	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.43	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 17:10	9/7/22 17:10		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-40

Location Code: WMWGASAP
Collected: 8/29/22 14:24
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16334

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:13	9/7/22 08:13		1	1.74	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:06	9/7/22 11:06		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:50	9/13/22 12:50		1	Not Detected	mg/L	0.6	2	U
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 14:21	8/29/22 14:21			182.69	uS/cm			FA
pH	8/29/22 14:21	8/29/22 14:21			7.73	SU			FA
Temperature	8/29/22 14:21	8/29/22 14:21			19.22	C			FA
Turbidity	8/29/22 14:21	8/29/22 14:21			2.22	NTU			FA
Sulfide	8/29/22 14:21	8/29/22 14:21			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 14:24

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC16334

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 14:24

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC16334

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 14:24

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-40

Laboratory ID Number: BC16334

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16335	Solids, Dissolved	mg/L	1.00	25.0			74.0	50.0	40.0 to 60.0			2.67	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42

Location Code: WMWGASAP
Collected: 8/29/22 15:55
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16335

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 11:50		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 11:50		1.015	13.3	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 11:50		1.015	0.0258	mg/L	0.008120	0.0406	J
* Lithium, Total	9/1/22 06:44	9/1/22 11:50		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:50		1.015	8.32	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:50		1	7.34	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:50		1.015	3.43	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:50		1.015	3.69	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	13.2	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	8.33	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:19		1	7.30	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	3.41	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:19		1.015	4.00	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 10:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.0379	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.000163	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.0147	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:33		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.000563	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.000118	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 10:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.0283	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.000169	mg/L	0.000102	0.000203	J
* Potassium, Total	9/1/22 06:44	9/1/22 10:33		1.015	0.259	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42

Location Code: WMWGASAP
Collected: 8/29/22 15:55
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16335

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.0135	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.0000811	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.000601	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.0000799	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.0111	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.000159	mg/L	0.000102	0.000203	J
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	0.246	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:30		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:55	9/1/22 09:55		1	0.697	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	63.7	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	76.0	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	63.2	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 17:33	9/7/22 17:33		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-42

Location Code: WMWGASAP
Collected: 8/29/22 15:55
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16335

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:14	9/7/22 08:14		1	3.29	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:07	9/7/22 11:07		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:52	9/13/22 12:52		1	2.99	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 15:51	8/29/22 15:51			131.57	uS/cm			FA
pH	8/29/22 15:51	8/29/22 15:51			5.87	SU			FA
Temperature	8/29/22 15:51	8/29/22 15:51			19.57	C			FA
Turbidity	8/29/22 15:51	8/29/22 15:51			2.23	NTU			FA
Sulfide	8/29/22 15:51	8/29/22 15:51			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 15:55

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC16335

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 15:55

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC16335

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/29/22 15:55
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-42

Laboratory ID Number: BC16335

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16335	Solids, Dissolved	mg/L	1.00	25.0			74.0	50.0	40.0 to 60.0			2.67	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-39

Location Code: WMWGASAP
Collected: 8/29/22 16:54
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16336

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 11:54		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 11:54		1.015	36.4	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 11:54		1.015	0.349	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 11:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:54		1.015	6.72	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:54		1	11.6	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:54		1.015	5.41	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:54		1.015	4.79	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	36.2	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	0.348	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	6.87	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:23		1	11.7	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	5.48	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:23		1.015	4.85	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:37		1.015	0.00798	mg/L	0.006090	0.01015	J
* Arsenic, Total	9/1/22 06:44	9/1/22 10:37		1.015	0.000281	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 10:37		1.015	0.0302	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:37		1.015	0.0638	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:37		1.015	0.000816	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 10:37		1.015	0.422	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-39

Location Code: WMWGASAP
Collected: 8/29/22 16:54
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16336

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.000290	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.0305	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.000237	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.0000734	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.0621	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.000860	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	0.375	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:34		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:57	9/1/22 09:57		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	108	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	136	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	106	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.48	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 17:58	9/7/22 17:58		1	1.07	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-39

Location Code: WMWGASAP
Collected: 8/29/22 16:54
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16336

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:16	9/7/22 08:16		1	2.06	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:09	9/7/22 11:09		1	0.0988	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:53	9/13/22 12:53		1	12.4	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 16:51	8/29/22 16:51			228.07	uS/cm			FA
pH	8/29/22 16:51	8/29/22 16:51			7.09	SU			FA
Temperature	8/29/22 16:51	8/29/22 16:51			19.35	C			FA
Turbidity	8/29/22 16:51	8/29/22 16:51			0.09	NTU			FA
Sulfide	8/29/22 16:51	8/29/22 16:51			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 16:54

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC16336

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 16:54

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC16336

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/29/22 16:54
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-39

Laboratory ID Number: BC16336

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26

Location Code: WMWGASAP
Collected: 8/29/22 18:15
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16337

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 11:57		1.015	0.997	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:11		10.15	77.3	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 11:57		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 06:44	9/1/22 11:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 11:57		1.015	30.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 11:57		1	7.40	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 11:57		1.015	3.46	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 11:57		1.015	16.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:26		1.015	1.01	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:34		10.15	75.4	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:26		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:26		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:26		1.015	30.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:26		1	7.45	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:26		1.015	3.48	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:26		1.015	17.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 10:41		1.015	0.000112	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 10:41		1.015	0.0179	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:41		1.015	0.000296	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:41		1.015	0.000688	mg/L	0.000152	0.001015	J
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:41		1.015	0.00295	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 10:41		1.015	1.01	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26

Location Code: WMWGASAP
Collected: 8/29/22 18:15
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16337

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	0.0000984	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	0.0177	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	0.000418	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	0.00278	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	0.973	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:38		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 09:59	9/1/22 09:59		1	1.25	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	176	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	349	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	174	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.68	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 18:22	9/7/22 18:22		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26

Location Code: WMWGASAP
Collected: 8/29/22 18:15
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16337

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:24	9/7/22 08:24		2	19.8	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:10	9/7/22 11:10		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 13:01	9/13/22 13:01		5	88.4	mg/L	3.0	10	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 18:13	8/29/22 18:13			551.95	uS/cm			FA
pH	8/29/22 18:13	8/29/22 18:13			7.27	SU			FA
Temperature	8/29/22 18:13	8/29/22 18:13			18.92	C			FA
Turbidity	8/29/22 18:13	8/29/22 18:13			0.36	NTU			FA
Sulfide	8/29/22 18:13	8/29/22 18:13			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 18:15

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC16337

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 18:15

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC16337

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 18:15

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-26

Laboratory ID Number: BC16337

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26 DUP

Location Code: WMWGASAP
Collected: 8/29/22 18:15
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16338

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:00		1.015	1.00	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:14		10.15	75.7	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:00		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 06:44	9/1/22 12:00		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:00		1.015	30.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:00		1	7.43	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:00		1.015	3.47	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:00		1.015	17.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:29		1.015	1.03	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:37		10.15	75.3	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:29		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:29		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:29		1.015	30.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:29		1	7.53	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:29		1.015	3.52	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:29		1.015	17.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 10:44		1.015	0.000106	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 10:44		1.015	0.0177	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:44		1.015	0.000361	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 10:44		1.015	0.000630	mg/L	0.000152	0.001015	J
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:44		1.015	0.00298	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 10:44		1.015	0.985	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26 DUP

Location Code: WMWGASAP
Collected: 8/29/22 18:15
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16338

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	0.0000852	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	0.0181	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	0.000369	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	0.00278	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	0.938	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:42		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:01	9/1/22 10:01		1	1.30	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	174	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	350	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	172	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.86	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 18:47	9/7/22 18:47		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-26 DUP

Location Code: WMWGASAP
Collected: 8/29/22 18:15
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16338

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:25	9/7/22 08:25		2	20.0	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:11	9/7/22 11:11		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 13:03	9/13/22 13:03		5	86.9	mg/L	3.0	10	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/29/22 18:13	8/29/22 18:13			551.95	uS/cm			FA
pH	8/29/22 18:13	8/29/22 18:13			7.27	SU			FA
Temperature	8/29/22 18:13	8/29/22 18:13			18.92	C			FA
Turbidity	8/29/22 18:13	8/29/22 18:13			0.36	NTU			FA
Sulfide	8/29/22 18:13	8/29/22 18:13			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 18:15

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-26 DUP

Laboratory ID Number: BC16338

Sample	Analysis	Units	MB	MB		MS	MSD	Standard	Standard Limit	Rec		Prec Limit	
				Limit	Spike					Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 18:15

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-26 DUP

Laboratory ID Number: BC16338

Sample	Analysis	Units	MB				Standard		Rec		Prec	Limit	
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec			Limit
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/29/22 18:15
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-26 DUP

Laboratory ID Number: BC16338

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5

Location Code: WMWGASAP
Collected: 8/30/22 08:26
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16339

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:03		1.015	0.562	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:17		10.15	56.6	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:03		1.015	0.0722	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 12:03		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:03		1.015	22.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:03		1	8.17	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:03		1.015	3.82	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:03		1.015	8.39	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:32		1.015	0.571	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:40		10.15	57.7	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:32		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:32		1.015	22.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:32		1	7.94	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:32		1.015	3.71	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:32		1.015	8.35	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.108	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.000217	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.0234	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:48		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.000268	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.000112	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.000130	mg/L	0.000068	0.000203	J
* Manganese, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.00160	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:48		1.015	0.0384	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 10:48		1.015	2.08	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5

Location Code: WMWGASAP
Collected: 8/30/22 08:26
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16339

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	0.000117	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	0.0234	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	0.000313	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	0.000309	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	0.0402	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	1.97	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:46		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:03	9/1/22 10:03		1	0.964	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	175	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	237	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	173	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.49	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 19:10	9/7/22 19:10		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5

Location Code: WMWGASAP
Collected: 8/30/22 08:26
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16339

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:19	9/7/22 08:19		1	12.6	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:12	9/7/22 11:12		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:57	9/13/22 12:57		1	33.3	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 08:24	8/30/22 08:24			415.10	uS/cm			FA
pH	8/30/22 08:24	8/30/22 08:24			7.47	SU			FA
Temperature	8/30/22 08:24	8/30/22 08:24			20.69	C			FA
Turbidity	8/30/22 08:24	8/30/22 08:24			4.39	NTU			FA
Sulfide	8/30/22 08:24	8/30/22 08:24			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:26

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC16339

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:26

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC16339

Sample	Analysis	Units	MB					Standard		Rec			Prec Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:26

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-5

Laboratory ID Number: BC16339

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5 DUP

Location Code: WMWGASAP

Collected: 8/30/22 08:26

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16340

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:06		1.015	0.568	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:20		10.15	60.2	mg/L	0.70035	4.06	RA
* Iron, Total	9/1/22 06:44	9/1/22 12:06		1.015	0.0745	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 12:06		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:06		1.015	22.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:06		1	8.17	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:06		1.015	3.82	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:06		1.015	8.30	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:35		1.015	0.575	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:44		10.15	57.3	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:35		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:35		1.015	22.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:35		1	7.96	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:35		1.015	3.72	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:35		1.015	8.63	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 10:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.112	mg/L	0.006090	0.01015	R
* Arsenic, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.000187	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.0241	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 10:51		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 10:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.000322	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.000117	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.000138	mg/L	0.000068	0.000203	J
* Manganese, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.00178	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 10:51		1.015	0.0393	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 10:51		1.015	2.11	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5 DUP

Location Code: WMWGASAP

Collected: 8/30/22 08:26

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16340

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 10:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 10:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	0.000101	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	0.0231	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	0.000285	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	0.0000720	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	0.000431	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	0.0397	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	1.97	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: ELH							
* Mercury, Total by CVAA	9/2/22 12:30	9/2/22 17:50		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:04	9/1/22 10:04		1	0.948	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	178	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	239	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	176	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	2.03	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 19:31	9/7/22 19:31		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-5 DUP

Location Code: WMWGASAP
Collected: 8/30/22 08:26
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16340

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:20	9/7/22 08:20		1	12.6	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:13	9/7/22 11:13		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/13/22 12:58	9/13/22 12:58		1	33.1	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 08:24	8/30/22 08:24			415.10	uS/cm			FA
pH	8/30/22 08:24	8/30/22 08:24			7.47	SU			FA
Temperature	8/30/22 08:24	8/30/22 08:24			20.69	C			FA
Turbidity	8/30/22 08:24	8/30/22 08:24			4.39	NTU			FA
Sulfide	8/30/22 08:24	8/30/22 08:24			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:26

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-5 DUP

Laboratory ID Number: BC16340

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0980	0.0984	0.0959	0.0850 to 0.115	98.0	70.0 to 130	0.407	20.0
BC16340	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.264	0.218	0.0995	0.0850 to 0.115	152	70.0 to 130	19.1	20.0
BC16340	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0914	0.0921	0.0900	0.0850 to 0.115	91.4	70.0 to 130	0.763	20.0
BC16340	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.102	0.103	0.102	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.102	0.102	0.103	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0966	0.0979	0.104	0.0850 to 0.115	96.4	70.0 to 130	1.34	20.0
BC16340	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.126	0.126	0.103	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16340	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.126	0.126	0.104	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0997	0.0996	0.105	0.0850 to 0.115	99.7	70.0 to 130	0.100	20.0
BC16340	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0917	0.0942	0.0992	0.0850 to 0.115	91.7	70.0 to 130	2.69	20.0
BC16340	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	1.59	1.60	1.02	0.850 to 1.15	102	70.0 to 130	0.627	20.0
BC16340	Boron, Total	mg/L	-0.00134	0.0650	1.00	1.56	1.56	0.999	0.850 to 1.15	99.2	70.0 to 130	0.00	20.0
BC16340	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0985	0.102	0.0984	0.0850 to 0.115	98.5	70.0 to 130	3.49	20.0
BC16340	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.100	0.104	0.104	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16340	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	63.6	61.8	5.03	4.25 to 5.75	126	70.0 to 130	2.87	20.0
BC16340	Calcium, Total	mg/L	-0.0141	0.152	5.00	68.6	63.3	5.08	4.25 to 5.75	168	70.0 to 130	8.04	20.0
BC16340	Chloride	mg/L	0.180	1.00	10.0	23.1	23.3	9.19	9.00 to 11.0	105	80.0 to 120	0.862	20.0
BC16340	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0987	0.0994	0.0971	0.0850 to 0.115	98.4	70.0 to 130	0.707	20.0
BC16340	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.101	0.103	0.0850 to 0.115	99.7	70.0 to 130	0.995	20.0
BC16340	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0981	0.0970	0.0965	0.0850 to 0.115	98.1	70.0 to 130	1.13	20.0
BC16340	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.102	0.103	0.106	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16340	Fluoride	mg/L	-0.00964	0.125	2.50	2.73	2.68	2.64	2.25 to 2.75	109	80.0 to 120	1.85	20.0
BC16340	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.201	0.203	0.202	0.170 to 0.230	100	70.0 to 130	0.990	20.0
BC16340	Iron, Total	mg/L	0.000266	0.0176	0.2	0.273	0.272	0.199	0.170 to 0.230	99.2	70.0 to 130	0.367	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:26

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-5 DUP

Laboratory ID Number: BC16340

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16340	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.106	0.109	0.106	0.0850 to 0.115	106	70.0 to 130	2.79	20.0
BC16340	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.0997	0.101	0.0850 to 0.115	101	70.0 to 130	1.30	20.0
BC16340	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.217	0.220	0.204	0.170 to 0.230	108	70.0 to 130	1.37	20.0
BC16340	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.208	0.205	0.195	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16340	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	27.3	27.2	5.14	4.25 to 5.75	102	70.0 to 130	0.367	20.0
BC16340	Magnesium, Total	mg/L	0.0151	0.0462	5.00	27.1	26.8	5.05	4.25 to 5.75	98.0	70.0 to 130	1.11	20.0
BC16340	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.101	0.100	0.0850 to 0.115	99.6	70.0 to 130	0.995	20.0
BC16340	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.102	0.105	0.104	0.0850 to 0.115	100	70.0 to 130	2.90	20.0
BC16340	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.00401	0.0038	0.00401	0.00340 to 0.00460	100	70.0 to 130	5.38	20.0
BC16340	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.142	0.142	0.0975	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16340	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.134	0.137	0.101	0.0850 to 0.115	94.7	70.0 to 130	2.21	20.0
BC16340	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	11.6	11.7	9.76	8.50 to 11.5	96.3	70.0 to 130	0.858	20.0
BC16340	Potassium, Total	mg/L	0.0351	0.367	10.0	12.2	12.3	10.6	8.50 to 11.5	101	70.0 to 130	0.816	20.0
BC16340	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.103	0.102	0.103	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16340	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0999	0.100	0.107	0.0850 to 0.115	99.9	70.0 to 130	0.100	20.0
BC16340	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	4.72	4.73	1.02	0.850 to 1.15	100	70.0 to 130	0.212	20.0
BC16340	Silicon, Total	mg/L	0.000255	0.0440	1.00	4.94	4.96	1.01	0.850 to 1.15	112	70.0 to 130	0.404	20.0
BC16340	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	14.0	14.1	5.05	4.25 to 5.75	107	70.0 to 130	0.712	20.0
BC16340	Sodium, Total	mg/L	-0.000174	0.0660	5.00	13.5	13.4	4.94	4.25 to 5.75	104	70.0 to 130	0.743	20.0
BC16340	Sulfate	mg/L	0.499	2.0	20.0	50.4	51.9	19.2	18.0 to 22.0	86.5	80.0 to 120	2.93	20.0
BC16340	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.104	0.105	0.103	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16340	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.102	0.0995	0.101	0.0850 to 0.115	102	70.0 to 130	2.48	20.0
BC16340	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.5	10.2	9.79		105	80.0 to 120	2.90	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:26

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-5 DUP

Laboratory ID Number: BC16340

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16340	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.13	0.200	2.00	3.05	0.982	1.93	1.80 to 2.20	105	90.0 to 110	3.52	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-2

Location Code: WMWGASAPFB

Collected: 8/30/22 09:05

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16341

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:22		1	Not Detected	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 21:48		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	9/1/22 10:14	9/1/22 10:14		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-2

Location Code: WMWGASAPFB

Collected: 8/30/22 09:05

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16341

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 21:05	9/7/22 21:05		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:40	9/7/22 08:40		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:26	9/7/22 11:26		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:20	9/14/22 11:20		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/30/22 09:05

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond Field Blank-2

Laboratory ID Number: BC16341

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16350	Iron, Total	mg/L	0.000266	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
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/30/22 09:05

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond Field Blank-2

Laboratory ID Number: BC16341

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	Limit
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/30/22 09:05

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond Field Blank-2

Laboratory ID Number: BC16341

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-22

Location Code: WMWGASAP

Collected: 8/30/22 09:22

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16342

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:25		1.015	0.992	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:29		10.15	83.7	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:25		1.015	0.0199	mg/L	0.008120	0.0406	J
* Lithium, Total	9/1/22 06:44	9/1/22 12:25		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:25		1.015	24.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:25		1	6.42	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:25		1.015	3.00	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:25		1.015	11.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:51		1.015	1.01	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:53		10.15	72.6	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:51		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:51		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:51		1.015	25.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:51		1	6.53	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:51		1.015	3.05	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:51		1.015	12.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 11:17		1.015	0.000180	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 11:17		1.015	0.0284	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:17		1.015	0.000334	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:17		1.015	0.182	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:17		1.015	0.0418	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 11:17		1.015	2.27	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-22

Location Code: WMWGASAP

Collected: 8/30/22 09:22

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16342

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	0.0272	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	0.000217	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	0.0899	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	0.0411	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	2.09	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:51		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 21:52		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:15	9/1/22 10:15		1	0.308	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	183	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	296	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	181	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	2.19	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 21:29	9/7/22 21:29		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-22

Location Code: WMWASAP
Collected: 8/30/22 09:22
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16342

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:41	9/7/22 08:41		1	15.3	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:27	9/7/22 11:27		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:22	9/14/22 11:22		4	77.9	mg/L	2.4	8	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 09:17	8/30/22 09:17			512.70	uS/cm			FA
pH	8/30/22 09:17	8/30/22 09:17			7.17	SU			FA
Temperature	8/30/22 09:17	8/30/22 09:17			19.62	C			FA
Turbidity	8/30/22 09:17	8/30/22 09:17			0.24	NTU			FA
Sulfide	8/30/22 09:17	8/30/22 09:17			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 09:22

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC16342

Sample	Analysis	Units	MB				Standard			Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 09:22
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC16342

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 09:22

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-22

Laboratory ID Number: BC16342

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-21

Location Code: WMWGASAP
Collected: 8/30/22 10:05
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16343

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:28		1.015	1.48	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:33		10.15	85.6	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:28		1.015	0.508	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 12:28		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:28		1.015	26.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:28		1	6.08	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:28		1.015	2.84	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:28		1.015	18.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:54		1.015	1.51	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:56		10.15	81.3	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:54		1.015	0.490	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:54		1.015	27.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:54		1	6.18	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:54		1.015	2.89	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:54		1.015	19.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 11:21		1.015	0.00144	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 11:21		1.015	0.0425	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:21		1.015	0.00109	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:21		1.015	0.232	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:21		1.015	0.0101	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 11:21		1.015	2.47	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-21

Location Code: WMWGASAP
Collected: 8/30/22 10:05
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16343

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:21		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	0.00154	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	0.0394	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	0.000936	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	0.223	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	0.0104	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	2.35	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 21:56		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:17	9/1/22 10:17		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	149	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	390	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	148	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.24	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 21:50	9/7/22 21:50		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-21

Location Code: WMWGASAP
Collected: 8/30/22 10:05
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16343

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:54	9/7/22 08:54		2	28.1	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:28	9/7/22 11:28		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:23	9/14/22 11:23		8	129	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 10:02	8/30/22 10:02			593.97	uS/cm			FA
pH	8/30/22 10:02	8/30/22 10:02			7.45	SU			FA
Temperature	8/30/22 10:02	8/30/22 10:02			19.53	C			FA
Turbidity	8/30/22 10:02	8/30/22 10:02			0.53	NTU			FA
Sulfide	8/30/22 10:02	8/30/22 10:02			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 10:05
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC16343

Sample	Analysis	Units	MB	MB		Spike	MS	MSD	Standard		Rec		Prec
				Limit					Limit		Rec	Limit	
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:05

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC16343

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:05

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-21

Laboratory ID Number: BC16343

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-6

Location Code: WMWGASAP
Collected: 8/30/22 10:45
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16344

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:31		1.015	1.72	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:36		10.15	84.6	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:31		1.015	0.0531	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 12:31		1.015	0.00779	mg/L	0.007105	0.01999956	J
* Magnesium, Total	9/1/22 06:44	9/1/22 12:31		1.015	28.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:31		1	6.96	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:31		1.015	3.25	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:31		1.015	18.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 12:57		1.015	1.78	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 11:59		10.15	88.2	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 12:57		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 12:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 12:57		1.015	29.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 12:57		1	6.78	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 12:57		1.015	3.17	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 12:57		1.015	18.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:24		1.015	0.0384	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 11:24		1.015	0.000172	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 11:24		1.015	0.0219	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:24		1.015	0.0112	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:24		1.015	0.00761	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 11:24		1.015	2.15	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-6

Location Code: WMWGASAP

Collected: 8/30/22 10:45

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16344

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:24		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	0.000108	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	0.0217	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	0.00398	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	0.00776	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	2.23	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 10:58		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:00		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:19	9/1/22 10:19		1	0.932	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	161	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	400	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	160	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.37	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 22:11	9/7/22 22:11		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-6

Location Code: WMWGASAP
Collected: 8/30/22 10:45
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16344

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:56	9/7/22 08:56		2	23.9	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:29	9/7/22 11:29		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:24	9/14/22 11:24		8	123	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 10:43	8/30/22 10:43			595.15	uS/cm			FA
pH	8/30/22 10:43	8/30/22 10:43			7.60	SU			FA
Temperature	8/30/22 10:43	8/30/22 10:43			19.77	C			FA
Turbidity	8/30/22 10:43	8/30/22 10:43			1.69	NTU			FA
Sulfide	8/30/22 10:43	8/30/22 10:43			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:45

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC16344

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:45

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC16344

Sample	Analysis	Units	MB				Standard			Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 10:45
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-6

Laboratory ID Number: BC16344

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-7

Location Code: WMWGASAP
Collected: 8/30/22 11:35
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16345

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Total	9/1/22 06:44	9/1/22 12:35		1.015	1.26	mg/L	0.030000	0.1015		
* Calcium, Total	9/1/22 06:44	9/2/22 12:39		10.15	81.2	mg/L	0.70035	4.06		
* Iron, Total	9/1/22 06:44	9/1/22 12:35		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	9/1/22 06:44	9/1/22 12:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	9/1/22 06:44	9/1/22 12:35		1.015	21.8	mg/L	0.021315	0.406		
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:35		1	6.68	mg/L				
Silicon, Total	9/1/22 06:44	9/1/22 12:35		1.015	3.12	mg/L	0.02030	0.25375		
* Sodium, Total	9/1/22 06:44	9/1/22 12:35		1.015	9.46	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:00		1.015	1.29	mg/L	0.030000	0.1015		
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:03		10.15	79.8	mg/L	0.70035	4.06		
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:00		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:00		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:00		1.015	22.3	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:00		1	6.74	mg/L				
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:00		1.015	3.15	mg/L	0.02030	0.25375		
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:00		1.015	10.3	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	9/1/22 06:44	9/1/22 11:28		1.015	0.000101	mg/L	0.000081	0.000203	J	
* Barium, Total	9/1/22 06:44	9/1/22 11:28		1.015	0.0188	mg/L	0.000508	0.001015		
* Beryllium, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000203	0.001015	U	
* Cobalt, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	9/1/22 06:44	9/1/22 11:28		1.015	0.000522	mg/L	0.000152	0.001015	J	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:28		1.015	0.000281	mg/L	0.000102	0.000203		
* Potassium, Total	9/1/22 06:44	9/1/22 11:28		1.015	3.10	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-7

Location Code: WMWGASAP
Collected: 8/30/22 11:35
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16345

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:28		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	0.0000980	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	0.0189	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	0.000281	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	0.0000836	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	0.000440	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	0.000222	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	2.98	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:04		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:21	9/1/22 10:21		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	150	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	8/31/22 11:58	9/1/22 13:20		1	319	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	148	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.46	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 22:34	9/7/22 22:34		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-7

Location Code: WMWGASAP
Collected: 8/30/22 11:35
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16345

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:45	9/7/22 08:45		1	12.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:31	9/7/22 11:31		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:25	9/14/22 11:25		6	212	mg/L	3.6	12	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 11:33	8/30/22 11:33			500.54	uS/cm			FA
pH	8/30/22 11:33	8/30/22 11:33			7.57	SU			FA
Temperature	8/30/22 11:33	8/30/22 11:33			19.82	C			FA
Turbidity	8/30/22 11:33	8/30/22 11:33			0.38	NTU			FA
Sulfide	8/30/22 11:33	8/30/22 11:33			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 11:35

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC16345

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 11:35

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC16345

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 11:35
Customer ID:
Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-7

Laboratory ID Number: BC16345

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16345	Solids, Dissolved	mg/L	1.00	25.0			325	50.0	40.0 to 60.0			1.86	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16

Location Code: WMWGASAP
Collected: 8/30/22 12:45
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16346

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:38		1.015	1.42	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:48		10.15	111	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:38		1.015	0.107	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 12:38		1.015	0.143	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/1/22 12:38		1.015	9.12	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:38		1	5.03	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:38		1.015	2.35	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:38		1.015	23.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:04		1.015	1.45	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:06		10.15	98.9	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:04		1.015	0.0741	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:04		1.015	0.153	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:04		1.015	9.13	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:04		1	5.01	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:04		1.015	2.34	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:04		1.015	24.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:31		1.015	0.0491	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 11:31		1.015	0.00556	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 11:31		1.015	0.0678	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:31		1.015	0.000978	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:31		1.015	0.557	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:31		1.015	0.529	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 11:31		1.015	16.0	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16

Location Code: WMWGASAP
Collected: 8/30/22 12:45
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16346

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:31		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.00661	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.00563	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.0694	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.000242	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.000863	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.582	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	0.556	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	15.3	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:05		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:08		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:23	9/1/22 10:23		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	29.6	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	425	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	29.4	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 22:55	9/7/22 22:55		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16

Location Code: WMWGASAP
Collected: 8/30/22 12:45
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16346

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:57	9/7/22 08:57		4	56.6	mg/L	2.00	4	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:32	9/7/22 11:32		1	0.114	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:27	9/14/22 11:27		10	190	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 12:44	8/30/22 12:44			631.66	uS/cm			FA
pH	8/30/22 12:44	8/30/22 12:44			7.84	SU			FA
Temperature	8/30/22 12:44	8/30/22 12:44			21.14	C			FA
Turbidity	8/30/22 12:44	8/30/22 12:44			1.73	NTU			FA
Sulfide	8/30/22 12:44	8/30/22 12:44			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:45

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC16346

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:45

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC16346

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:45

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-16

Laboratory ID Number: BC16346

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16V

Location Code: WMWGASAP

Collected: 8/30/22 13:43

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16347

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:41		1.015	1.38	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:52		10.15	65.5	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 12:41		1.015	0.0328	mg/L	0.008120	0.0406	J
* Lithium, Total	9/1/22 06:44	9/1/22 12:41		1.015	0.331	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/1/22 12:41		1.015	14.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:41		1	3.77	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:41		1.015	1.76	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:41		1.015	23.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:07		1.015	1.40	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:09		10.15	52.7	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:07		1.015	0.0163	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:07		1.015	0.350	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:07		1.015	14.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:07		1	3.79	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:07		1.015	1.77	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:07		1.015	24.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 11:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.0192	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.000994	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.0630	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 11:35		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.000798	mg/L	0.000068	0.000203	J
* Chromium, Total	9/1/22 06:44	9/1/22 11:35		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.00108	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 11:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.0150	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.686	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 11:35		1.015	18.5	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16V

Location Code: WMWGASAP
Collected: 8/30/22 13:43
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16347

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:35		1.015	0.000625	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.000938	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.0629	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.000913	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.0000763	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.0144	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.686	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	17.5	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:09		1.015	0.000482	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:12		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:25	9/1/22 10:25		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	35.7	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	343	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	35.4	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	Not Detected	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 23:16	9/7/22 23:16		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-16V

Location Code: WMWGASAP
Collected: 8/30/22 13:43
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16347

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:58	9/7/22 08:58		3	31.8	mg/L	1.50	3	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:33	9/7/22 11:33		1	0.0733	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:28	9/14/22 11:28		10	157	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 13:40	8/30/22 13:40			513.25	uS/cm			FA
pH	8/30/22 13:40	8/30/22 13:40			8.94	SU			FA
Temperature	8/30/22 13:40	8/30/22 13:40			21.48	C			FA
Turbidity	8/30/22 13:40	8/30/22 13:40			0.74	NTU			FA
Sulfide	8/30/22 13:40	8/30/22 13:40			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 13:43

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC16347

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 13:43

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC16347

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 13:43

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-16V

Laboratory ID Number: BC16347

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-3

Location Code: WMWGASAPFB
Collected: 8/30/22 14:41
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16348

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:44		1	Not Detected	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:16		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	9/1/22 10:27	9/1/22 10:27		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-3

Location Code: WMWGASAPFB

Collected: 8/30/22 14:41

Customer ID:

Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16348

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 23:35	9/7/22 23:35		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:48	9/7/22 08:48		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:34	9/7/22 11:34		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:29	9/14/22 11:29		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/30/22 14:41

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond Field Blank-3

Laboratory ID Number: BC16348

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16350	Iron, Total	mg/L	0.000266	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
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/30/22 14:41

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond Field Blank-3

Laboratory ID Number: BC16348

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	Limit
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/30/22 14:41

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond Field Blank-3

Laboratory ID Number: BC16348

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-3

Location Code: WMWGASAP
Collected: 8/30/22 16:00
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16349

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 12:47		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 12:47		1.015	30.6	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 06:44	9/1/22 12:47		1.015	0.0642	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 12:47		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:47		1.015	17.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:47		1	8.39	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:47		1.015	3.92	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 12:47		1.015	1.73	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	30.4	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	16.8	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:10		1	7.77	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	3.63	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:10		1.015	1.94	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 11:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.211	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.000630	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.0177	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 11:42		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.000458	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.000184	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.000615	mg/L	0.000068	0.000203	
* Manganese, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.0536	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.00435	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.303	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-3

Location Code: WMWGASAP
Collected: 8/30/22 16:00
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16349

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 11:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:42		1.015	0.000709	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.000510	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.0151	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.000347	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.000127	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.000395	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.00472	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.232	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:12		1.015	0.000388	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:20		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/1/22 10:28	9/1/22 10:28		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	141	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	151	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	139	mg/L			
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	1.69	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/7/22 23:51	9/7/22 23:51		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-3

Location Code: WMWGASAP
Collected: 8/30/22 16:00
Customer ID:
Submittal Date: 8/31/22 08:32

Laboratory ID Number: BC16349

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:50	9/7/22 08:50		1	1.64	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:35	9/7/22 11:35		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:19	9/14/22 11:19		1	2.73	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/30/22 15:59	8/30/22 15:59			254.66	uS/cm			FA
pH	8/30/22 15:59	8/30/22 15:59			9.22	SU			FA
Temperature	8/30/22 15:59	8/30/22 15:59			19.90	C			FA
Turbidity	8/30/22 15:59	8/30/22 15:59			8.62	NTU			FA
Sulfide	8/30/22 15:59	8/30/22 15:59			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 16:00

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC16349

Sample	Analysis	Units	MB	MB		MS	MSD	Standard		Rec		Prec	Limit
				Limit	Spike			Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16350	Iron, Total	mg/L	0.000266	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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 16:00

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC16349

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 16:00

Customer ID:

Delivery Date: 8/31/22 08:32

Description: Gaston Ash Pond - MW-3

Laboratory ID Number: BC16349

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-1

Location Code: WMWGASAPFB

Collected: 8/29/22 15:30

Customer ID:

Submittal Date: 8/31/22 08:33

Laboratory ID Number: BC16350

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	9/1/22 06:44	9/1/22 12:51		1	Not Detected	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	9/1/22 06:44	9/1/22 12:51		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 11:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:24		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	9/1/22 10:30	9/1/22 10:30		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-1

Location Code: WMWGASAPFB
Collected: 8/29/22 15:30
Customer ID:
Submittal Date: 8/31/22 08:33

Laboratory ID Number: BC16350

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 00:08	9/8/22 00:08		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 08:51	9/7/22 08:51		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:37	9/7/22 11:37		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:30	9/14/22 11:30		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/29/22 15:30

Customer ID:

Delivery Date: 8/31/22 08:33

Description: Gaston Ash Pond Field Blank-1

Laboratory ID Number: BC16350

Sample	Analysis	Units	MB				Standard		Rec			Prec Limit	
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		Prec
BC16350	Aluminum, Total	mg/L	-0.00164	0.010	0.100	0.0977	0.103	0.0995	0.0850 to 0.115	97.7	70.0 to 130	5.28	20.0
BC16350	Antimony, Total	mg/L	0.000136	0.00100	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16350	Arsenic, Total	mg/L	0.0000087	0.000176	0.100	0.0974	0.100	0.104	0.0850 to 0.115	97.4	70.0 to 130	2.63	20.0
BC16350	Barium, Total	mg/L	-0.0000283	0.00100	0.100	0.108	0.106	0.104	0.0850 to 0.115	108	70.0 to 130	1.87	20.0
BC16350	Beryllium, Total	mg/L	0.0000261	0.000880	0.100	0.0932	0.0934	0.0992	0.0850 to 0.115	93.2	70.0 to 130	0.214	20.0
BC16350	Boron, Total	mg/L	-0.00134	0.0650	1.00	0.982	0.980	0.999	0.850 to 1.15	98.2	70.0 to 130	0.204	20.0
BC16350	Cadmium, Total	mg/L	0.0000056	0.000147	0.100	0.104	0.102	0.104	0.0850 to 0.115	104	70.0 to 130	1.94	20.0
BC16350	Calcium, Total	mg/L	-0.0141	0.152	5.00	4.94	4.94	5.08	4.25 to 5.75	98.8	70.0 to 130	0.00	20.0
BC16350	Chloride	mg/L	0.175	1.00	10.0	9.49	9.25	9.16	9.00 to 11.0	94.9	80.0 to 120	2.56	20.0
BC16350	Chromium, Total	mg/L	-0.0000463	0.000440	0.100	0.100	0.104	0.103	0.0850 to 0.115	100	70.0 to 130	3.92	20.0
BC16350	Cobalt, Total	mg/L	-0.0000146	0.000147	0.100	0.104	0.107	0.106	0.0850 to 0.115	104	70.0 to 130	2.84	20.0
BC16350	Fluoride	mg/L	-0.0246	0.125	2.50	2.62	2.63	2.61	2.25 to 2.75	105	80.0 to 120	0.381	20.0
BC16350	Iron, Total	mg/L	0.000266	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
BC16350	Lead, Total	mg/L	0.0000017	0.000147	0.100	0.101	0.102	0.101	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16350	Lithium, Total	mg/L	0.000158	0.0154	0.200	0.201	0.201	0.195	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16350	Magnesium, Total	mg/L	0.0151	0.0462	5.00	4.98	5.04	5.05	4.25 to 5.75	99.6	70.0 to 130	1.20	20.0
BC16350	Manganese, Total	mg/L	-0.0000043	0.00033	0.100	0.101	0.105	0.104	0.0850 to 0.115	101	70.0 to 130	3.88	20.0
BC16350	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00403	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.495	20.0
BC16350	Molybdenum, Total	mg/L	0.0000102	0.0002	0.100	0.0985	0.0992	0.101	0.0850 to 0.115	98.5	70.0 to 130	0.708	20.0
BC16350	Potassium, Total	mg/L	0.0351	0.367	10.0	10.1	10.4	10.6	8.50 to 11.5	101	70.0 to 130	2.93	20.0
BC16350	Selenium, Total	mg/L	0.000009	0.00100	0.100	0.0992	0.0992	0.107	0.0850 to 0.115	99.2	70.0 to 130	0.00	20.0
BC16350	Silicon, Total	mg/L	0.000255	0.0440	1.00	0.996	0.995	1.01	0.850 to 1.15	99.6	70.0 to 130	0.100	20.0
BC16350	Sodium, Total	mg/L	-0.000174	0.0660	5.00	5.02	5.05	4.94	4.25 to 5.75	100	70.0 to 130	0.596	20.0
BC16350	Sulfate	mg/L	0.0452	2.0	20.0	20.3	19.8	19.4	18.0 to 22.0	102	80.0 to 120	2.49	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/29/22 15:30

Customer ID:

Delivery Date: 8/31/22 08:33

Description: Gaston Ash Pond Field Blank-1

Laboratory ID Number: BC16350

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	Limit
BC16350	Thallium, Total	mg/L	-0.0000014	0.000147	0.100	0.101	0.103	0.101	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16350	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.3	9.80		103	80.0 to 120	0.00	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/29/22 15:30

Customer ID:

Delivery Date: 8/31/22 08:33

Description: Gaston Ash Pond Field Blank-1

Laboratory ID Number: BC16350

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16350	Nitrogen, Nitrate/Nitrite	mg/L as N	-0.14	0.200	2.00	2.11	0.010	1.90	1.80 to 2.20	106	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V

Location Code: WMWGASAP
Collected: 8/29/22 16:08
Customer ID:
Submittal Date: 8/31/22 08:33

Laboratory ID Number: BC16351

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 13:13		1.015	2.98	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:55		10.15	171	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 13:13		1.015	1.21	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 13:13		1.015	0.0427	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/2/22 12:55		10.15	91.9	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:13		1	9.52	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:13		1.015	4.45	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:13		1.015	18.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:13		1.015	3.06	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:18		10.15	154	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:13		1.015	0.304	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:13		1.015	0.0463	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/8/22 12:18		10.15	81.9	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:13		1	7.60	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:13		1.015	3.55	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:13		1.015	20.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 12:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.708	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.00278	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.0342	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:15		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.00173	mg/L	0.000203	0.001015	
* Cobalt, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.000285	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.000847	mg/L	0.000068	0.000203	
* Manganese, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.0185	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.340	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:15		1.015	0.476	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V

Location Code: WMWGASAP

Collected: 8/29/22 16:08

Customer ID:

Submittal Date: 8/31/22 08:33

Laboratory ID Number: BC16351

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:15		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:15		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	0.00191	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	0.0314	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	0.000233	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	0.0148	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	0.368	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	0.307	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:16		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:43		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:24	9/12/22 14:24		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	65.9	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	878	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	65.3	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	0.60	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 01:43	9/8/22 01:43		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20V

Location Code: WMWGASAP

Collected: 8/29/22 16:08

Customer ID:

Submittal Date: 8/31/22 08:33

Laboratory ID Number: BC16351

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:22	9/7/22 09:22		2	19.3	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:49	9/7/22 11:49		1	0.0767	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:59	9/14/22 11:59		32	495	mg/L	19.2	64	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/29/22 16:05	8/29/22 16:05			1062.41	uS/cm			FA
pH	8/29/22 16:05	8/29/22 16:05			8.08	SU			FA
Temperature	8/29/22 16:05	8/29/22 16:05			20.97	C			FA
Turbidity	8/29/22 16:05	8/29/22 16:05			9.72	NTU			FA
Sulfide	8/29/22 16:05	8/29/22 16:05			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 16:08

Customer ID:

Delivery Date: 8/31/22 08:33

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC16351

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/29/22 16:08

Customer ID:

Delivery Date: 8/31/22 08:33

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC16351

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/29/22 16:08
Customer ID:
Delivery Date: 8/31/22 08:33

Description: Gaston Ash Pond - MW-20V

Laboratory ID Number: BC16351

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV

Location Code: WMWGASAP
Collected: 8/30/22 08:32
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16352

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 13:16		1.015	2.81	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 12:58		10.15	166	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/2/22 12:58		10.15	11.3	mg/L	0.08120	0.406	
* Lithium, Total	9/1/22 06:44	9/1/22 13:16		1.015	0.00770	mg/L	0.007105	0.01999956	J
* Magnesium, Total	9/1/22 06:44	9/2/22 12:58		10.15	61.9	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:16		1	15.6	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:16		1.015	7.28	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:16		1.015	15.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:16		1.015	2.89	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:22		10.15	150	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/8/22 12:22		10.15	9.62	mg/L	0.08120	0.406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:16		1.015	0.00837	mg/L	0.007105	0.01999956	J
* Magnesium, Dissolved	9/1/22 08:37	9/8/22 12:22		10.15	56.3	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:16		1	15.8	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:16		1.015	7.40	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:16		1.015	16.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.0120	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.00234	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.126	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.000548	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.170	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.177	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:19		1.015	0.766	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV

Location Code: WMWGASAP
Collected: 8/30/22 08:32
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16352

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.00216	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.122	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.000450	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.000444	mg/L	0.000068	0.000203	
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.172	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.179	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	0.723	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:19		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:47		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:26	9/12/22 14:26		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	96.2	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	758	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	95.6	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	0.61	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 02:04	9/8/22 02:04		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20SV

Location Code: WMWGASAP
Collected: 8/30/22 08:32
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16352

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:09	9/7/22 09:09		1	16.8	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:50	9/7/22 11:50		1	0.0779	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:00	9/14/22 12:00		25	400	mg/L	15.0	50	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 08:29	8/30/22 08:29			972.33	uS/cm			FA
pH	8/30/22 08:29	8/30/22 08:29			6.70	SU			FA
Temperature	8/30/22 08:29	8/30/22 08:29			20.31	C			FA
Turbidity	8/30/22 08:29	8/30/22 08:29			4.66	NTU			FA
Sulfide	8/30/22 08:29	8/30/22 08:29			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:32

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC16352

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 08:32

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC16352

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 08:32
Customer ID:
Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-20SV

Laboratory ID Number: BC16352

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20

Location Code: WMWGASAP
Collected: 8/30/22 09:29
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16353

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 13:19		1.015	4.33	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 13:01		10.15	214	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 13:19		1.015	0.0137	mg/L	0.008120	0.0406	J
* Lithium, Total	9/1/22 06:44	9/1/22 13:19		1.015	0.117	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/2/22 13:01		10.15	67.7	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:19		1	5.84	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:19		1.015	2.73	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:19		1.015	26.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:19		1.015	4.45	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:25		10.15	175	mg/L	0.70035	4.06	RA
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:19		1.015	0.0130	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:19		1.015	0.126	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/8/22 12:25		10.15	57.6	mg/L	0.21315	4.06	RA
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:19		1	5.97	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:19		1.015	2.79	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:19		1.015	28.0	mg/L	0.03045	0.406	RA
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 12:22		1.015	0.00359	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:22		1.015	0.0537	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:22		1.015	0.000104	mg/L	0.000068	0.000203	J
* Chromium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:22		1.015	0.00291	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:22		1.015	0.785	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:22		1.015	9.49	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20

Location Code: WMWGASAP
Collected: 8/30/22 09:29
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16353

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:22		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	0.00376	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	0.0575	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	0.0000883	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	0.000375	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	0.00284	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	0.831	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	8.33	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:51		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:28	9/12/22 14:28		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/7/22 11:15	9/7/22 15:25		1	53.0	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	930	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	52.5	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/7/22 11:15	9/7/22 15:25		1	Not Detected	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 02:26	9/8/22 02:26		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-20

Location Code: WMWGASAP
Collected: 8/30/22 09:29
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16353

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:10	9/7/22 09:10		1	19.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:51	9/7/22 11:51		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:01	9/14/22 12:01		32	538	mg/L	19.2	64	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 09:26	8/30/22 09:26			1156.89	uS/cm			FA
pH	8/30/22 09:26	8/30/22 09:26			7.73	SU			FA
Temperature	8/30/22 09:26	8/30/22 09:26			20.97	C			FA
Turbidity	8/30/22 09:26	8/30/22 09:26			0.5	NTU			FA
Sulfide	8/30/22 09:26	8/30/22 09:26			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 09:29

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC16353

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16353	Aluminum, Dissolved	mg/L	-0.00285	0.010	0.100	0.0944	0.0980	0.0959	0.0850 to 0.115	94.4	70.0 to 130	3.74	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16353	Antimony, Dissolved	mg/L	0.000698	0.00100	0.100	0.0992	0.0987	0.0900	0.0850 to 0.115	99.2	70.0 to 130	0.505	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16353	Arsenic, Dissolved	mg/L	-0.0000115	0.000176	0.100	0.105	0.106	0.103	0.0850 to 0.115	101	70.0 to 130	0.948	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16353	Barium, Dissolved	mg/L	-0.0000186	0.00100	0.100	0.159	0.158	0.103	0.0850 to 0.115	102	70.0 to 130	0.631	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16353	Beryllium, Dissolved	mg/L	0.0000074	0.000880	0.100	0.0915	0.0944	0.105	0.0850 to 0.115	91.5	70.0 to 130	3.12	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16353	Boron, Dissolved	mg/L	-0.00190	0.0650	1.00	5.45	5.52	1.02	0.850 to 1.15	100	70.0 to 130	1.28	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16353	Cadmium, Dissolved	mg/L	0.0000085	0.000147	0.100	0.0990	0.100	0.0984	0.0850 to 0.115	98.9	70.0 to 130	1.01	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16353	Calcium, Dissolved	mg/L	-0.00229	0.152	5.00	191	196	5.03	4.25 to 5.75	320	70.0 to 130	2.58	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16353	Chromium, Dissolved	mg/L	0.0000392	0.000440	0.100	0.0951	0.0987	0.0971	0.0850 to 0.115	94.7	70.0 to 130	3.72	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16353	Cobalt, Dissolved	mg/L	-0.0000811	0.000147	0.100	0.0958	0.0980	0.0965	0.0850 to 0.115	95.8	70.0 to 130	2.27	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16353	Iron, Dissolved	mg/L	-0.000163	0.0176	0.2	0.215	0.216	0.202	0.170 to 0.230	101	70.0 to 130	0.464	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 09:29

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC16353

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16353	Lead, Dissolved	mg/L	0.0000060	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16353	Lithium, Dissolved	mg/L	0.000392	0.0154	0.200	0.351	0.356	0.204	0.170 to 0.230	112	70.0 to 130	1.41	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16353	Magnesium, Dissolved	mg/L	0.00577	0.0462	5.00	65.6	67.0	5.14	4.25 to 5.75	160	70.0 to 130	2.11	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16353	Manganese, Dissolved	mg/L	0.0000088	0.00033	0.100	0.100	0.104	0.100	0.0850 to 0.115	97.2	70.0 to 130	3.92	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16353	Molybdenum, Dissolved	mg/L	0.0000022	0.0002	0.100	0.916	0.922	0.0975	0.0850 to 0.115	85.0	70.0 to 130	0.653	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16353	Potassium, Dissolved	mg/L	0.00931	0.367	10.0	17.5	18.0	9.76	8.50 to 11.5	91.7	70.0 to 130	2.82	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16353	Selenium, Dissolved	mg/L	0.0000582	0.00100	0.100	0.0975	0.102	0.103	0.0850 to 0.115	97.5	70.0 to 130	4.51	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16353	Silicon, Dissolved	mg/L	0.000844	0.0440	1.00	3.80	3.79	1.02	0.850 to 1.15	101	70.0 to 130	0.264	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16353	Sodium, Dissolved	mg/L	0.00114	0.0660	5.00	33.9	34.6	5.05	4.25 to 5.75	118	70.0 to 130	2.04	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16353	Thallium, Dissolved	mg/L	-0.0000977	0.000147	0.100	0.102	0.106	0.103	0.0850 to 0.115	102	70.0 to 130	3.85	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 09:29
Customer ID:
Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-20

Laboratory ID Number: BC16353

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16353	Alkalinity to pH 4.5	mg CaCO3/L					53.4	50.5	45.0 to 55.0			0.752	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18

Location Code: WMWGASAP
Collected: 8/30/22 10:38
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16354

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 13:22		1.015	1.72	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 13:04		10.15	155	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 13:22		1.015	0.320	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 13:22		1.015	0.0456	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/2/22 13:04		10.15	58.6	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:22		1	8.92	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:22		1.015	4.17	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:22		1.015	11.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:42		1.015	1.77	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:34		10.15	143	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:42		1.015	0.300	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:42		1.015	0.0505	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/8/22 12:34		10.15	55.8	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:42		1	9.05	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:42		1.015	4.23	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:42		1.015	12.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 12:26		1.015	0.00265	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:26		1.015	0.0573	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 12:26		1.015	0.00194	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:26		1.015	0.823	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:26		1.015	0.0690	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:26		1.015	3.36	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18

Location Code: WMWGASAP
Collected: 8/30/22 10:38
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16354

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:26		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:26		1.015	0.000487	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.00241	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.0561	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.000222	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.00183	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.847	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.0750	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	3.25	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:52		1.015	0.000375	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:55		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:29	9/12/22 14:29		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	280	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	614	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	280	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	Not Detected	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 02:51	9/8/22 02:51		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18

Location Code: WMWGASAP
Collected: 8/30/22 10:38
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16354

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:11	9/7/22 09:11		1	13.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:53	9/7/22 11:53		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:03	9/14/22 12:03		20	203	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 10:35	8/30/22 10:35			897.24	uS/cm			FA
pH	8/30/22 10:35	8/30/22 10:35			6.65	SU			FA
Temperature	8/30/22 10:35	8/30/22 10:35			20.09	C			FA
Turbidity	8/30/22 10:35	8/30/22 10:35			1.58	NTU			FA
Sulfide	8/30/22 10:35	8/30/22 10:35			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:38

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC16354

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Aluminum, Dissolved	mg/L	-0.00303	0.010	0.100	0.0979	0.0974	0.0969	0.0850 to 0.115	97.9	70.0 to 130	0.512	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16359	Antimony, Dissolved	mg/L	0.000451	0.00100	0.100	0.0898	0.0931	0.0896	0.0850 to 0.115	89.8	70.0 to 130	3.61	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16359	Arsenic, Dissolved	mg/L	-0.0000160	0.000176	0.100	0.101	0.102	0.0997	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16359	Barium, Dissolved	mg/L	0.0000042	0.00100	0.100	0.116	0.116	0.103	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16359	Beryllium, Dissolved	mg/L	0.0000201	0.000880	0.100	0.0977	0.100	0.0982	0.0850 to 0.115	97.7	70.0 to 130	2.33	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16359	Boron, Dissolved	mg/L	-0.00172	0.0650	1.00	1.14	1.14	1.02	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16359	Cadmium, Dissolved	mg/L	0.0000044	0.000147	0.100	0.0994	0.102	0.101	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16359	Calcium, Dissolved	mg/L	0.00129	0.152	5.00	74.1	69.7	5.00	4.25 to 5.75	278	70.0 to 130	6.12	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16359	Chromium, Dissolved	mg/L	0.0000408	0.000440	0.100	0.0993	0.0993	0.0980	0.0850 to 0.115	98.7	70.0 to 130	0.00	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16359	Cobalt, Dissolved	mg/L	-0.0000837	0.000147	0.100	0.0969	0.0968	0.0974	0.0850 to 0.115	96.9	70.0 to 130	0.103	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16359	Iron, Dissolved	mg/L	-0.000224	0.0176	0.2	0.207	0.211	0.203	0.170 to 0.230	104	70.0 to 130	1.91	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:38

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC16354

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16359	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16359	Lithium, Dissolved	mg/L	0.000173	0.0154	0.200	0.221	0.220	0.216	0.170 to 0.230	110	70.0 to 130	0.454	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16359	Magnesium, Dissolved	mg/L	-0.000342	0.0462	5.00	35.2	35.5	5.18	4.25 to 5.75	92.0	70.0 to 130	0.849	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16359	Manganese, Dissolved	mg/L	0.0000163	0.00033	0.100	0.110	0.110	0.0993	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16359	Molybdenum, Dissolved	mg/L	0.0000135	0.0002	0.100	0.100	0.102	0.0987	0.0850 to 0.115	99.8	70.0 to 130	1.98	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16359	Potassium, Dissolved	mg/L	0.0111	0.367	10.0	10.7	10.7	10.0	8.50 to 11.5	100	70.0 to 130	0.00	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16359	Selenium, Dissolved	mg/L	0.0000686	0.00100	0.100	0.102	0.102	0.0990	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16359	Silicon, Dissolved	mg/L	0.00119	0.0440	1.00	5.53	5.55	1.02	0.850 to 1.15	101	70.0 to 130	0.361	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16359	Sodium, Dissolved	mg/L	0.00218	0.0660	5.00	12.2	12.1	5.30	4.25 to 5.75	108	70.0 to 130	0.823	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16359	Thallium, Dissolved	mg/L	-0.0000978	0.000147	0.100	0.104	0.108	0.103	0.0850 to 0.115	104	70.0 to 130	3.77	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:38

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-18

Laboratory ID Number: BC16354

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18 DUP

Location Code: WMWGASAP
Collected: 8/30/22 10:38
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16355

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 13:25		1.015	1.71	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 13:07		10.15	143	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 13:25		1.015	0.326	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 13:25		1.015	0.0450	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/2/22 13:07		10.15	56.1	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:25		1	8.90	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:25		1.015	4.16	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:25		1.015	11.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:45		1.015	1.75	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:37		10.15	142	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:45		1.015	0.303	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:45		1.015	0.0492	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/8/22 12:37		10.15	54.4	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:45		1	9.03	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:45		1.015	4.22	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:45		1.015	11.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 12:30		1.015	0.00252	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:30		1.015	0.0540	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 12:30		1.015	0.00196	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:30		1.015	0.826	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:30		1.015	0.0703	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:30		1.015	3.36	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18 DUP

Location Code: WMWGASAP
Collected: 8/30/22 10:38
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16355

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:30		1.015	0.000490	mg/L	0.000068	0.000203	
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	0.00247	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	0.0560	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	0.00183	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	0.852	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	0.0737	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	3.20	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:55		1.015	0.000372	mg/L	0.000068	0.000203	
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 22:59		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:31	9/12/22 14:31		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	279	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	612	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	278	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	1.06	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 03:15	9/8/22 03:15		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-18 DUP

Location Code: WMWGASAP
Collected: 8/30/22 10:38
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16355

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:12	9/7/22 09:12		1	12.9	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:54	9/7/22 11:54		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:04	9/14/22 12:04		20	203	mg/L	12.0	40	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 10:35	8/30/22 10:35			897.24	uS/cm			FA
pH	8/30/22 10:35	8/30/22 10:35			6.65	SU			FA
Temperature	8/30/22 10:35	8/30/22 10:35			20.09	C			FA
Turbidity	8/30/22 10:35	8/30/22 10:35			1.58	NTU			FA
Sulfide	8/30/22 10:35	8/30/22 10:35			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:38

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-18 DUP

Laboratory ID Number: BC16355

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Aluminum, Dissolved	mg/L	-0.00303	0.010	0.100	0.0979	0.0974	0.0969	0.0850 to 0.115	97.9	70.0 to 130	0.512	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16359	Antimony, Dissolved	mg/L	0.000451	0.00100	0.100	0.0898	0.0931	0.0896	0.0850 to 0.115	89.8	70.0 to 130	3.61	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16359	Arsenic, Dissolved	mg/L	-0.0000160	0.000176	0.100	0.101	0.102	0.0997	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16359	Barium, Dissolved	mg/L	0.0000042	0.00100	0.100	0.116	0.116	0.103	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16359	Beryllium, Dissolved	mg/L	0.0000201	0.000880	0.100	0.0977	0.100	0.0982	0.0850 to 0.115	97.7	70.0 to 130	2.33	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16359	Boron, Dissolved	mg/L	-0.00172	0.0650	1.00	1.14	1.14	1.02	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16359	Cadmium, Dissolved	mg/L	0.0000044	0.000147	0.100	0.0994	0.102	0.101	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16359	Calcium, Dissolved	mg/L	0.00129	0.152	5.00	74.1	69.7	5.00	4.25 to 5.75	278	70.0 to 130	6.12	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16359	Chromium, Dissolved	mg/L	0.0000408	0.000440	0.100	0.0993	0.0993	0.0980	0.0850 to 0.115	98.7	70.0 to 130	0.00	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16359	Cobalt, Dissolved	mg/L	-0.0000837	0.000147	0.100	0.0969	0.0968	0.0974	0.0850 to 0.115	96.9	70.0 to 130	0.103	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16359	Iron, Dissolved	mg/L	-0.000224	0.0176	0.2	0.207	0.211	0.203	0.170 to 0.230	104	70.0 to 130	1.91	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 10:38

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-18 DUP

Laboratory ID Number: BC16355

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16359	Lithium, Dissolved	mg/L	0.000173	0.0154	0.200	0.221	0.220	0.216	0.170 to 0.230	110	70.0 to 130	0.454	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16359	Magnesium, Dissolved	mg/L	-0.000342	0.0462	5.00	35.2	35.5	5.18	4.25 to 5.75	92.0	70.0 to 130	0.849	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16359	Manganese, Dissolved	mg/L	0.0000163	0.00033	0.100	0.110	0.110	0.0993	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16359	Molybdenum, Dissolved	mg/L	0.0000135	0.0002	0.100	0.100	0.102	0.0987	0.0850 to 0.115	99.8	70.0 to 130	1.98	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16359	Potassium, Dissolved	mg/L	0.0111	0.367	10.0	10.7	10.7	10.0	8.50 to 11.5	100	70.0 to 130	0.00	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16359	Selenium, Dissolved	mg/L	0.0000686	0.00100	0.100	0.102	0.102	0.0990	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16359	Silicon, Dissolved	mg/L	0.00119	0.0440	1.00	5.53	5.55	1.02	0.850 to 1.15	101	70.0 to 130	0.361	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16359	Sodium, Dissolved	mg/L	0.00218	0.0660	5.00	12.2	12.1	5.30	4.25 to 5.75	108	70.0 to 130	0.823	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16359	Thallium, Dissolved	mg/L	-0.0000978	0.000147	0.100	0.104	0.108	0.103	0.0850 to 0.115	104	70.0 to 130	3.77	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 10:38
Customer ID:
Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-18 DUP

Laboratory ID Number: BC16355

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16355	Solids, Dissolved	mg/L	1.00	25.0			614	53.0	40.0 to 60.0			0.326	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17

Location Code: WMWGASAP
Collected: 8/30/22 12:02
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16356

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 13:29		1.015	3.33	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 13:10		10.15	300	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 13:29		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 06:44	9/1/22 13:29		1.015	1.09	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 06:44	9/1/22 13:29		1.015	11.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:29		1	5.46	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:29		1.015	2.55	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/2/22 13:10		10.15	48.3	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:48		1.015	3.42	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:40		10.15	330	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:48		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:48		1.015	1.19	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:48		1.015	12.1	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:48		1	5.67	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:48		1.015	2.65	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/8/22 12:40		10.15	57.5	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 12:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:33		1.015	0.0626	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 12:33		1.015	0.00745	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:33		1.015	0.141	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:33		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:33		1.015	0.000271	mg/L	0.000068	0.000203	
* Chromium, Total	9/1/22 06:44	9/1/22 12:33		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 12:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 06:44	9/1/22 12:33		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:33		1.015	0.0172	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 14:37		5.075	2.84	mg/L	0.000508	0.001015	
* Potassium, Total	9/1/22 06:44	9/1/22 12:33		1.015	43.3	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17

Location Code: WMWGASAP
Collected: 8/30/22 12:02
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16356

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:33		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:33		1.015	0.0000907	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	0.000604	mg/L	0.000508	0.001015	J
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	0.0587	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	0.00814	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	0.137	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	0.000264	mg/L	0.000068	0.000203	
* Chromium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	0.0175	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 13:31		5.075	2.95	mg/L	0.000508	0.001015	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	41.5	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:03		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:32	9/12/22 14:32		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	20.9	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	1420	mg/L		100	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	17.8	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.41	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 03:41	9/8/22 03:41		1	1.16	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17

Location Code: WMWGASAP
Collected: 8/30/22 12:02
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16356

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:23	9/7/22 09:23		25	272	mg/L	12.50	25	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:55	9/7/22 11:55		1	0.115	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:05	9/14/22 12:05		25	415	mg/L	15.0	50	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 11:59	8/30/22 11:59			1773.99	uS/cm			FA
pH	8/30/22 11:59	8/30/22 11:59			9.18	SU			FA
Temperature	8/30/22 11:59	8/30/22 11:59			21.38	C			FA
Turbidity	8/30/22 11:59	8/30/22 11:59			0.35	NTU			FA
Sulfide	8/30/22 11:59	8/30/22 11:59			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:02

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC16356

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Aluminum, Dissolved	mg/L	-0.00303	0.010	0.100	0.0979	0.0974	0.0969	0.0850 to 0.115	97.9	70.0 to 130	0.512	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16359	Antimony, Dissolved	mg/L	0.000451	0.00100	0.100	0.0898	0.0931	0.0896	0.0850 to 0.115	89.8	70.0 to 130	3.61	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16359	Arsenic, Dissolved	mg/L	-0.0000160	0.000176	0.100	0.101	0.102	0.0997	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16359	Barium, Dissolved	mg/L	0.0000042	0.00100	0.100	0.116	0.116	0.103	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16359	Beryllium, Dissolved	mg/L	0.0000201	0.000880	0.100	0.0977	0.100	0.0982	0.0850 to 0.115	97.7	70.0 to 130	2.33	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16359	Boron, Dissolved	mg/L	-0.00172	0.0650	1.00	1.14	1.14	1.02	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16359	Cadmium, Dissolved	mg/L	0.0000044	0.000147	0.100	0.0994	0.102	0.101	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16359	Calcium, Dissolved	mg/L	0.00129	0.152	5.00	74.1	69.7	5.00	4.25 to 5.75	278	70.0 to 130	6.12	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16359	Chromium, Dissolved	mg/L	0.0000408	0.000440	0.100	0.0993	0.0993	0.0980	0.0850 to 0.115	98.7	70.0 to 130	0.00	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16359	Cobalt, Dissolved	mg/L	-0.0000837	0.000147	0.100	0.0969	0.0968	0.0974	0.0850 to 0.115	96.9	70.0 to 130	0.103	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16359	Iron, Dissolved	mg/L	-0.000224	0.0176	0.2	0.207	0.211	0.203	0.170 to 0.230	104	70.0 to 130	1.91	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:02

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC16356

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16359	Lithium, Dissolved	mg/L	0.000173	0.0154	0.200	0.221	0.220	0.216	0.170 to 0.230	110	70.0 to 130	0.454	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16359	Magnesium, Dissolved	mg/L	-0.000342	0.0462	5.00	35.2	35.5	5.18	4.25 to 5.75	92.0	70.0 to 130	0.849	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16359	Manganese, Dissolved	mg/L	0.0000163	0.00033	0.100	0.110	0.110	0.0993	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16359	Molybdenum, Dissolved	mg/L	0.0000135	0.0002	0.100	0.100	0.102	0.0987	0.0850 to 0.115	99.8	70.0 to 130	1.98	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16359	Potassium, Dissolved	mg/L	0.0111	0.367	10.0	10.7	10.7	10.0	8.50 to 11.5	100	70.0 to 130	0.00	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16359	Selenium, Dissolved	mg/L	0.0000686	0.00100	0.100	0.102	0.102	0.0990	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16359	Silicon, Dissolved	mg/L	0.00119	0.0440	1.00	5.53	5.55	1.02	0.850 to 1.15	101	70.0 to 130	0.361	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16359	Sodium, Dissolved	mg/L	0.00218	0.0660	5.00	12.2	12.1	5.30	4.25 to 5.75	108	70.0 to 130	0.823	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16359	Thallium, Dissolved	mg/L	-0.0000978	0.000147	0.100	0.104	0.108	0.103	0.0850 to 0.115	104	70.0 to 130	3.77	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:02

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-17

Laboratory ID Number: BC16356

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17 DUP

Location Code: WMWGASAP
Collected: 8/30/22 12:02
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16357

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Total	9/1/22 06:44	9/1/22 13:32		1.015	3.29	mg/L	0.030000	0.1015		
* Calcium, Total	9/1/22 06:44	9/2/22 13:14		10.15	326	mg/L	0.70035	4.06		
* Iron, Total	9/1/22 06:44	9/1/22 13:32		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	9/1/22 06:44	9/1/22 13:32		1.015	1.06	mg/L	0.007105	0.01999956		
* Magnesium, Total	9/1/22 06:44	9/1/22 13:32		1.015	11.3	mg/L	0.021315	0.406		
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:32		1	5.46	mg/L				
Silicon, Total	9/1/22 06:44	9/1/22 13:32		1.015	2.55	mg/L	0.02030	0.25375		
* Sodium, Total	9/1/22 06:44	9/2/22 13:14		10.15	51.5	mg/L	0.3045	4.06		
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:51		1.015	3.39	mg/L	0.030000	0.1015		
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:44		10.15	331	mg/L	0.70035	4.06		
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:51		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:51		1.015	1.19	mg/L	0.007105	0.01999956		
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:51		1.015	11.9	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:51		1	5.61	mg/L				
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:51		1.015	2.62	mg/L	0.02030	0.25375		
* Sodium, Dissolved	9/1/22 08:37	9/8/22 12:44		10.15	55.5	mg/L	0.3045	4.06		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	9/1/22 06:44	9/1/22 12:37		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	9/1/22 06:44	9/1/22 12:37		1.015	0.0587	mg/L	0.006090	0.01015		
* Arsenic, Total	9/1/22 06:44	9/1/22 12:37		1.015	0.00748	mg/L	0.000081	0.000203		
* Barium, Total	9/1/22 06:44	9/1/22 12:37		1.015	0.135	mg/L	0.000508	0.001015		
* Beryllium, Total	9/1/22 06:44	9/1/22 12:37		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	9/1/22 06:44	9/1/22 12:37		1.015	0.000270	mg/L	0.000068	0.000203		
* Chromium, Total	9/1/22 06:44	9/1/22 12:37		1.015	Not Detected	mg/L	0.000203	0.001015	U	
* Cobalt, Total	9/1/22 06:44	9/1/22 12:37		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	9/1/22 06:44	9/1/22 12:37		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	9/1/22 06:44	9/1/22 12:37		1.015	0.0173	mg/L	0.000152	0.001015		
* Molybdenum, Total	9/1/22 06:44	9/1/22 14:41		5.075	2.84	mg/L	0.000508	0.001015		
* Potassium, Total	9/1/22 06:44	9/1/22 12:37		1.015	41.9	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17 DUP

Location Code: WMWGASAP
Collected: 8/30/22 12:02
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16357

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:37		1.015	0.000082	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	0.0609	mg/L	0.006090	0.01015	
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	0.00812	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	0.136	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	0.000205	mg/L	0.000068	0.000203	
* Chromium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	0.000242	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	0.0173	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 13:35		5.075	2.93	mg/L	0.000508	0.001015	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	42.0	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:07		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:33	9/12/22 14:33		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	21.5	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	1440	mg/L		100	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	18.4	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.39	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 04:03	9/8/22 04:03		1	1.13	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17 DUP

Location Code: WMWASAP
Collected: 8/30/22 12:02
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16357

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:24	9/7/22 09:24		25	301	mg/L	12.50	25	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:56	9/7/22 11:56		1	0.124	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:06	9/14/22 12:06		25	431	mg/L	15.0	50	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 11:59	8/30/22 11:59			1773.99	uS/cm			FA
pH	8/30/22 11:59	8/30/22 11:59			9.18	SU			FA
Temperature	8/30/22 11:59	8/30/22 11:59			21.38	C			FA
Turbidity	8/30/22 11:59	8/30/22 11:59			0.35	NTU			FA
Sulfide	8/30/22 11:59	8/30/22 11:59			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:02

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-17 DUP

Laboratory ID Number: BC16357

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Aluminum, Dissolved	mg/L	-0.00303	0.010	0.100	0.0979	0.0974	0.0969	0.0850 to 0.115	97.9	70.0 to 130	0.512	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16359	Antimony, Dissolved	mg/L	0.000451	0.00100	0.100	0.0898	0.0931	0.0896	0.0850 to 0.115	89.8	70.0 to 130	3.61	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16359	Arsenic, Dissolved	mg/L	-0.0000160	0.000176	0.100	0.101	0.102	0.0997	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16359	Barium, Dissolved	mg/L	0.0000042	0.00100	0.100	0.116	0.116	0.103	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16359	Beryllium, Dissolved	mg/L	0.0000201	0.000880	0.100	0.0977	0.100	0.0982	0.0850 to 0.115	97.7	70.0 to 130	2.33	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16359	Boron, Dissolved	mg/L	-0.00172	0.0650	1.00	1.14	1.14	1.02	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16359	Cadmium, Dissolved	mg/L	0.0000044	0.000147	0.100	0.0994	0.102	0.101	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16359	Calcium, Dissolved	mg/L	0.00129	0.152	5.00	74.1	69.7	5.00	4.25 to 5.75	278	70.0 to 130	6.12	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16359	Chromium, Dissolved	mg/L	0.0000408	0.000440	0.100	0.0993	0.0993	0.0980	0.0850 to 0.115	98.7	70.0 to 130	0.00	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16359	Cobalt, Dissolved	mg/L	-0.0000837	0.000147	0.100	0.0969	0.0968	0.0974	0.0850 to 0.115	96.9	70.0 to 130	0.103	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16359	Iron, Dissolved	mg/L	-0.000224	0.0176	0.2	0.207	0.211	0.203	0.170 to 0.230	104	70.0 to 130	1.91	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 12:02

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-17 DUP

Laboratory ID Number: BC16357

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16359	Lead, Dissolved	mg/L	0.0000023	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.0000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16359	Lithium, Dissolved	mg/L	0.000173	0.0154	0.200	0.221	0.220	0.216	0.170 to 0.230	110	70.0 to 130	0.454	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16359	Magnesium, Dissolved	mg/L	-0.000342	0.0462	5.00	35.2	35.5	5.18	4.25 to 5.75	92.0	70.0 to 130	0.849	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16359	Manganese, Dissolved	mg/L	0.0000163	0.00033	0.100	0.110	0.110	0.0993	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16357	Mercury, Total by CVAA	mg/L	1.000E-05	0.000500	0.004	0.00405	0.00405	0.00403	0.00340 to 0.00460	101	70.0 to 130	0.00	20.0
BC16359	Molybdenum, Dissolved	mg/L	0.0000135	0.0002	0.100	0.100	0.102	0.0987	0.0850 to 0.115	99.8	70.0 to 130	1.98	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16359	Potassium, Dissolved	mg/L	0.0111	0.367	10.0	10.7	10.7	10.0	8.50 to 11.5	100	70.0 to 130	0.00	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16359	Selenium, Dissolved	mg/L	0.0000686	0.00100	0.100	0.102	0.102	0.0990	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16359	Silicon, Dissolved	mg/L	0.00119	0.0440	1.00	5.53	5.55	1.02	0.850 to 1.15	101	70.0 to 130	0.361	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16359	Sodium, Dissolved	mg/L	0.00218	0.0660	5.00	12.2	12.1	5.30	4.25 to 5.75	108	70.0 to 130	0.823	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16359	Thallium, Dissolved	mg/L	-0.0000978	0.000147	0.100	0.104	0.108	0.103	0.0850 to 0.115	104	70.0 to 130	3.77	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 12:02
Customer ID:
Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-17 DUP

Laboratory ID Number: BC16357

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-19

Location Code: WMWGASAP
Collected: 8/30/22 15:09
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16358

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 06:44	9/1/22 13:35		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 06:44	9/2/22 13:17		10.15	45.8	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 06:44	9/1/22 13:35		1.015	0.589	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 06:44	9/1/22 13:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 13:35		1.015	21.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:35		1	8.54	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:35		1.015	3.99	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:35		1.015	12.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:54		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:47		10.15	46.8	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:54		1.015	0.503	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:54		1.015	22.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:54		1	8.73	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:54		1.015	4.08	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:54		1.015	14.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 06:44	9/1/22 12:40		1.015	0.00258	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 06:44	9/1/22 12:40		1.015	0.0146	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/1/22 06:44	9/1/22 12:40		1.015	0.000137	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:40		1.015	0.0127	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:40		1.015	0.0144	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:40		1.015	0.412	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-19

Location Code: WMWGASAP

Collected: 8/30/22 15:09

Customer ID:

Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16358

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:40		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	0.00227	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	0.0145	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	0.000217	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	0.0113	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	0.0148	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	0.358	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:34		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:34	9/12/22 14:34		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	172	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	238	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	169	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.76	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 04:23	9/8/22 04:23		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-19

Location Code: WMWGASAP
Collected: 8/30/22 15:09
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16358

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:16	9/7/22 09:16		1	13.0	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:57	9/7/22 11:57		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:53	9/14/22 11:53		1	27.5	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 15:06	8/30/22 15:06			455.44	uS/cm			FA
pH	8/30/22 15:06	8/30/22 15:06			7.10	SU			FA
Temperature	8/30/22 15:06	8/30/22 15:06			22.37	C			FA
Turbidity	8/30/22 15:06	8/30/22 15:06			1.88	NTU			FA
Sulfide	8/30/22 15:06	8/30/22 15:06			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 15:09

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC16358

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Aluminum, Dissolved	mg/L	-0.00303	0.010	0.100	0.0979	0.0974	0.0969	0.0850 to 0.115	97.9	70.0 to 130	0.512	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16359	Antimony, Dissolved	mg/L	0.000451	0.00100	0.100	0.0898	0.0931	0.0896	0.0850 to 0.115	89.8	70.0 to 130	3.61	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16359	Arsenic, Dissolved	mg/L	-0.0000160	0.000176	0.100	0.101	0.102	0.0997	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16359	Barium, Dissolved	mg/L	0.0000042	0.00100	0.100	0.116	0.116	0.103	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16359	Beryllium, Dissolved	mg/L	0.0000201	0.000880	0.100	0.0977	0.100	0.0982	0.0850 to 0.115	97.7	70.0 to 130	2.33	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16359	Boron, Dissolved	mg/L	-0.00172	0.0650	1.00	1.14	1.14	1.02	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16359	Cadmium, Dissolved	mg/L	0.0000044	0.000147	0.100	0.0994	0.102	0.101	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16359	Calcium, Dissolved	mg/L	0.00129	0.152	5.00	74.1	69.7	5.00	4.25 to 5.75	278	70.0 to 130	6.12	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16359	Chromium, Dissolved	mg/L	0.0000408	0.000440	0.100	0.0993	0.0993	0.0980	0.0850 to 0.115	98.7	70.0 to 130	0.00	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16359	Cobalt, Dissolved	mg/L	-0.0000837	0.000147	0.100	0.0969	0.0968	0.0974	0.0850 to 0.115	96.9	70.0 to 130	0.103	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16359	Iron, Dissolved	mg/L	-0.000224	0.0176	0.2	0.207	0.211	0.203	0.170 to 0.230	104	70.0 to 130	1.91	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 15:09

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC16358

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16359	Lead, Dissolved	mg/L	0.000023	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16359	Lithium, Dissolved	mg/L	0.000173	0.0154	0.200	0.221	0.220	0.216	0.170 to 0.230	110	70.0 to 130	0.454	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16359	Magnesium, Dissolved	mg/L	-0.000342	0.0462	5.00	35.2	35.5	5.18	4.25 to 5.75	92.0	70.0 to 130	0.849	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16359	Manganese, Dissolved	mg/L	0.0000163	0.00033	0.100	0.110	0.110	0.0993	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16359	Molybdenum, Dissolved	mg/L	0.0000135	0.0002	0.100	0.100	0.102	0.0987	0.0850 to 0.115	99.8	70.0 to 130	1.98	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16359	Potassium, Dissolved	mg/L	0.0111	0.367	10.0	10.7	10.7	10.0	8.50 to 11.5	100	70.0 to 130	0.00	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16359	Selenium, Dissolved	mg/L	0.0000686	0.00100	0.100	0.102	0.102	0.0990	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16359	Silicon, Dissolved	mg/L	0.00119	0.0440	1.00	5.53	5.55	1.02	0.850 to 1.15	101	70.0 to 130	0.361	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16359	Sodium, Dissolved	mg/L	0.00218	0.0660	5.00	12.2	12.1	5.30	4.25 to 5.75	108	70.0 to 130	0.823	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16359	Thallium, Dissolved	mg/L	-0.0000978	0.000147	0.100	0.104	0.108	0.103	0.0850 to 0.115	104	70.0 to 130	3.77	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 15:09

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-19

Laboratory ID Number: BC16358

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-4

Location Code: WMWGASAP
Collected: 8/30/22 16:34
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16359

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 06:44	9/1/22 13:38		1.015	0.112	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 06:44	9/2/22 13:26		10.15	67.4	mg/L	0.70035	4.06	RA
* Iron, Total	9/1/22 06:44	9/1/22 13:38		1.015	0.0232	mg/L	0.008120	0.0406	J
* Lithium, Total	9/1/22 06:44	9/1/22 13:38		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 06:44	9/1/22 13:38		1.015	29.6	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 06:44	9/1/22 13:38		1	9.50	mg/L			
Silicon, Total	9/1/22 06:44	9/1/22 13:38		1.015	4.44	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 06:44	9/1/22 13:38		1.015	6.29	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 08:37	9/7/22 13:57		1.015	0.116	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 08:37	9/8/22 12:50		10.15	60.2	mg/L	0.70035	4.06	RA
* Iron, Dissolved	9/1/22 08:37	9/7/22 13:57		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 08:37	9/7/22 13:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 08:37	9/7/22 13:57		1.015	30.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 08:37	9/7/22 13:57		1	9.67	mg/L			
Silicon, Dissolved	9/1/22 08:37	9/7/22 13:57		1.015	4.52	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 08:37	9/7/22 13:57		1.015	6.82	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.0168	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.000129	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.0157	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.000550	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.0000775	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.0109	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.000242	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 06:44	9/1/22 12:44		1.015	0.699	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-4

Location Code: WMWGASAP
Collected: 8/30/22 16:34
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16359

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 06:44	9/1/22 12:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	0.0000993	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	0.0158	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	0.000574	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	0.00997	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	0.000240	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	0.690	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 08:37	9/1/22 12:09		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:38		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 14:35	9/12/22 14:35		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	235	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	240	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	232	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.69	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 04:40	9/8/22 04:40		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-4

Location Code: WMWGASAP
Collected: 8/30/22 16:34
Customer ID:
Submittal Date: 8/31/22 08:34

Laboratory ID Number: BC16359

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:17	9/7/22 09:17		1	8.56	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 11:59	9/7/22 11:59		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:54	9/14/22 11:54		1	12.1	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/30/22 16:31	8/30/22 16:31			519.52	uS/cm			FA
pH	8/30/22 16:31	8/30/22 16:31			6.85	SU			FA
Temperature	8/30/22 16:31	8/30/22 16:31			19.78	C			FA
Turbidity	8/30/22 16:31	8/30/22 16:31			1.8	NTU			FA
Sulfide	8/30/22 16:31	8/30/22 16:31			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/30/22 16:34
Customer ID:
Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC16359

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Aluminum, Dissolved	mg/L	-0.00303	0.010	0.100	0.0979	0.0974	0.0969	0.0850 to 0.115	97.9	70.0 to 130	0.512	20.0
BC16359	Aluminum, Total	mg/L	-0.00139	0.010	0.100	0.120	0.122	0.0990	0.0850 to 0.115	103	70.0 to 130	1.65	20.0
BC16359	Antimony, Dissolved	mg/L	0.000451	0.00100	0.100	0.0898	0.0931	0.0896	0.0850 to 0.115	89.8	70.0 to 130	3.61	20.0
BC16359	Antimony, Total	mg/L	0.000183	0.00100	0.100	0.107	0.105	0.104	0.0850 to 0.115	107	70.0 to 130	1.89	20.0
BC16359	Arsenic, Dissolved	mg/L	-0.0000160	0.000176	0.100	0.101	0.102	0.0997	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16359	Arsenic, Total	mg/L	0.0000088	0.000176	0.100	0.0975	0.0963	0.101	0.0850 to 0.115	97.4	70.0 to 130	1.24	20.0
BC16359	Barium, Dissolved	mg/L	0.0000042	0.00100	0.100	0.116	0.116	0.103	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Barium, Total	mg/L	-0.0000505	0.00100	0.100	0.122	0.121	0.106	0.0850 to 0.115	106	70.0 to 130	0.823	20.0
BC16359	Beryllium, Dissolved	mg/L	0.0000201	0.000880	0.100	0.0977	0.100	0.0982	0.0850 to 0.115	97.7	70.0 to 130	2.33	20.0
BC16359	Beryllium, Total	mg/L	0.00000	0.000880	0.100	0.0929	0.0923	0.0938	0.0850 to 0.115	92.9	70.0 to 130	0.648	20.0
BC16359	Boron, Dissolved	mg/L	-0.00172	0.0650	1.00	1.14	1.14	1.02	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16359	Boron, Total	mg/L	-0.00166	0.0650	1.00	1.10	1.11	1.00	0.850 to 1.15	98.8	70.0 to 130	0.905	20.0
BC16359	Cadmium, Dissolved	mg/L	0.0000044	0.000147	0.100	0.0994	0.102	0.101	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16359	Cadmium, Total	mg/L	0.000006	0.000147	0.100	0.0995	0.101	0.105	0.0850 to 0.115	99.5	70.0 to 130	1.50	20.0
BC16359	Calcium, Dissolved	mg/L	0.00129	0.152	5.00	74.1	69.7	5.00	4.25 to 5.75	278	70.0 to 130	6.12	20.0
BC16359	Calcium, Total	mg/L	-0.00908	0.152	5.00	70.2	71.0	4.92	4.25 to 5.75	56.0	70.0 to 130	1.13	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16359	Chromium, Dissolved	mg/L	0.0000408	0.000440	0.100	0.0993	0.0993	0.0980	0.0850 to 0.115	98.7	70.0 to 130	0.00	20.0
BC16359	Chromium, Total	mg/L	-0.0000934	0.000440	0.100	0.100	0.101	0.101	0.0850 to 0.115	99.4	70.0 to 130	0.995	20.0
BC16359	Cobalt, Dissolved	mg/L	-0.0000837	0.000147	0.100	0.0969	0.0968	0.0974	0.0850 to 0.115	96.9	70.0 to 130	0.103	20.0
BC16359	Cobalt, Total	mg/L	-0.0000147	0.000147	0.100	0.101	0.102	0.105	0.0850 to 0.115	101	70.0 to 130	0.985	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16359	Iron, Dissolved	mg/L	-0.000224	0.0176	0.2	0.207	0.211	0.203	0.170 to 0.230	104	70.0 to 130	1.91	20.0
BC16359	Iron, Total	mg/L	0.000285	0.0176	0.2	0.214	0.217	0.199	0.170 to 0.230	95.4	70.0 to 130	1.39	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 16:34

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC16359

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16359	Lead, Dissolved	mg/L	0.000023	0.000147	0.100	0.105	0.109	0.106	0.0850 to 0.115	105	70.0 to 130	3.74	20.0
BC16359	Lead, Total	mg/L	0.000051	0.000147	0.100	0.101	0.100	0.102	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16359	Lithium, Dissolved	mg/L	0.000173	0.0154	0.200	0.221	0.220	0.216	0.170 to 0.230	110	70.0 to 130	0.454	20.0
BC16359	Lithium, Total	mg/L	0.000116	0.0154	0.200	0.200	0.201	0.197	0.170 to 0.230	100	70.0 to 130	0.499	20.0
BC16359	Magnesium, Dissolved	mg/L	-0.000342	0.0462	5.00	35.2	35.5	5.18	4.25 to 5.75	92.0	70.0 to 130	0.849	20.0
BC16359	Magnesium, Total	mg/L	0.0118	0.0462	5.00	34.6	34.8	4.98	4.25 to 5.75	100	70.0 to 130	0.576	20.0
BC16359	Manganese, Dissolved	mg/L	0.0000163	0.00033	0.100	0.110	0.110	0.0993	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16359	Manganese, Total	mg/L	0.0000104	0.00033	0.100	0.111	0.113	0.103	0.0850 to 0.115	100	70.0 to 130	1.79	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16359	Molybdenum, Dissolved	mg/L	0.0000135	0.0002	0.100	0.100	0.102	0.0987	0.0850 to 0.115	99.8	70.0 to 130	1.98	20.0
BC16359	Molybdenum, Total	mg/L	0.0000	0.0002	0.100	0.0970	0.0969	0.101	0.0850 to 0.115	96.8	70.0 to 130	0.103	20.0
BC16359	Potassium, Dissolved	mg/L	0.0111	0.367	10.0	10.7	10.7	10.0	8.50 to 11.5	100	70.0 to 130	0.00	20.0
BC16359	Potassium, Total	mg/L	0.0364	0.367	10.0	10.7	10.8	10.5	8.50 to 11.5	100	70.0 to 130	0.930	20.0
BC16359	Selenium, Dissolved	mg/L	0.0000686	0.00100	0.100	0.102	0.102	0.0990	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16359	Selenium, Total	mg/L	0.0000024	0.00100	0.100	0.0982	0.0971	0.102	0.0850 to 0.115	98.2	70.0 to 130	1.13	20.0
BC16359	Silicon, Dissolved	mg/L	0.00119	0.0440	1.00	5.53	5.55	1.02	0.850 to 1.15	101	70.0 to 130	0.361	20.0
BC16359	Silicon, Total	mg/L	-0.000088	0.0440	1.00	5.43	5.47	1.01	0.850 to 1.15	99.0	70.0 to 130	0.734	20.0
BC16359	Sodium, Dissolved	mg/L	0.00218	0.0660	5.00	12.2	12.1	5.30	4.25 to 5.75	108	70.0 to 130	0.823	20.0
BC16359	Sodium, Total	mg/L	0.00113	0.0660	5.00	11.3	11.2	4.92	4.25 to 5.75	100	70.0 to 130	0.889	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16359	Thallium, Dissolved	mg/L	-0.0000978	0.000147	0.100	0.104	0.108	0.103	0.0850 to 0.115	104	70.0 to 130	3.77	20.0
BC16359	Thallium, Total	mg/L	-0.000002	0.000147	0.100	0.103	0.102	0.102	0.0850 to 0.115	103	70.0 to 130	0.976	20.0
BC16359	Total Organic Carbon	mg/L	0.151	1.00	10.0	10.3	10.6	9.42		103	80.0 to 120	2.87	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/30/22 16:34

Customer ID:

Delivery Date: 8/31/22 08:34

Description: Gaston Ash Pond - MW-4

Laboratory ID Number: BC16359

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16359	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	2.09	0.151	1.83	1.80 to 2.20	104	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-4

Location Code: WMWGASAPFB
Collected: 8/31/22 09:30
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16414

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:16		1	Not Detected	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	9/1/22 13:59	9/8/22 13:16		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 14:23		1.015	0.000335	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:23		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:42		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	9/12/22 12:56	9/12/22 12:56		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-4

Location Code: WMWGASAPFB
Collected: 8/31/22 09:30
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16414

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 17:26	9/8/22 17:26		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:18	9/7/22 09:18		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:00	9/7/22 12:00		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 11:55	9/14/22 11:55		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/31/22 09:30

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond Field Blank-4

Laboratory ID Number: BC16414

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16414	Chloride	mg/L	0.176	1.00	10.0	9.21	9.22	9.19	9.00 to 11.0	92.1	80.0 to 120	0.109	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16414	Fluoride	mg/L	-0.0118	0.125	2.50	2.66	2.66	2.63	2.25 to 2.75	106	80.0 to 120	0.00	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0
BC16423	Lead, Total	mg/L	0.0000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16414	Sulfate	mg/L	-0.072	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/31/22 09:30

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond Field Blank-4

Laboratory ID Number: BC16414

Sample	Analysis	Units	MB	MB				MSD	Standard	Standard		Rec		Prec	Limit
				Limit	Spike	MS	Standard			Limit	Rec	Limit	Prec		
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115		105	70.0 to 130		1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3			92.5	80.0 to 120		5.96	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 8/31/22 09:30

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond Field Blank-4

Laboratory ID Number: BC16414

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-15R

Location Code: WMWGASAP
Collected: 8/31/22 09:45
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16415

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 13:20		1.015	2.22	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 13:59	9/8/22 14:26		10.15	112	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:20		1.015	0.0789	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:20		1.015	0.0260	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 13:59	9/8/22 13:20		1.015	27.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:20		1	6.53	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:20		1.015	3.05	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 14:26		10.15	63.8	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 12:18	9/2/22 11:46		1.015	2.24	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:34		10.15	107	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 11:46		1.015	0.0714	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 12:18	9/2/22 11:46		1.015	0.0268	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 11:46		1.015	28.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 11:46		1	6.81	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 11:46		1.015	3.18	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 12:34		10.15	61.7	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 13:59	9/1/22 14:27		1.015	0.000483	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:27		1.015	0.0551	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 14:27		1.015	0.000323	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:27		1.015	0.000193	mg/L	0.000068	0.000203	J
* Lead, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:27		1.015	0.305	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:27		1.015	0.138	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:27		1.015	5.75	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-15R

Location Code: WMWGASAP
Collected: 8/31/22 09:45
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16415

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:27		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.000502	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.0557	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.000236	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.000244	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.000126	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.331	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	0.140	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	5.80	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:38		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:46		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 12:58	9/12/22 12:58		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	86.7	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	582	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	86.0	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	0.63	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 17:50	9/8/22 17:50		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-15R

Location Code: WMWGASAP
Collected: 8/31/22 09:45
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16415

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:50	9/7/22 09:50		10	82.0	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:13	9/7/22 12:13		1	0.0842	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:32	9/14/22 12:32		16	225	mg/L	9.6	32	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/31/22 09:40	8/31/22 09:40			877.77	uS/cm			FA
pH	8/31/22 09:40	8/31/22 09:40			7.60	SU			FA
Temperature	8/31/22 09:40	8/31/22 09:40			21.06	C			FA
Turbidity	8/31/22 09:40	8/31/22 09:40			0.33	NTU			FA
Sulfide	8/31/22 09:40	8/31/22 09:40			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 09:45

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC16415

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 09:45

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC16415

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 09:45

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-15R

Laboratory ID Number: BC16415

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-30H

Location Code: WMWGASAP
Collected: 8/31/22 11:05
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16416

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 13:59	9/8/22 13:23		1.015	0.0465	mg/L	0.030000	0.1015	J
* Calcium, Total	9/1/22 13:59	9/8/22 14:29		10.15	91.9	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:23		1.015	0.908	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:23		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 13:59	9/8/22 13:23		1.015	39.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:23		1	12.7	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:23		1.015	5.93	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:23		1.015	28.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Dissolved	9/1/22 12:18	9/2/22 11:49		1.015	0.0509	mg/L	0.030000	0.1015	J
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:38		10.15	93.0	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 11:49		1.015	0.821	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 12:18	9/2/22 11:49		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 11:49		1.015	39.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 11:49		1	13.0	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 11:49		1.015	6.06	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 11:49		1.015	25.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.00428	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.0742	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.000285	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.00121	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.237	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.00223	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:30		1.015	0.783	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-30H

Location Code: WMWGASAP
Collected: 8/31/22 11:05
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16416

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:30		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.00362	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.0694	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.000250	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.00120	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.0000839	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.235	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.00213	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	0.795	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:50		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:00	9/12/22 13:00		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	330	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	411	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	329	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	0.96	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 18:16	9/8/22 18:16		1	1.43	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-30H

Location Code: WMWGASAP

Collected: 8/31/22 11:05

Customer ID:

Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16416

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:51	9/7/22 09:51		4	28.9	mg/L	2.00	4	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:14	9/7/22 12:14		1	0.131	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:19	9/14/22 12:19		1	25.9	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/31/22 11:01	8/31/22 11:01			718.92	uS/cm			FA
pH	8/31/22 11:01	8/31/22 11:01			7.17	SU			FA
Temperature	8/31/22 11:01	8/31/22 11:01			20.74	C			FA
Turbidity	8/31/22 11:01	8/31/22 11:01			0.09	NTU			FA
Sulfide	8/31/22 11:01	8/31/22 11:01			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:05

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC16416

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:05

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC16416

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:05

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-30H

Laboratory ID Number: BC16416

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-31VR

Location Code: WMWGASAP
Collected: 8/31/22 14:25
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16417

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 13:26		1.015	0.142	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 13:59	9/8/22 14:32		10.15	50.8	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:26		1.015	0.0378	mg/L	0.008120	0.0406	J
* Lithium, Total	9/1/22 13:59	9/8/22 13:26		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 13:59	9/8/22 13:26		1.015	24.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:26		1	9.89	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:26		1.015	4.62	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:26		1.015	27.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 12:18	9/2/22 11:52		1.015	0.146	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:41		10.15	57.7	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 11:52		1.015	0.0317	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/1/22 12:18	9/2/22 11:52		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 11:52		1.015	25.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 11:52		1	10.4	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 11:52		1.015	4.86	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 11:52		1.015	26.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:34		1.015	0.0130	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 13:59	9/1/22 14:34		1.015	0.00581	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:34		1.015	0.0301	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 14:34		1.015	0.000297	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:34		1.015	0.0296	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:34		1.015	0.0382	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:34		1.015	1.04	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-31VR

Location Code: WMWGASAP
Collected: 8/31/22 14:25
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16417

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	0.00874	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	0.00543	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	0.0332	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	0.000231	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	0.0290	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	0.0314	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	1.03	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:54		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:02	9/12/22 13:02		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	208	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	284	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	206	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	1.61	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 18:39	9/8/22 18:39		1	2.20	mg/L	1.00	2	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-31VR

Location Code: WMWGASAP
Collected: 8/31/22 14:25
Customer ID:
Submittal Date: 9/1/22 08:40

Laboratory ID Number: BC16417

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:38	9/7/22 09:38		1	17.9	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:15	9/7/22 12:15		1	0.208	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:20	9/14/22 12:20		1	35.3	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	8/31/22 14:20	8/31/22 14:20			486.46	uS/cm			FA
pH	8/31/22 14:20	8/31/22 14:20			7.76	SU			FA
Temperature	8/31/22 14:20	8/31/22 14:20			24.73	C			FA
Turbidity	8/31/22 14:20	8/31/22 14:20			0.06	NTU			FA
Sulfide	8/31/22 14:20	8/31/22 14:20			3	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 14:25

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC16417

Sample	Analysis	Units	MB				Standard		Rec		Prec	Limit	
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec			Limit
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 14:25

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC16417

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 14:25

Customer ID:

Delivery Date: 9/1/22 08:40

Description: Gaston Ash Pond - MW-31VR

Laboratory ID Number: BC16417

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H

Location Code: WMWGASAP
Collected: 8/31/22 10:19
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16418

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 13:29		1.015	0.786	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 13:59	9/8/22 14:35		10.15	45.2	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:29		1.015	0.0502	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:29		1.015	0.146	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 13:59	9/8/22 13:29		1.015	17.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:29		1	4.75	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:29		1.015	2.22	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:29		1.015	20.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 12:18	9/2/22 11:56		1.015	0.804	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:45		10.15	47.7	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 11:56		1.015	0.0325	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/1/22 12:18	9/2/22 11:56		1.015	0.150	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 11:56		1.015	18.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 11:56		1	4.92	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 11:56		1.015	2.30	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 11:56		1.015	21.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 14:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.0896	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.00272	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.0350	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:37		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.000281	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.000205	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 13:59	9/1/22 14:37		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.0123	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.494	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:37		1.015	10.9	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H

Location Code: WMWGASAP
Collected: 8/31/22 10:19
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16418

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:37		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:37		1.015	0.000102	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.00263	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.0345	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.000240	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.000154	mg/L	0.000068	0.000203	J
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.0120	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.489	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	10.7	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:49		1.015	0.0000881	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/13/22 23:58		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:04	9/12/22 13:04		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	58.0	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	298	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	57.1	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	0.79	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 18:59	9/8/22 18:59		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-28H

Location Code: WMWGASAP
Collected: 8/31/22 10:19
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16418

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:52	9/7/22 09:52		2	20.3	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:16	9/7/22 12:16		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:33	9/14/22 12:33		8	128	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/31/22 10:16	8/31/22 10:16			506.23	uS/cm			FA
pH	8/31/22 10:16	8/31/22 10:16			8.17	SU			FA
Temperature	8/31/22 10:16	8/31/22 10:16			21.32	C			FA
Turbidity	8/31/22 10:16	8/31/22 10:16			0.62	NTU			FA
Sulfide	8/31/22 10:16	8/31/22 10:16			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 10:19

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC16418

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 10:19

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC16418

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 10:19

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-28H

Laboratory ID Number: BC16418

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-29H

Location Code: WMWGASAP
Collected: 8/31/22 11:56
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16419

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 13:59	9/8/22 13:32		1.015	1.17	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 13:59	9/8/22 14:38		10.15	56.5	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:32		1.015	0.0613	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:32		1.015	0.315	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 13:59	9/8/22 13:32		1.015	19.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:32		1	4.49	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:32		1.015	2.10	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:32		1.015	29.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 12:18	9/2/22 11:59		1.015	1.20	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:48		10.15	55.7	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 11:59		1.015	0.0362	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/1/22 12:18	9/2/22 11:59		1.015	0.326	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 11:59		1.015	20.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 11:59		1	4.71	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 11:59		1.015	2.20	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 11:59		1.015	29.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 13:59	9/1/22 14:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:41		1.015	0.00626	mg/L	0.006090	0.01015	J
* Arsenic, Total	9/1/22 13:59	9/1/22 14:41		1.015	0.00217	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:41		1.015	0.0678	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:41		1.015	0.000134	mg/L	0.000068	0.000203	J
* Chromium, Total	9/1/22 13:59	9/1/22 14:41		1.015	0.000363	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 13:59	9/1/22 14:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:41		1.015	0.00279	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:41		1.015	1.08	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:41		1.015	15.2	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-29H

Location Code: WMWGASAP
Collected: 8/31/22 11:56
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16419

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	0.00222	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	0.0677	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	0.0000900	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	0.000212	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	0.00277	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	1.06	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	15.3	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:02		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:05	9/12/22 13:05		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	46.2	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/1/22 11:06	9/6/22 10:10		1	371	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	45.5	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	0.59	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 19:20	9/8/22 19:20		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-29H

Location Code: WMWGASAP
Collected: 8/31/22 11:56
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16419

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:53	9/7/22 09:53		3	32.8	mg/L	1.50	3	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:18	9/7/22 12:18		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:35	9/14/22 12:35		10	170	mg/L	6.0	20	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/31/22 11:53	8/31/22 11:53			628.10	uS/cm			FA
pH	8/31/22 11:53	8/31/22 11:53			8.32	SU			FA
Temperature	8/31/22 11:53	8/31/22 11:53			24.19	C			FA
Turbidity	8/31/22 11:53	8/31/22 11:53			0.74	NTU			FA
Sulfide	8/31/22 11:53	8/31/22 11:53			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:56

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC16419

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:56

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC16419

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:56

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-29H

Laboratory ID Number: BC16419

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16419	Solids, Dissolved	mg/L	1.00	25.0			370	53.0	40.0 to 60.0			0.270	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17V

Location Code: WMWGASAP
Collected: 8/31/22 13:28
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16420

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 13:35		1.015	2.03	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 13:59	9/8/22 14:42		10.15	91.6	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:35		1.015	0.0847	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:35		1.015	0.493	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 13:59	9/8/22 13:35		1.015	29.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:35		1	3.40	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:35		1.015	1.59	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:35		1.015	38.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 12:18	9/2/22 12:03		1.015	2.11	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:51		10.15	100	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 12:03		1.015	0.0586	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 12:18	9/2/22 12:03		1.015	0.536	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 12:03		1.015	30.8	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 12:03		1	3.51	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 12:03		1.015	1.64	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 12:03		1.015	38.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 14:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:44		1.015	0.0143	mg/L	0.006090	0.01015	
* Arsenic, Total	9/1/22 13:59	9/1/22 14:44		1.015	0.00134	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:44		1.015	0.0595	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:44		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:44		1.015	0.000160	mg/L	0.000068	0.000203	J
* Chromium, Total	9/1/22 13:59	9/1/22 14:44		1.015	0.000343	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 13:59	9/1/22 14:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:44		1.015	0.00786	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 15:27		5.075	2.12	mg/L	0.000508	0.001015	
* Potassium, Total	9/1/22 13:59	9/1/22 14:44		1.015	29.5	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17V

Location Code: WMWGASAP
Collected: 8/31/22 13:28
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16420

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:44		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:44		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	0.00660	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	0.00119	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	0.0570	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	0.000178	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	0.000264	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	0.00867	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 13:38		5.075	2.04	mg/L	0.000508	0.001015	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	30.1	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:56		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:06		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:07	9/12/22 13:07		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	40.9	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/2/22 09:45	9/6/22 13:20		1	588	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	40.3	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	0.55	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 19:45	9/8/22 19:45		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17V

Location Code: WMWGASAP
Collected: 8/31/22 13:28
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16420

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:55	9/7/22 09:55		10	70.2	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:19	9/7/22 12:19		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:36	9/14/22 12:36		16	268	mg/L	9.6	32	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/31/22 13:25	8/31/22 13:25			920.77	uS/cm			FA
pH	8/31/22 13:25	8/31/22 13:25			8.27	SU			FA
Temperature	8/31/22 13:25	8/31/22 13:25			24.42	C			FA
Turbidity	8/31/22 13:25	8/31/22 13:25			0.76	NTU			FA
Sulfide	8/31/22 13:25	8/31/22 13:25			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 13:28

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC16420

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 13:28

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC16420

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 13:28

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-17V

Laboratory ID Number: BC16420

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16424	Solids, Dissolved	mg/L	1.00	25.0			173	54.0	40.0 to 60.0			0.576	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17SV

Location Code: WMWGASAP
Collected: 8/31/22 14:37
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16421

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 13:39		1.015	2.55	mg/L	0.030000	0.1015	
* Calcium, Total	9/1/22 13:59	9/8/22 14:45		10.15	147	mg/L	0.70035	4.06	
* Iron, Total	9/1/22 13:59	9/8/22 13:39		1.015	0.364	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:39		1.015	0.242	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/1/22 13:59	9/8/22 13:39		1.015	22.5	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:39		1	6.31	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:39		1.015	2.95	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:39		1.015	37.7	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 12:18	9/2/22 12:06		1.015	2.61	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:55		10.15	142	mg/L	0.70035	4.06	
* Iron, Dissolved	9/1/22 12:18	9/2/22 12:06		1.015	0.374	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 12:18	9/2/22 12:06		1.015	0.255	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 12:06		1.015	23.8	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 12:06		1	6.63	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 12:06		1.015	3.10	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 12:06		1.015	39.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 14:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:48		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.00203	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.101	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:48		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.0000791	mg/L	0.000068	0.000203	J
* Chromium, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.000336	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.00155	mg/L	0.000068	0.000203	
* Lead, Total	9/1/22 13:59	9/1/22 14:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.669	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:48		1.015	1.13	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:48		1.015	20.6	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17SV

Location Code: WMWGASAP

Collected: 8/31/22 14:37

Customer ID:

Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16421

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:48		1.015	0.000135	mg/L	0.000068	0.000203	J
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.00197	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.0998	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.0000919	mg/L	0.000068	0.000203	J
* Chromium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.000209	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.00159	mg/L	0.000068	0.000203	
* Lead, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.677	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	1.12	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	20.6	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 12:59		1.015	0.000107	mg/L	0.000068	0.000203	J
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:10		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:09	9/12/22 13:09		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	41.2	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/2/22 09:45	9/6/22 13:20		1	682	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	40.9	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	Not Detected	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 20:06	9/8/22 20:06		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-17SV

Location Code: WMWGASAP
Collected: 8/31/22 14:37
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16421

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:56	9/7/22 09:56		10	84.6	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:20	9/7/22 12:20		1	0.0679	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:37	9/14/22 12:37		25	307	mg/L	15.0	50	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	8/31/22 14:34	8/31/22 14:34			1023.22	uS/cm			FA
pH	8/31/22 14:34	8/31/22 14:34			7.66	SU			FA
Temperature	8/31/22 14:34	8/31/22 14:34			21.90	C			FA
Turbidity	8/31/22 14:34	8/31/22 14:34			1.85	NTU			FA
Sulfide	8/31/22 14:34	8/31/22 14:34			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 14:37

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC16421

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 14:37

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC16421

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16421	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00402	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.249	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 14:37

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-17SV

Laboratory ID Number: BC16421

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16424	Solids, Dissolved	mg/L	1.00	25.0			173	54.0	40.0 to 60.0			0.576	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-9

Location Code: WMWGASAP
Collected: 8/31/22 11:22
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16422

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/1/22 13:59	9/8/22 13:42		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 13:59	9/8/22 13:42		1.015	29.9	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 13:59	9/8/22 13:42		1.015	0.326	mg/L	0.008120	0.0406	
* Lithium, Total	9/1/22 13:59	9/8/22 13:42		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 13:59	9/8/22 13:42		1.015	14.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:42		1	9.80	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 13:42		1.015	4.58	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 13:42		1.015	35.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	32.8	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	0.304	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	15.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 12:09		1	10.4	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	4.86	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 12:09		1.015	35.8	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 13:59	9/1/22 14:52		1.015	0.00274	mg/L	0.000081	0.000203	
* Barium, Total	9/1/22 13:59	9/1/22 14:52		1.015	0.114	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 14:52		1.015	0.000286	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 14:52		1.015	0.105	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:52		1.015	0.00128	mg/L	0.000102	0.000203	
* Potassium, Total	9/1/22 13:59	9/1/22 14:52		1.015	0.519	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-9

Location Code: WMWGASAP
Collected: 8/31/22 11:22
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16422

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	0.00259	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	0.114	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	0.000266	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	0.105	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	0.00126	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	0.509	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 13:03		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:29		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:11	9/12/22 13:11		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	178	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/2/22 09:45	9/6/22 13:20		1	210	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	176	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.39	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 20:27	9/8/22 20:27		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-9

Location Code: WMWGASAP
Collected: 8/31/22 11:22
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16422

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:44	9/7/22 09:44		1	8.10	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:21	9/7/22 12:21		1	0.089	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:26	9/14/22 12:26		1	18.7	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	8/31/22 11:19	8/31/22 11:19			377.24	uS/cm			FA
pH	8/31/22 11:19	8/31/22 11:19			7.74	SU			FA
Temperature	8/31/22 11:19	8/31/22 11:19			26.58	C			FA
Turbidity	8/31/22 11:19	8/31/22 11:19			0.28	NTU			FA
Sulfide	8/31/22 11:19	8/31/22 11:19			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:22

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC16422

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:22

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC16422

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 11:22

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-9

Laboratory ID Number: BC16422

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16424	Solids, Dissolved	mg/L	1.00	25.0			173	54.0	40.0 to 60.0			0.576	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-8

Location Code: WMWGASAP
Collected: 8/31/22 13:15
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16423

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Total	9/1/22 13:59	9/8/22 13:45		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	9/1/22 13:59	9/8/22 14:48		10.15	64.0	mg/L	0.70035	4.06	RA	
* Iron, Total	9/1/22 13:59	9/8/22 13:45		1.015	0.643	mg/L	0.008120	0.0406		
* Lithium, Total	9/1/22 13:59	9/8/22 13:45		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	9/1/22 13:59	9/8/22 13:45		1.015	25.1	mg/L	0.021315	0.406		
Silica, Total (calc.)	9/1/22 13:59	9/8/22 13:45		1	9.91	mg/L				
Silicon, Total	9/1/22 13:59	9/8/22 13:45		1.015	4.63	mg/L	0.02030	0.25375		
* Sodium, Total	9/1/22 13:59	9/8/22 13:45		1.015	17.4	mg/L	0.03045	0.406		
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Dissolved	9/1/22 12:18	9/2/22 12:13		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:58		10.15	58.2	mg/L	0.70035	4.06		
* Iron, Dissolved	9/1/22 12:18	9/2/22 12:13		1.015	0.640	mg/L	0.008120	0.0406		
* Lithium, Dissolved	9/1/22 12:18	9/2/22 12:13		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 12:13		1.015	26.2	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 12:13		1	10.5	mg/L				
Silicon, Dissolved	9/1/22 12:18	9/2/22 12:13		1.015	4.92	mg/L	0.02030	0.25375		
* Sodium, Dissolved	9/1/22 12:18	9/2/22 12:13		1.015	18.4	mg/L	0.03045	0.406		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	9/1/22 13:59	9/1/22 14:55		1.015	0.00113	mg/L	0.000081	0.000203		
* Barium, Total	9/1/22 13:59	9/1/22 14:55		1.015	0.0180	mg/L	0.000508	0.001015		
* Beryllium, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	9/1/22 13:59	9/1/22 14:55		1.015	0.000367	mg/L	0.000203	0.001015	J	
* Cobalt, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	9/1/22 13:59	9/1/22 14:55		1.015	0.0245	mg/L	0.000152	0.001015		
* Molybdenum, Total	9/1/22 13:59	9/1/22 14:55		1.015	0.000733	mg/L	0.000102	0.000203		
* Potassium, Total	9/1/22 13:59	9/1/22 14:55		1.015	0.318	mg/L	0.169505	0.5075	J	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-8

Location Code: WMWGASAP
Collected: 8/31/22 13:15
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16423

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/1/22 13:59	9/1/22 14:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	0.00105	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	0.0179	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	0.000271	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	0.0245	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	0.000681	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	0.316	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 13:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:33		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:13	9/12/22 13:13		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	249	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/2/22 09:45	9/6/22 13:20		1	246	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	247	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	1.93	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 20:45	9/8/22 20:45		1	2.15	mg/L	1.00	2	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-8

Location Code: WMWGASAP
Collected: 8/31/22 13:15
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16423

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:45	9/7/22 09:45		1	2.97	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:22	9/7/22 12:22		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:27	9/14/22 12:27		1	1.14	mg/L	0.6	2	J
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	8/31/22 13:12	8/31/22 13:12			460.09	uS/cm			FA
pH	8/31/22 13:12	8/31/22 13:12			7.44	SU			FA
Temperature	8/31/22 13:12	8/31/22 13:12			30.40	C			FA
Turbidity	8/31/22 13:12	8/31/22 13:12			0.98	NTU			FA
Sulfide	8/31/22 13:12	8/31/22 13:12			1	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 13:15

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC16423

Sample	Analysis	Units	MB				Standard		Rec		Prec	Limit	
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec			Limit
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16423	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.0992	0.102	0.0992	0.0850 to 0.115	99.2	70.0 to 130	2.78	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16423	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0995	0.104	0.0940	0.0850 to 0.115	99.5	70.0 to 130	4.42	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16423	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.104	0.102	0.0850 to 0.115	101	70.0 to 130	1.94	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16423	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.124	0.128	0.104	0.0850 to 0.115	106	70.0 to 130	3.17	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16423	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.107	0.110	0.110	0.0850 to 0.115	107	70.0 to 130	2.76	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16423	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.00	1.02	0.985	0.850 to 1.15	100	70.0 to 130	1.98	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16423	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.102	0.104	0.100	0.0850 to 0.115	102	70.0 to 130	1.94	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16423	Calcium, Total	mg/L	0.00178	0.152	5.00	61.1	65.3	4.99	4.25 to 5.75	-58.0	70.0 to 130	6.65	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16423	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0984	0.0989	0.0977	0.0850 to 0.115	98.0	70.0 to 130	0.507	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16423	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0952	0.0973	0.0974	0.0850 to 0.115	95.2	70.0 to 130	2.18	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16423	Iron, Total	mg/L	0.0005	0.0176	0.2	0.822	0.834	0.197	0.170 to 0.230	89.5	70.0 to 130	1.45	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 13:15

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC16423

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16423	Lead, Total	mg/L	0.000055	0.000147	0.100	0.106	0.105	0.107	0.0850 to 0.115	106	70.0 to 130	0.948	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16423	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.202	0.206	0.201	0.170 to 0.230	101	70.0 to 130	1.96	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16423	Magnesium, Total	mg/L	0.0120	0.0462	5.00	29.6	29.7	5.02	4.25 to 5.75	90.0	70.0 to 130	0.337	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16423	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.123	0.125	0.101	0.0850 to 0.115	98.5	70.0 to 130	1.61	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16423	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.102	0.0996	0.0850 to 0.115	100	70.0 to 130	0.985	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16423	Potassium, Total	mg/L	0.0166	0.367	10.0	10.2	10.3	10.1	8.50 to 11.5	98.8	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16423	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.101	0.101	0.102	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16423	Silicon, Total	mg/L	0.000237	0.0440	1.00	5.58	5.68	1.00	0.850 to 1.15	95.0	70.0 to 130	1.78	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16423	Sodium, Total	mg/L	0.00034	0.0660	5.00	21.8	22.2	5.01	4.25 to 5.75	88.0	70.0 to 130	1.82	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16423	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.105	0.107	0.109	0.0850 to 0.115	105	70.0 to 130	1.89	20.0
BC16423	Total Organic Carbon	mg/L	0.432	1.00	10.0	11.4	12.1	10.3		92.5	80.0 to 120	5.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 13:15

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-8

Laboratory ID Number: BC16423

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16423	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	1.99	-0.009	1.87	1.80 to 2.20	99.5	90.0 to 110	0.00	15.0
BC16424	Solids, Dissolved	mg/L	1.00	25.0			173	54.0	40.0 to 60.0			0.576	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-10

Location Code: WMWGASAP
Collected: 8/31/22 15:43
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16424

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/1/22 13:59	9/8/22 14:01		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/1/22 13:59	9/8/22 14:01		1.015	36.4	mg/L	0.070035	0.406	
* Iron, Total	9/1/22 13:59	9/8/22 14:01		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/1/22 13:59	9/8/22 14:01		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/1/22 13:59	9/8/22 14:01		1.015	20.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/1/22 13:59	9/8/22 14:01		1	8.65	mg/L			
Silicon, Total	9/1/22 13:59	9/8/22 14:01		1.015	4.04	mg/L	0.02030	0.25375	
* Sodium, Total	9/1/22 13:59	9/8/22 14:01		1.015	2.41	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	39.8	mg/L	0.070035	0.406	
* Iron, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	21.4	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/1/22 12:18	9/2/22 12:16		1	9.18	mg/L			
Silicon, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	4.29	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/1/22 12:18	9/2/22 12:16		1.015	2.41	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.000173	mg/L	0.000081	0.000203	J
* Barium, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.0138	mg/L	0.000508	0.001015	
* Beryllium, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.000378	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.000969	mg/L	0.000152	0.001015	J
* Molybdenum, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.000158	mg/L	0.000102	0.000203	J
* Potassium, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.238	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-10

Location Code: WMWGASAP
Collected: 8/31/22 15:43
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16424

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/1/22 13:59	9/1/22 15:17		1.015	0.000532	mg/L	0.000508	0.001015	J
* Thallium, Total	9/1/22 13:59	9/1/22 15:17		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	0.000174	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	0.0133	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	0.000279	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	0.000771	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	0.000249	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	0.214	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/1/22 12:18	9/1/22 13:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:37		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:22	9/12/22 13:22		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	170	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/2/22 09:45	9/6/22 13:20		1	174	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	167	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.44	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 22:24	9/8/22 22:24		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-10

Location Code: WMWGASAP
Collected: 8/31/22 15:43
Customer ID:
Submittal Date: 9/1/22 08:41

Laboratory ID Number: BC16424

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/7/22 09:46	9/7/22 09:46		1	2.43	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/7/22 12:24	9/7/22 12:24		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 12:29	9/14/22 12:29		1	3.78	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	8/31/22 15:39	8/31/22 15:39			290.69	uS/cm			FA
pH	8/31/22 15:39	8/31/22 15:39			7.25	SU			FA
Temperature	8/31/22 15:39	8/31/22 15:39			24.81	C			FA
Turbidity	8/31/22 15:39	8/31/22 15:39			0.03	NTU			FA
Sulfide	8/31/22 15:39	8/31/22 15:39			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 15:43

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC16424

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Aluminum, Dissolved	mg/L	-0.00319	0.010	0.100	0.0994	0.102	0.0954	0.0850 to 0.115	99.4	70.0 to 130	2.58	20.0
BC16424	Aluminum, Total	mg/L	-0.00243	0.010	0.100	0.101	0.0989	0.0992	0.0850 to 0.115	101	70.0 to 130	2.10	20.0
BC16424	Antimony, Dissolved	mg/L	0.000375	0.00100	0.100	0.0901	0.0906	0.0913	0.0850 to 0.115	90.1	70.0 to 130	0.553	20.0
BC16424	Antimony, Total	mg/L	0.000540	0.00100	0.100	0.0945	0.0936	0.0940	0.0850 to 0.115	94.5	70.0 to 130	0.957	20.0
BC16424	Arsenic, Dissolved	mg/L	-0.0000328	0.000176	0.100	0.102	0.100	0.100	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16424	Arsenic, Total	mg/L	-0.0000307	0.000176	0.100	0.102	0.100	0.102	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16424	Barium, Dissolved	mg/L	-0.0000264	0.00100	0.100	0.116	0.117	0.103	0.0850 to 0.115	103	70.0 to 130	0.858	20.0
BC16424	Barium, Total	mg/L	-0.0000014	0.00100	0.100	0.117	0.117	0.104	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16424	Beryllium, Dissolved	mg/L	0.0000268	0.000880	0.100	0.0973	0.0979	0.0991	0.0850 to 0.115	97.3	70.0 to 130	0.615	20.0
BC16424	Beryllium, Total	mg/L	0.0000190	0.000880	0.100	0.110	0.111	0.110	0.0850 to 0.115	110	70.0 to 130	0.905	20.0
BC16424	Boron, Dissolved	mg/L	0.00149	0.0650	1.00	1.06	1.04	0.996	0.850 to 1.15	106	70.0 to 130	1.90	20.0
BC16424	Boron, Total	mg/L	-0.000833	0.0650	1.00	1.02	1.01	0.985	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC16424	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.101	0.0980	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Cadmium, Total	mg/L	0.0000044	0.000147	0.100	0.101	0.100	0.100	0.0850 to 0.115	101	70.0 to 130	0.995	20.0
BC16424	Calcium, Dissolved	mg/L	0.00126	0.152	5.00	45.5	45.5	5.14	4.25 to 5.75	114	70.0 to 130	0.00	20.0
BC16424	Calcium, Total	mg/L	0.00178	0.152	5.00	42.2	42.0	4.99	4.25 to 5.75	116	70.0 to 130	0.475	20.0
BC16424	Chloride	mg/L	0.180	1.00	10.0	12.5	12.5	9.17	9.00 to 11.0	101	80.0 to 120	0.00	20.0
BC16424	Chromium, Dissolved	mg/L	0.0000602	0.000440	0.100	0.0985	0.0996	0.0980	0.0850 to 0.115	98.2	70.0 to 130	1.11	20.0
BC16424	Chromium, Total	mg/L	0.0000983	0.000440	0.100	0.0976	0.0952	0.0977	0.0850 to 0.115	97.2	70.0 to 130	2.49	20.0
BC16424	Cobalt, Dissolved	mg/L	-0.0000849	0.000147	0.100	0.0970	0.0976	0.0975	0.0850 to 0.115	97.0	70.0 to 130	0.617	20.0
BC16424	Cobalt, Total	mg/L	-0.0000848	0.000147	0.100	0.0960	0.0936	0.0974	0.0850 to 0.115	96.0	70.0 to 130	2.53	20.0
BC16424	Fluoride	mg/L	-0.0369	0.125	2.50	2.66	2.71	2.65	2.25 to 2.75	106	80.0 to 120	1.86	20.0
BC16424	Iron, Dissolved	mg/L	0.00277	0.0176	0.2	0.211	0.208	0.204	0.170 to 0.230	106	70.0 to 130	1.43	20.0
BC16424	Iron, Total	mg/L	0.0005	0.0176	0.2	0.197	0.197	0.197	0.170 to 0.230	98.5	70.0 to 130	0.00	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 8/31/22 15:43
Customer ID:
Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC16424

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16424	Lead, Dissolved	mg/L	0.0000072	0.000147	0.100	0.107	0.106	0.104	0.0850 to 0.115	107	70.0 to 130	0.939	20.0
BC16424	Lead, Total	mg/L	0.0000055	0.000147	0.100	0.103	0.104	0.107	0.0850 to 0.115	103	70.0 to 130	0.966	20.0
BC16424	Lithium, Dissolved	mg/L	0.000183	0.0154	0.200	0.216	0.215	0.203	0.170 to 0.230	108	70.0 to 130	0.464	20.0
BC16424	Lithium, Total	mg/L	0.000219	0.0154	0.200	0.209	0.206	0.201	0.170 to 0.230	104	70.0 to 130	1.45	20.0
BC16424	Magnesium, Dissolved	mg/L	0.00373	0.0462	5.00	26.9	26.9	5.16	4.25 to 5.75	110	70.0 to 130	0.00	20.0
BC16424	Magnesium, Total	mg/L	0.0120	0.0462	5.00	25.3	25.2	5.02	4.25 to 5.75	102	70.0 to 130	0.396	20.0
BC16424	Manganese, Dissolved	mg/L	0.0000031	0.00033	0.100	0.101	0.101	0.0995	0.0850 to 0.115	100	70.0 to 130	0.00	20.0
BC16424	Manganese, Total	mg/L	0.0000100	0.00033	0.100	0.101	0.0979	0.101	0.0850 to 0.115	100	70.0 to 130	3.12	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16424	Molybdenum, Dissolved	mg/L	0.0000046	0.0002	0.100	0.100	0.100	0.0980	0.0850 to 0.115	99.8	70.0 to 130	0.00	20.0
BC16424	Molybdenum, Total	mg/L	0.0000368	0.0002	0.100	0.101	0.101	0.0996	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16424	Potassium, Dissolved	mg/L	0.0174	0.367	10.0	10.3	10.2	9.94	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16424	Potassium, Total	mg/L	0.0166	0.367	10.0	10.3	10.2	10.1	8.50 to 11.5	101	70.0 to 130	0.976	20.0
BC16424	Selenium, Dissolved	mg/L	0.0000210	0.00100	0.100	0.102	0.101	0.0985	0.0850 to 0.115	102	70.0 to 130	0.985	20.0
BC16424	Selenium, Total	mg/L	0.0000133	0.00100	0.100	0.100	0.0976	0.102	0.0850 to 0.115	99.5	70.0 to 130	2.43	20.0
BC16424	Silicon, Dissolved	mg/L	0.00125	0.0440	1.00	5.27	5.23	1.02	0.850 to 1.15	98.0	70.0 to 130	0.762	20.0
BC16424	Silicon, Total	mg/L	0.000237	0.0440	1.00	4.98	4.96	1.00	0.850 to 1.15	94.0	70.0 to 130	0.402	20.0
BC16424	Sodium, Dissolved	mg/L	-0.000589	0.0660	5.00	7.97	7.92	5.06	4.25 to 5.75	111	70.0 to 130	0.629	20.0
BC16424	Sodium, Total	mg/L	0.00034	0.0660	5.00	7.58	7.49	5.01	4.25 to 5.75	103	70.0 to 130	1.19	20.0
BC16424	Sulfate	mg/L	-0.168	2.0	20.0	23.4	23.3	19.0	18.0 to 22.0	98.1	80.0 to 120	0.428	20.0
BC16424	Thallium, Dissolved	mg/L	-0.000102	0.000147	0.100	0.105	0.102	0.101	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16424	Thallium, Total	mg/L	-0.000105	0.000147	0.100	0.104	0.105	0.109	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 8/31/22 15:43

Customer ID:

Delivery Date: 9/1/22 08:41

Description: Gaston Ash Pond - MW-10

Laboratory ID Number: BC16424

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16424	Solids, Dissolved	mg/L	1.00	25.0			173	54.0	40.0 to 60.0			0.576	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-37V

Location Code: WMWGASAP
Collected: 9/6/22 09:45
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16784

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:07		1.015	0.410	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 10:07		1.015	39.8	mg/L	0.070035	0.406	
* Iron, Total	9/8/22 12:19	9/9/22 10:07		1.015	0.117	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:07		1.015	0.0431	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/8/22 12:19	9/9/22 10:07		1.015	19.1	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:07		1	6.96	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:07		1.015	3.25	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:07		1.015	22.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	0.409	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	39.3	mg/L	0.070035	0.406	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	0.110	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	0.0429	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	18.9	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:10		1	6.93	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	3.24	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:10		1.015	22.2	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 13:35		1.015	0.000657	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 13:35		1.015	0.0376	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 13:35		1.015	0.000253	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 13:35		1.015	0.00649	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:35		1.015	0.156	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 13:35		1.015	2.68	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-37V

Location Code: WMWGASAP

Collected: 9/6/22 09:45

Customer ID:

Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16784

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:35		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	0.000665	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	0.0360	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	0.00630	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	0.152	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	2.55	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/8/22 11:25	9/8/22 11:41		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:41		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:24	9/12/22 13:24		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	110	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	249	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	109	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	1.35	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 22:46	9/8/22 22:46		1	1.21	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-37V

Location Code: WMWGASAP
Collected: 9/6/22 09:45
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16784

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 10:58	9/12/22 10:58		1	14.3	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:49	9/12/22 12:49		1	0.235	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 14:23	9/14/22 14:23		4	84.7	mg/L	2.4	8	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	9/6/22 09:42	9/6/22 09:42			448.76	uS/cm			FA
pH	9/6/22 09:42	9/6/22 09:42			7.96	SU			FA
Temperature	9/6/22 09:42	9/6/22 09:42			22.36	C			FA
Turbidity	9/6/22 09:42	9/6/22 09:42			0.77	NTU			FA
Sulfide	9/6/22 09:42	9/6/22 09:42			1.0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 09:45

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC16784

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 09:45

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC16784

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.0000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.0000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 09:45

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-37V

Laboratory ID Number: BC16784

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16787	Solids, Dissolved	mg/L	1.00	25.0			318	49.0	40.0 to 60.0			1.58	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-32V

Location Code: WMWGASAP
Collected: 9/6/22 11:13
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16785

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/8/22 12:19	9/9/22 10:10		1.015	0.409	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 11:20		10.15	67.1	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 10:10		1.015	0.0274	mg/L	0.008120	0.0406	J
* Lithium, Total	9/8/22 12:19	9/9/22 10:10		1.015	0.0659	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/8/22 12:19	9/9/22 10:10		1.015	23.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:10		1	13.6	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:10		1.015	6.35	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 11:20		10.15	69.8	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:13		1.015	0.410	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 10:55		10.15	56.4	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:13		1.015	0.0194	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:13		1.015	0.0648	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:13		1.015	23.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:13		1	12.9	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:13		1.015	6.04	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/12/22 10:55		10.15	54.1	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 13:39		1.015	0.00817	mg/L	0.006090	0.01015	J
* Arsenic, Total	9/8/22 12:19	9/8/22 13:39		1.015	0.00679	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 13:39		1.015	0.0622	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 13:39		1.015	0.000276	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 13:39		1.015	0.134	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:39		1.015	0.0260	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 13:39		1.015	4.78	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-32V

Location Code: WMWGASAP
Collected: 9/6/22 11:13
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16785

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	0.00635	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	0.00439	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	0.0688	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	0.135	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	0.0267	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	4.49	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	0.00231	mg/L	0.000508	0.001015	
* Thallium, Dissolved	9/8/22 11:25	9/8/22 11:45		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:45		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:26	9/12/22 13:26		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	144	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	398	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	143	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	0.63	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 23:08	9/8/22 23:08		1	1.91	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-32V

Location Code: WMWGASAP

Collected: 9/6/22 11:13

Customer ID:

Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16785

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:12	9/12/22 11:12		2	30.3	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:51	9/12/22 12:51		1	0.165	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 14:24	9/14/22 14:24		8	132	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	9/6/22 11:10	9/6/22 11:10			703.69	uS/cm			FA
pH	9/6/22 11:10	9/6/22 11:10			7.83	SU			FA
Temperature	9/6/22 11:10	9/6/22 11:10			23.90	C			FA
Turbidity	9/6/22 11:10	9/6/22 11:10			0.88	NTU			FA
Sulfide	9/6/22 11:10	9/6/22 11:10			3.0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 11:13

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC16785

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 11:13

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC16785

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 11:13

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-32V

Laboratory ID Number: BC16785

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16787	Solids, Dissolved	mg/L	1.00	25.0			318	49.0	40.0 to 60.0			1.58	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-36V

Location Code: WMWGASAP
Collected: 9/6/22 13:44
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16786

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Total	9/8/22 12:19	9/9/22 10:13		1.015	0.144	mg/L	0.030000	0.1015		
* Calcium, Total	9/8/22 12:19	9/9/22 10:13		1.015	26.3	mg/L	0.070035	0.406		
* Iron, Total	9/8/22 12:19	9/9/22 10:13		1.015	0.0198	mg/L	0.008120	0.0406	J	
* Lithium, Total	9/8/22 12:19	9/9/22 10:13		1.015	0.0163	mg/L	0.007105	0.01999956	J	
* Magnesium, Total	9/8/22 12:19	9/9/22 10:13		1.015	20.4	mg/L	0.021315	0.406		
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:13		1	6.96	mg/L				
Silicon, Total	9/8/22 12:19	9/9/22 10:13		1.015	3.25	mg/L	0.02030	0.25375		
* Sodium, Total	9/8/22 12:19	9/9/22 11:23		10.15	173	mg/L	0.3045	4.06		
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:16		1.015	0.145	mg/L	0.030000	0.1015		
* Calcium, Dissolved	9/8/22 11:25	9/9/22 12:16		1.015	25.4	mg/L	0.070035	0.406		
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:16		1.015	0.0141	mg/L	0.008120	0.0406	J	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:16		1.015	0.0160	mg/L	0.007105	0.01999956	J	
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:16		1.015	19.8	mg/L	0.021315	0.406		
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:16		1	6.98	mg/L				
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:16		1.015	3.26	mg/L	0.02030	0.25375		
* Sodium, Dissolved	9/8/22 11:25	9/12/22 10:58		10.15	143	mg/L	0.3045	4.06		
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	9/8/22 12:19	9/8/22 13:42		1.015	0.00721	mg/L	0.006090	0.01015	J	
* Arsenic, Total	9/8/22 12:19	9/8/22 13:42		1.015	0.00268	mg/L	0.000081	0.000203		
* Barium, Total	9/8/22 12:19	9/8/22 13:42		1.015	0.0855	mg/L	0.000508	0.001015		
* Beryllium, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000203	0.001015	U	
* Cobalt, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	9/8/22 12:19	9/8/22 13:42		1.015	0.0378	mg/L	0.000152	0.001015		
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:42		1.015	0.0437	mg/L	0.000102	0.000203		
* Potassium, Total	9/8/22 12:19	9/8/22 13:42		1.015	46.4	mg/L	0.169505	0.5075		

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-36V

Location Code: WMWGASAP
Collected: 9/6/22 13:44
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16786

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	0.00241	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	0.0925	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	0.0377	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	0.0412	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	45.0	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	0.00175	mg/L	0.000508	0.001015	
* Thallium, Dissolved	9/8/22 11:25	9/8/22 11:48		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:49		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:28	9/12/22 13:28		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	217	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	584	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	215	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	2.16	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 23:28	9/8/22 23:28		1	6.08	mg/L	1.00	2	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-36V

Location Code: WMWGASAP

Collected: 9/6/22 13:44

Customer ID:

Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16786

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:13	9/12/22 11:13		10	123	mg/L	5.00	10	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:52	9/12/22 12:52		1	0.421	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 14:26	9/14/22 14:26		8	155	mg/L	4.8	16	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	9/6/22 13:41	9/6/22 13:41			1178.64	uS/cm			FA
pH	9/6/22 13:41	9/6/22 13:41			7.96	SU			FA
Temperature	9/6/22 13:41	9/6/22 13:41			24.02	C			FA
Turbidity	9/6/22 13:41	9/6/22 13:41			0.24	NTU			FA
Sulfide	9/6/22 13:41	9/6/22 13:41			2.0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 13:44

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC16786

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 13:44

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC16786

Sample	Analysis	Units	MB				Standard			Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.0000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.0000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 13:44

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-36V

Laboratory ID Number: BC16786

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16787	Solids, Dissolved	mg/L	1.00	25.0			318	49.0	40.0 to 60.0			1.58	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-33V

Location Code: WMWGASAP
Collected: 9/6/22 15:16
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16787

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:16		1.015	0.137	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 11:26		10.15	53.5	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 10:16		1.015	0.0633	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:16		1.015	0.0726	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/8/22 12:19	9/9/22 10:16		1.015	24.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:16		1	14.9	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:16		1.015	6.96	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 11:26		10.15	58.4	mg/L	0.3045	4.06	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:20		1.015	0.154	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:01		10.15	55.2	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:20		1.015	0.0172	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:20		1.015	0.0777	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:20		1.015	23.7	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:20		1	14.3	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:20		1.015	6.68	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/12/22 11:01		10.15	50.5	mg/L	0.3045	4.06	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 13:46		1.015	0.0102	mg/L	0.006090	0.01015	
* Arsenic, Total	9/8/22 12:19	9/8/22 13:46		1.015	0.0122	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 13:46		1.015	0.0629	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 13:46		1.015	0.000279	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 13:46		1.015	0.0868	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:46		1.015	0.00837	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 13:46		1.015	4.86	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-33V

Location Code: WMWGASAP
Collected: 9/6/22 15:16
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16787

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:46		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	0.00773	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	0.0103	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	0.0674	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	0.0940	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	0.00473	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	5.49	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	0.00153	mg/L	0.000508	0.001015	
* Thallium, Dissolved	9/8/22 11:25	9/8/22 11:52		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:53		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:29	9/12/22 13:29		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/12/22 12:45	9/12/22 15:43		1	254	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	313	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	251	mg/L			
Carbonate Alkalinity, (calc.)	9/12/22 12:45	9/12/22 15:43		1	3.40	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/8/22 23:46	9/8/22 23:46		1	3.02	mg/L	1.00	2	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-33V

Location Code: WMWGASAP

Collected: 9/6/22 15:16

Customer ID:

Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16787

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:14	9/12/22 11:14		2	23.9	mg/L	1.00	2	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:53	9/12/22 12:53		1	0.245	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 13:36	9/14/22 13:36		1	25.9	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	9/6/22 15:12	9/6/22 15:12			614.33	uS/cm			FA
pH	9/6/22 15:12	9/6/22 15:12			7.65	SU			FA
Temperature	9/6/22 15:12	9/6/22 15:12			22.63	C			FA
Turbidity	9/6/22 15:12	9/6/22 15:12			0.72	NTU			FA
Sulfide	9/6/22 15:12	9/6/22 15:12			1.0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 15:16

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC16787

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 15:16

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC16787

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 15:16

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-33V

Laboratory ID Number: BC16787

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16787	Alkalinity to pH 4.5	mg CaCO3/L					256	50.2	45.0 to 55.0			0.784	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16787	Solids, Dissolved	mg/L	1.00	25.0			318	49.0	40.0 to 60.0			1.58	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Equipment Blank-1

Location Code: WMWGASAPEB
Collected: 9/7/22 07:20
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16788

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.070035	0.406	U
* Iron, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.021315	0.406	U
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:20		1	Not Detected	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.02030	0.25375	U
* Sodium, Total	9/8/22 12:19	9/9/22 10:20		1.015	Not Detected	mg/L	0.03045	0.406	U
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000081	0.000203	U
* Barium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Beryllium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000102	0.000203	U
* Potassium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.169505	0.5075	U
* Selenium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:49		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1			Analyst: CRB						
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 00:57		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2			Analyst: CES						
* Nitrogen, Nitrate/Nitrite	9/12/22 13:31	9/12/22 13:31		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2540C			Analyst: CNJ						
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	Not Detected	mg/L		25	U

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Equipment Blank-1

Location Code: WMWGASAPEB
Collected: 9/7/22 07:20
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16788

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 00:09	9/9/22 00:09		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:02	9/12/22 11:02		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:54	9/12/22 12:54		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 13:37	9/14/22 13:37		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPEB

Sample Date: 9/7/22 07:20

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond Equipment Blank-1

Laboratory ID Number: BC16788

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0
BC16793	Lead, Total	mg/L	0.0000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16793	Manganese, Total	mg/L	0.0000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPEB

Sample Date: 9/7/22 07:20

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond Equipment Blank-1

Laboratory ID Number: BC16788

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	Limit
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPEB

Sample Date: 9/7/22 07:20

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond Equipment Blank-1

Laboratory ID Number: BC16788

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16787	Solids, Dissolved	mg/L	1.00	25.0			318	49.0	40.0 to 60.0			1.58	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-34V

Location Code: WMWGASAP
Collected: 9/7/22 08:10
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16789

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:23		1.015	2.93	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 11:29		10.15	136	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 10:23		1.015	0.355	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:23		1.015	0.0355	mg/L	0.007105	0.01999956	
* Magnesium, Total	9/8/22 12:19	9/9/22 11:29		10.15	69.3	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:23		1	8.82	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:23		1.015	4.12	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:23		1.015	33.1	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:23		1.015	2.93	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:04		10.15	129	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:23		1.015	0.336	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:23		1.015	0.0359	mg/L	0.007105	0.01999956	
* Magnesium, Dissolved	9/8/22 11:25	9/12/22 11:04		10.15	65.4	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:23		1	8.82	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:23		1.015	4.12	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:23		1.015	33.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 13:53		1.015	0.00746	mg/L	0.006090	0.01015	J
* Arsenic, Total	9/8/22 12:19	9/8/22 13:53		1.015	0.00354	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 13:53		1.015	0.0345	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 13:53		1.015	0.0521	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:53		1.015	0.302	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 13:53		1.015	0.544	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-34V

Location Code: WMWGASAP
Collected: 9/7/22 08:10
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16789

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:53		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.00770	mg/L	0.006090	0.01015	J
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.00310	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.0376	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.0537	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.309	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.586	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	0.00111	mg/L	0.000508	0.001015	
* Thallium, Dissolved	9/8/22 11:25	9/8/22 11:55		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 01:01		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:33	9/12/22 13:33		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:19	9/20/22 10:59		1	81.9	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	802	mg/L		50	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	81.1	mg/L		1	A
Carbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	0.71	mg/L		0.5	A
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 00:27	9/9/22 00:27		1	1.70	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-34V

Location Code: WMWGASAP

Collected: 9/7/22 08:10

Customer ID:

Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16789

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:04	9/12/22 11:04		1	18.5	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:55	9/12/22 12:55		1	0.0807	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 14:27	9/14/22 14:27		25	471	mg/L	15.0	50	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	9/7/22 08:07	9/7/22 08:07			1041.03	uS/cm			FA
pH	9/7/22 08:07	9/7/22 08:07			7.45	SU			FA
Temperature	9/7/22 08:07	9/7/22 08:07			21.37	C			FA
Turbidity	9/7/22 08:07	9/7/22 08:07			0.69	NTU			FA
Sulfide	9/7/22 08:07	9/7/22 08:07			1.0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 08:10

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC16789

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 08:10

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC16789

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 08:10

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-34V

Laboratory ID Number: BC16789

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-35V

Location Code: WMWGASAP
Collected: 9/7/22 10:52
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16790

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:26		1.015	0.205	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 10:26		1.015	38.4	mg/L	0.070035	0.406	
* Iron, Total	9/8/22 12:19	9/9/22 10:26		1.015	0.0744	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:26		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 10:26		1.015	23.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:26		1	14.0	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:26		1.015	6.52	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:26		1.015	24.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:26		1.015	0.203	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:07		10.15	40.6	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:26		1.015	0.0459	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:26		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:26		1.015	23.5	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:26		1	13.6	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:26		1.015	6.36	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:26		1.015	23.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 13:57		1.015	0.00251	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 13:57		1.015	0.0180	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 13:57		1.015	0.0944	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 13:57		1.015	0.0116	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 13:57		1.015	0.938	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-35V

Location Code: WMWGASAP
Collected: 9/7/22 10:52
Customer ID:
Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16790

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 13:57		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	0.00250	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	0.0167	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	0.0938	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	0.0105	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	0.916	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	0.000902	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	9/8/22 11:25	9/8/22 11:59		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/13/22 17:50	9/14/22 01:04		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:35	9/12/22 13:35		1	1.23	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:19	9/20/22 10:59		1	195	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	256	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	192	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	2.80	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 00:45	9/9/22 00:45		1	1.31	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-35V

Location Code: WMWGASAP

Collected: 9/7/22 10:52

Customer ID:

Submittal Date: 9/7/22 14:39

Laboratory ID Number: BC16790

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:05	9/12/22 11:05		1	7.90	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:57	9/12/22 12:57		1	0.129	mg/L	0.06	0.125	
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 13:39	9/14/22 13:39		1	38.6	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: DKG							
Conductivity	9/7/22 10:49	9/7/22 10:49			513.18	uS/cm			FA
pH	9/7/22 10:49	9/7/22 10:49			7.96	SU			FA
Temperature	9/7/22 10:49	9/7/22 10:49			23.74	C			FA
Turbidity	9/7/22 10:49	9/7/22 10:49			0.39	NTU			FA
Sulfide	9/7/22 10:49	9/7/22 10:49			1.0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 10:52

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC16790

Sample	Analysis	Units	MB				Standard		Rec		Prec	Limit	
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec			Limit
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 10:52

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC16790

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16790	Mercury, Total by CVAA	mg/L	0.0000	0.000500	0.004	0.00401	0.00404	0.00404	0.00340 to 0.00460	100	70.0 to 130	0.745	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 10:52

Customer ID:

Delivery Date: 9/7/22 14:39

Description: Gaston Ash Pond - MW-35V

Laboratory ID Number: BC16790

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27

Location Code: WMWGASAP
Collected: 9/6/22 14:30
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16791

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:29		1.015	0.154	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 10:29		1.015	28.6	mg/L	0.070035	0.406	
* Iron, Total	9/8/22 12:19	9/9/22 10:29		1.015	0.0478	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:29		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 10:29		1.015	14.9	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:29		1	7.40	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:29		1.015	3.46	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:29		1.015	7.23	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	0.164	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	29.5	mg/L	0.070035	0.406	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	15.1	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:29		1	7.25	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	3.39	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:29		1.015	7.15	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.0773	mg/L	0.006090	0.01015	
* Arsenic, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.000198	mg/L	0.000081	0.000203	J
* Barium, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.0144	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.000321	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.00322	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.00591	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:00		1.015	0.945	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27

Location Code: WMWGASAP

Collected: 9/6/22 14:30

Customer ID:

Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16791

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:00		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	0.000164	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	0.0148	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	0.000246	mg/L	0.000152	0.001015	J
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	0.00685	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	0.900	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	0.000815	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:02		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 19:50		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:37	9/12/22 13:37		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:24	9/20/22 09:24		1	117	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	150	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:24	9/20/22 09:24		1	116	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:24	9/20/22 09:24		1	1.06	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 01:06	9/9/22 01:06		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-27

Location Code: WMWGASAP

Collected: 9/6/22 14:30

Customer ID:

Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16791

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:06	9/12/22 11:06		1	13.6	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:58	9/12/22 12:58		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 13:40	9/14/22 13:40		1	12.0	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	9/6/22 14:28	9/6/22 14:28			277.39	uS/cm			FA
pH	9/6/22 14:28	9/6/22 14:28			6.99	SU			FA
Temperature	9/6/22 14:28	9/6/22 14:28			20.67	C			FA
Turbidity	9/6/22 14:28	9/6/22 14:28			2.51	NTU			FA
Sulfide	9/6/22 14:28	9/6/22 14:28			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 14:30

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC16791

Sample	Analysis	Units	MB	MB				Standard		Rec			Prec
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 14:30

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC16791

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.0000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.0000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 14:30

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-27

Laboratory ID Number: BC16791

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23S

Location Code: WMWGASAP
Collected: 9/7/22 09:12
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16792

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:32		1.015	0.393	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 11:32		10.15	58.9	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 10:32		1.015	0.0624	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 10:32		1.015	24.2	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:32		1	6.38	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:32		1.015	2.98	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:32		1.015	9.35	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:32		1.015	0.391	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:11		10.15	48.5	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:32		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:32		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:32		1.015	23.6	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:32		1	6.03	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:32		1.015	2.82	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:32		1.015	9.58	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 14:04		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.167	mg/L	0.006090	0.01015	
* Arsenic, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.000255	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.0218	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:04		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.000268	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 14:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.0000867	mg/L	0.000068	0.000203	J
* Manganese, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.00265	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.0148	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:04		1.015	0.799	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23S

Location Code: WMWGASAP
Collected: 9/7/22 09:12
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16792

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:04		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:04		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	0.000150	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	0.0204	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	0.0000687	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	0.0152	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	0.815	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	0.000922	mg/L	0.000508	0.001015	J
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:06		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 19:54		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/12/22 13:39	9/12/22 13:39		1	0.796	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:19	9/20/22 10:59		1	175	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	235	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	174	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	0.92	mg/L		0.5	
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 01:27	9/9/22 01:27		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23S

Location Code: WMWGASAP
Collected: 9/7/22 09:12
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16792

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:07	9/12/22 11:07		1	18.9	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 12:59	9/12/22 12:59		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 13:42	9/14/22 13:42		1	30.0	mg/L	0.6	2	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	9/7/22 09:07	9/7/22 09:07			432.45	uS/cm			FA
pH	9/7/22 09:07	9/7/22 09:07			7.26	SU			FA
Temperature	9/7/22 09:07	9/7/22 09:07			20.91	C			FA
Turbidity	9/7/22 09:07	9/7/22 09:07			5.51	NTU			FA
Sulfide	9/7/22 09:07	9/7/22 09:07			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 09:12

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC16792

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP
Sample Date: 9/7/22 09:12
Customer ID:
Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC16792

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16793	Lead, Total	mg/L	0.000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16795	Manganese, Dissolved	mg/L	0.0000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16793	Manganese, Total	mg/L	0.0000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16792	Total Organic Carbon	mg/L	0.406	1.00	10.0	10.0	10.3	10.4		100	80.0 to 120	2.96	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 09:12

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-23S

Laboratory ID Number: BC16792

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16792	Nitrogen, Nitrate/Nitrite	mg/L as N	0.03	0.200	2.00	2.74	0.789	1.85	1.80 to 2.20	97.2	90.0 to 110	0.883	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-5

Location Code: WMWGASAPFB
Collected: 9/7/22 09:30
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16793

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638					
* Boron, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.030000	0.1015	U	
* Calcium, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.070035	0.406	U	
* Iron, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.008120	0.0406	U	
* Lithium, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U	
* Magnesium, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.021315	0.406	U	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:35		1	Not Detected	mg/L				
Silicon, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.02030	0.25375	U	
* Sodium, Total	9/8/22 12:19	9/9/22 10:35		1.015	Not Detected	mg/L	0.03045	0.406	U	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638					
* Antimony, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Aluminum, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.006090	0.01015	U	
* Arsenic, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000081	0.000203	U	
* Barium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000406	0.001015	U	
* Cadmium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Chromium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000203	0.001015	U	
* Cobalt, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Lead, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000068	0.000203	U	
* Manganese, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000152	0.001015	U	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000102	0.000203	U	
* Potassium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.169505	0.5075	U	
* Selenium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000508	0.001015	U	
* Thallium, Total	9/8/22 12:19	9/8/22 14:07		1.015	Not Detected	mg/L	0.000068	0.000203	U	
Analytical Method: EPA 245.1		Analyst: CRB								
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 19:58		1	Not Detected	mg/L	0.0003	0.0005	U	
Analytical Method: EPA 353.2		Analyst: CES								
* Nitrogen, Nitrate/Nitrite	9/15/22 14:25	9/15/22 14:25		1	Not Detected	mg/L as N	0.20	0.3	U	
Analytical Method: SM 2540C		Analyst: CNJ								
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	Not Detected	mg/L		25	U	

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

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond Field Blank-5

Location Code: WMWGASAPFB
Collected: 9/7/22 09:30
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16793

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 02:58	9/9/22 02:58		1	Not Detected	mg/L	1.00	2	U
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:08	9/12/22 11:08		1	Not Detected	mg/L	0.50	1	U
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 13:00	9/12/22 13:00		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 13:43	9/14/22 13:43		1	Not Detected	mg/L	0.6	2	U

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

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 9/7/22 09:30

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond Field Blank-5

Laboratory ID Number: BC16793

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16793	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.102	0.100	0.0992	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16793	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0941	0.0943	0.0939	0.0850 to 0.115	94.1	70.0 to 130	0.212	20.0
BC16793	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.0998	0.101	0.100	0.0850 to 0.115	99.8	70.0 to 130	1.20	20.0
BC16793	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.103	0.103	0.102	0.0850 to 0.115	103	70.0 to 130	0.00	20.0
BC16793	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0975	0.0990	0.0991	0.0850 to 0.115	97.5	70.0 to 130	1.53	20.0
BC16793	Boron, Total	mg/L	-0.000316	0.0650	1.00	0.985	0.974	0.952	0.850 to 1.15	98.5	70.0 to 130	1.12	20.0
BC16793	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.101	0.0980	0.0960	0.0850 to 0.115	101	70.0 to 130	3.02	20.0
BC16793	Calcium, Total	mg/L	-0.00715	0.152	5.00	4.95	4.82	4.85	4.25 to 5.75	99.0	70.0 to 130	2.66	20.0
BC16793	Chloride	mg/L	-0.0643	1.00	10.0	10.6	10.4	10.3	9.00 to 11.0	106	80.0 to 120	1.90	20.0
BC16793	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.104	0.100	0.0986	0.0850 to 0.115	104	70.0 to 130	3.92	20.0
BC16793	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.103	0.101	0.100	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16793	Fluoride	mg/L	-0.0123	0.125	2.50	2.62	2.65	2.65	2.25 to 2.75	105	80.0 to 120	1.14	20.0
BC16793	Iron, Total	mg/L	0.000549	0.0176	0.2	0.198	0.199	0.193	0.170 to 0.230	99.0	70.0 to 130	0.504	20.0
BC16793	Lead, Total	mg/L	0.0000055	0.000147	0.100	0.108	0.109	0.109	0.0850 to 0.115	108	70.0 to 130	0.922	20.0
BC16793	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.198	0.207	0.201	0.170 to 0.230	99.0	70.0 to 130	4.44	20.0
BC16793	Magnesium, Total	mg/L	0.000291	0.0462	5.00	4.98	4.98	4.99	4.25 to 5.75	99.6	70.0 to 130	0.00	20.0
BC16793	Manganese, Total	mg/L	0.0000086	0.00033	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16793	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.101	0.0999	0.0959	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16793	Potassium, Total	mg/L	-0.00448	0.367	10.0	10.8	10.6	10.6	8.50 to 11.5	108	70.0 to 130	1.87	20.0
BC16793	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.101	0.0999	0.0988	0.0850 to 0.115	101	70.0 to 130	1.10	20.0
BC16793	Silicon, Total	mg/L	-0.000144	0.0440	1.00	0.998	1.00	0.977	0.850 to 1.15	99.8	70.0 to 130	0.200	20.0
BC16793	Sodium, Total	mg/L	0.00155	0.0660	5.00	5.04	5.28	5.09	4.25 to 5.75	101	70.0 to 130	4.65	20.0
BC16793	Sulfate	mg/L	-0.355	2.0	20.0	19.6	19.8	19.0	18.0 to 22.0	98.0	80.0 to 120	1.02	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 9/7/22 09:30

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond Field Blank-5

Laboratory ID Number: BC16793

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit	Prec	Limit
BC16793	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.113	0.113	0.111	0.0850 to 0.115	113	70.0 to 130	0.00	20.0
BC16798	Total Organic Carbon	mg/L	0.400	1.00	10.0	10.7	10.6	10.1		107	80.0 to 120	0.939	20.0

Comments:

Batch QC Summary

Customer Account: WMWGASAPFB

Sample Date: 9/7/22 09:30

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond Field Blank-5

Laboratory ID Number: BC16793

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.97	-0.001	1.88	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments:

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23D

Location Code: WMWGASAP
Collected: 9/7/22 10:07
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16794

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:51		1.015	1.40	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 10:51		1.015	33.2	mg/L	0.070035	0.406	
* Iron, Total	9/8/22 12:19	9/9/22 10:51		1.015	0.0226	mg/L	0.008120	0.0406	J
* Lithium, Total	9/8/22 12:19	9/9/22 10:51		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 11:35		10.15	45.9	mg/L	0.21315	4.06	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:51		1	11.1	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:51		1.015	5.19	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:51		1.015	25.5	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:35		1.015	1.37	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/9/22 12:35		1.015	34.6	mg/L	0.070035	0.406	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:35		1.015	0.0206	mg/L	0.008120	0.0406	J
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:35		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/12/22 11:14		10.15	41.5	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:35		1	11.0	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:35		1.015	5.12	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:35		1.015	24.6	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 14:29		1.015	0.00168	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 14:29		1.015	0.0426	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 14:29		1.015	0.00676	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:29		1.015	0.000634	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:29		1.015	4.59	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23D

Location Code: WMWGASAP

Collected: 9/7/22 10:07

Customer ID:

Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16794

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:29		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	0.00138	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	0.0435	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	0.00723	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	0.00138	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	4.17	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:10		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 20:02		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/15/22 14:27	9/15/22 14:27		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:19	9/20/22 10:59		1	181	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	313	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	179	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	1.85	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 03:24	9/9/22 03:24		1	1.25	mg/L	1.00	2	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-23D

Location Code: WMWGASAP

Collected: 9/7/22 10:07

Customer ID:

Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16794

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:56	9/12/22 11:56		8	52.7	mg/L	4.00	8	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 13:12	9/12/22 13:12		1	0.0739	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 15:01	9/14/22 15:01		2	44.6	mg/L	1.2	4	
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	9/7/22 10:04	9/7/22 10:04			572.33	uS/cm			FA
pH	9/7/22 10:04	9/7/22 10:04			7.93	SU			FA
Temperature	9/7/22 10:04	9/7/22 10:04			23.36	C			FA
Turbidity	9/7/22 10:04	9/7/22 10:04			0.28	NTU			FA
Sulfide	9/7/22 10:04	9/7/22 10:04			1	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 10:07

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC16794

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.106	0.107	0.0992	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16798	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0961	0.0980	0.0939	0.0850 to 0.115	96.1	70.0 to 130	1.96	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16798	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.105	0.104	0.100	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16798	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.182	0.187	0.102	0.0850 to 0.115	98.5	70.0 to 130	2.71	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16798	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0993	0.103	0.0991	0.0850 to 0.115	99.3	70.0 to 130	3.66	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16798	Boron, Total	mg/L	-0.000316	0.0650	1.00	1.02	1.02	0.952	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16798	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.0994	0.0991	0.0960	0.0850 to 0.115	99.4	70.0 to 130	0.302	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16798	Calcium, Total	mg/L	-0.00715	0.152	5.00	96.5	99.5	4.85	4.25 to 5.75	-110	70.0 to 130	3.06	20.0
BC16798	Chloride	mg/L	-0.046	1.00	10.0	15.3	15.3	9.90	9.00 to 11.0	100	80.0 to 120	0.00	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.101	0.103	0.0986	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16798	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.0994	0.101	0.100	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC16798	Fluoride	mg/L	0.010	0.125	2.50	2.78	2.75	2.70	2.25 to 2.75	108	80.0 to 120	1.08	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16798	Iron, Total	mg/L	0.000549	0.0176	0.2	0.912	0.914	0.193	0.170 to 0.230	95.0	70.0 to 130	0.219	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 10:07

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC16794

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16798	Lead, Total	mg/L	0.000055	0.000147	0.100	0.111	0.108	0.109	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16798	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.212	0.207	0.201	0.170 to 0.230	106	70.0 to 130	2.39	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16798	Magnesium, Total	mg/L	0.000291	0.0462	5.00	35.3	35.1	4.99	4.25 to 5.75	100	70.0 to 130	0.568	20.0
BC16795	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16798	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.174	0.179	0.103	0.0850 to 0.115	99.4	70.0 to 130	2.83	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16798	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.100	0.101	0.0959	0.0850 to 0.115	99.3	70.0 to 130	0.995	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16798	Potassium, Total	mg/L	-0.00448	0.367	10.0	11.3	11.5	10.6	8.50 to 11.5	106	70.0 to 130	1.75	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16798	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.102	0.103	0.0988	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16798	Silicon, Total	mg/L	-0.000144	0.0440	1.00	6.09	6.10	0.977	0.850 to 1.15	100	70.0 to 130	0.164	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16798	Sodium, Total	mg/L	0.00155	0.0660	5.00	24.4	23.8	5.09	4.25 to 5.75	110	70.0 to 130	2.49	20.0
BC16798	Sulfate	mg/L	-0.0921	2.0	320	469	467	19.2	18.0 to 22.0	100	80.0 to 120	0.427	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16798	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.111	0.111	0.111	0.0850 to 0.115	111	70.0 to 130	0.00	20.0
BC16798	Total Organic Carbon	mg/L	0.400	1.00	10.0	10.7	10.6	10.1		107	80.0 to 120	0.939	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 10:07

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-23D

Laboratory ID Number: BC16794

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard Standard	Standard Limit	Rec Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16798	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.97	-0.001	1.88	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-13

Location Code: WMWGASAP
Collected: 9/7/22 11:57
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16795

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 10:54		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/8/22 12:19	9/9/22 11:39		10.15	52.7	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 10:54		1.015	0.406	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 10:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 10:54		1.015	23.0	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:54		1	8.60	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:54		1.015	4.02	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:54		1.015	4.38	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:38		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:17		10.15	43.2	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:38		1.015	0.375	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:38		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:38		1.015	23.0	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:38		1	8.67	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:38		1.015	4.05	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:38		1.015	4.70	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.000532	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.0422	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.000286	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.0000941	mg/L	0.000068	0.000203	J
* Lead, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.113	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.000315	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:32		1.015	0.313	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-13

Location Code: WMWGASAP
Collected: 9/7/22 11:57
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16795

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:32		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	0.000518	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	0.0409	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	0.0000913	mg/L	0.000068	0.000203	J
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	0.108	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	0.000381	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	0.303	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:13		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 20:06		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/15/22 14:28	9/15/22 14:28		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:19	9/20/22 10:59		1	205	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	192	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	203	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:19	9/20/22 10:59		1	2.34	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 03:48	9/9/22 03:48		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-13

Location Code: WMWGASAP

Collected: 9/7/22 11:57

Customer ID:

Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16795

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:57	9/12/22 11:57		1	4.55	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 13:14	9/12/22 13:14		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 15:02	9/14/22 15:02		1	0.641	mg/L	0.6	2	J
Analytical Method: Field Measurements		Analyst: AWG							
Conductivity	9/7/22 11:55	9/7/22 11:55			359.74	uS/cm			FA
pH	9/7/22 11:55	9/7/22 11:55			7.52	SU			FA
Temperature	9/7/22 11:55	9/7/22 11:55			21.72	C			FA
Turbidity	9/7/22 11:55	9/7/22 11:55			0.42	NTU			FA
Sulfide	9/7/22 11:55	9/7/22 11:55			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 11:57

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC16795

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.106	0.103	0.101	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.106	0.107	0.0992	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC16795	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0955	0.0926	0.0881	0.0850 to 0.115	95.5	70.0 to 130	3.08	20.0
BC16798	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0961	0.0980	0.0939	0.0850 to 0.115	96.1	70.0 to 130	1.96	20.0
BC16795	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.104	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	2.93	20.0
BC16798	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.105	0.104	0.100	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16795	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.144	0.140	0.0989	0.0850 to 0.115	103	70.0 to 130	2.82	20.0
BC16798	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.182	0.187	0.102	0.0850 to 0.115	98.5	70.0 to 130	2.71	20.0
BC16795	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.0972	0.105	0.107	0.0850 to 0.115	97.2	70.0 to 130	7.72	20.0
BC16798	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0993	0.103	0.0991	0.0850 to 0.115	99.3	70.0 to 130	3.66	20.0
BC16795	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	0.987	0.980	0.971	0.850 to 1.15	98.7	70.0 to 130	0.712	20.0
BC16798	Boron, Total	mg/L	-0.000316	0.0650	1.00	1.02	1.02	0.952	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16795	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.103	0.101	0.102	0.0850 to 0.115	103	70.0 to 130	1.96	20.0
BC16798	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.0994	0.0991	0.0960	0.0850 to 0.115	99.4	70.0 to 130	0.302	20.0
BC16795	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	49.2	49.4	4.72	4.25 to 5.75	120	70.0 to 130	0.406	20.0
BC16798	Calcium, Total	mg/L	-0.00715	0.152	5.00	96.5	99.5	4.85	4.25 to 5.75	-110	70.0 to 130	3.06	20.0
BC16798	Chloride	mg/L	-0.046	1.00	10.0	15.3	15.3	9.90	9.00 to 11.0	100	80.0 to 120	0.00	20.0
BC16795	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.106	0.103	0.103	0.0850 to 0.115	106	70.0 to 130	2.87	20.0
BC16798	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.101	0.103	0.0986	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16795	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.105	0.102	0.104	0.0850 to 0.115	105	70.0 to 130	2.90	20.0
BC16798	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.0994	0.101	0.100	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC16798	Fluoride	mg/L	0.010	0.125	2.50	2.78	2.75	2.70	2.25 to 2.75	108	80.0 to 120	1.08	20.0
BC16795	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	0.569	0.565	0.197	0.170 to 0.230	97.0	70.0 to 130	0.705	20.0
BC16798	Iron, Total	mg/L	0.000549	0.0176	0.2	0.912	0.914	0.193	0.170 to 0.230	95.0	70.0 to 130	0.219	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 11:57

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC16795

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16795	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.105	0.110	0.112	0.0850 to 0.115	105	70.0 to 130	4.65	20.0
BC16798	Lead, Total	mg/L	0.000055	0.000147	0.100	0.111	0.108	0.109	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16795	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.198	0.197	0.200	0.170 to 0.230	99.0	70.0 to 130	0.506	20.0
BC16798	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.212	0.207	0.201	0.170 to 0.230	106	70.0 to 130	2.39	20.0
BC16795	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	27.2	27.4	4.85	4.25 to 5.75	84.0	70.0 to 130	0.733	20.0
BC16798	Magnesium, Total	mg/L	0.000291	0.0462	5.00	35.3	35.1	4.99	4.25 to 5.75	100	70.0 to 130	0.568	20.0
BC16795	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.220	0.214	0.106	0.0850 to 0.115	112	70.0 to 130	2.76	20.0
BC16798	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.174	0.179	0.103	0.0850 to 0.115	99.4	70.0 to 130	2.83	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16795	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.101	0.101	0.0986	0.0850 to 0.115	101	70.0 to 130	0.00	20.0
BC16798	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.100	0.101	0.0959	0.0850 to 0.115	99.3	70.0 to 130	0.995	20.0
BC16795	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.5	11.2	10.9	8.50 to 11.5	112	70.0 to 130	2.64	20.0
BC16798	Potassium, Total	mg/L	-0.00448	0.367	10.0	11.3	11.5	10.6	8.50 to 11.5	106	70.0 to 130	1.75	20.0
BC16795	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.105	0.103	0.104	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16798	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.102	0.103	0.0988	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16795	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	5.03	4.99	0.988	0.850 to 1.15	98.0	70.0 to 130	0.798	20.0
BC16798	Silicon, Total	mg/L	-0.000144	0.0440	1.00	6.09	6.10	0.977	0.850 to 1.15	100	70.0 to 130	0.164	20.0
BC16795	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	9.62	9.49	5.03	4.25 to 5.75	98.4	70.0 to 130	1.36	20.0
BC16798	Sodium, Total	mg/L	0.00155	0.0660	5.00	24.4	23.8	5.09	4.25 to 5.75	110	70.0 to 130	2.49	20.0
BC16798	Sulfate	mg/L	-0.0921	2.0	320	469	467	19.2	18.0 to 22.0	100	80.0 to 120	0.427	20.0
BC16795	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.108	0.113	0.113	0.0850 to 0.115	108	70.0 to 130	4.52	20.0
BC16798	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.111	0.111	0.111	0.0850 to 0.115	111	70.0 to 130	0.00	20.0
BC16798	Total Organic Carbon	mg/L	0.400	1.00	10.0	10.7	10.6	10.1		107	80.0 to 120	0.939	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/7/22 11:57

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-13

Laboratory ID Number: BC16795

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16798	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.97	-0.001	1.88	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-11

Location Code: WMWGASAP
Collected: 9/6/22 11:10
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16796

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB			Preparation Method: EPA 1638			
* Boron, Total	9/8/22 12:19	9/9/22 10:57		1.015	0.326	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 11:42		10.15	46.7	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 10:57		1.015	0.0111	mg/L	0.008120	0.0406	J
* Lithium, Total	9/8/22 12:19	9/9/22 10:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 10:57		1.015	21.7	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 10:57		1	8.71	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 10:57		1.015	4.07	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 10:57		1.015	5.84	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB						
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:54		1.015	0.317	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:33		10.15	42.6	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:54		1.015	Not Detected	mg/L	0.008120	0.0406	U
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:54		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:54		1.015	21.2	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:54		1	8.69	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:54		1.015	4.06	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:54		1.015	5.98	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ			Preparation Method: EPA 1638			
* Antimony, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.00720	mg/L	0.006090	0.01015	J
* Arsenic, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.000164	mg/L	0.000081	0.000203	J
* Barium, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.00885	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.000929	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.00138	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.000269	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:36		1.015	0.227	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-11

Location Code: WMWGASAP
Collected: 9/6/22 11:10
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16796

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:36		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	0.000143	mg/L	0.000081	0.000203	J
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	0.00913	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	0.000595	mg/L	0.000203	0.001015	J
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	0.0000912	mg/L	0.000068	0.000203	J
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000152	0.001015	U
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	0.000263	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	0.228	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:34		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 20:10		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/15/22 14:28	9/15/22 14:28		1	0.838	mg/L as N	0.20	0.3	
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:40	9/20/22 09:40		1	123	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	226	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:40	9/20/22 09:40		1	122	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:40	9/20/22 09:40		1	1.41	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 04:08	9/9/22 04:08		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-11

Location Code: WMWGASAP
Collected: 9/6/22 11:10
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16796

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 11:59	9/12/22 11:59		1	7.27	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 13:15	9/12/22 13:15		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 15:04	9/14/22 15:04		4	61.9	mg/L	2.4	8	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	9/6/22 11:07	9/6/22 11:07			373.69	uS/cm			FA
pH	9/6/22 11:07	9/6/22 11:07			7.67	SU			FA
Temperature	9/6/22 11:07	9/6/22 11:07			22.02	C			FA
Turbidity	9/6/22 11:07	9/6/22 11:07			0.9	NTU			FA
Sulfide	9/6/22 11:07	9/6/22 11:07			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 11:10

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC16796

Sample	Analysis	Units	MB		Spike	MS	MSD	Standard		Rec		Prec	Limit
			MB	Limit				Standard	Limit	Rec	Limit		
BC16798	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.102	0.102	0.101	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16798	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.106	0.107	0.0992	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC16798	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0915	0.0909	0.0881	0.0850 to 0.115	91.5	70.0 to 130	0.658	20.0
BC16798	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0961	0.0980	0.0939	0.0850 to 0.115	96.1	70.0 to 130	1.96	20.0
BC16798	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.105	0.103	0.102	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16798	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.105	0.104	0.100	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16798	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.199	0.195	0.0989	0.0850 to 0.115	99.5	70.0 to 130	2.03	20.0
BC16798	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.182	0.187	0.102	0.0850 to 0.115	98.5	70.0 to 130	2.71	20.0
BC16798	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.105	0.101	0.107	0.0850 to 0.115	105	70.0 to 130	3.88	20.0
BC16798	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0993	0.103	0.0991	0.0850 to 0.115	99.3	70.0 to 130	3.66	20.0
BC16798	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	1.02	1.01	0.971	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC16798	Boron, Total	mg/L	-0.000316	0.0650	1.00	1.02	1.02	0.952	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16798	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.0981	0.102	0.0850 to 0.115	101	70.0 to 130	2.91	20.0
BC16798	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.0994	0.0991	0.0960	0.0850 to 0.115	99.4	70.0 to 130	0.302	20.0
BC16798	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	119	120	4.72	4.25 to 5.75	100	70.0 to 130	0.837	20.0
BC16798	Calcium, Total	mg/L	-0.00715	0.152	5.00	96.5	99.5	4.85	4.25 to 5.75	-110	70.0 to 130	3.06	20.0
BC16798	Chloride	mg/L	-0.046	1.00	10.0	15.3	15.3	9.90	9.00 to 11.0	100	80.0 to 120	0.00	20.0
BC16798	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.102	0.100	0.103	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16798	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.101	0.103	0.0986	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16798	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.101	0.0998	0.104	0.0850 to 0.115	101	70.0 to 130	1.20	20.0
BC16798	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.0994	0.101	0.100	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC16798	Fluoride	mg/L	0.010	0.125	2.50	2.78	2.75	2.70	2.25 to 2.75	108	80.0 to 120	1.08	20.0
BC16798	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	1.25	1.25	0.197	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16798	Iron, Total	mg/L	0.000549	0.0176	0.2	0.912	0.914	0.193	0.170 to 0.230	95.0	70.0 to 130	0.219	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 11:10

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC16796

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16798	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.111	0.108	0.112	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16798	Lead, Total	mg/L	0.000055	0.000147	0.100	0.111	0.108	0.109	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16798	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.210	0.209	0.200	0.170 to 0.230	101	70.0 to 130	0.477	20.0
BC16798	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.212	0.207	0.201	0.170 to 0.230	106	70.0 to 130	2.39	20.0
BC16798	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	47.3	47.5	4.85	4.25 to 5.75	98.0	70.0 to 130	0.422	20.0
BC16798	Magnesium, Total	mg/L	0.000291	0.0462	5.00	35.3	35.1	4.99	4.25 to 5.75	100	70.0 to 130	0.568	20.0
BC16798	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.190	0.190	0.106	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16798	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.174	0.179	0.103	0.0850 to 0.115	99.4	70.0 to 130	2.83	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16798	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.0995	0.0992	0.0986	0.0850 to 0.115	99.2	70.0 to 130	0.302	20.0
BC16798	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.100	0.101	0.0959	0.0850 to 0.115	99.3	70.0 to 130	0.995	20.0
BC16798	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.6	11.4	10.9	8.50 to 11.5	109	70.0 to 130	1.74	20.0
BC16798	Potassium, Total	mg/L	-0.00448	0.367	10.0	11.3	11.5	10.6	8.50 to 11.5	106	70.0 to 130	1.75	20.0
BC16798	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.104	0.103	0.104	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC16798	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.102	0.103	0.0988	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16798	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	6.56	6.56	0.988	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC16798	Silicon, Total	mg/L	-0.000144	0.0440	1.00	6.09	6.10	0.977	0.850 to 1.15	100	70.0 to 130	0.164	20.0
BC16798	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	15.5	15.5	5.03	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC16798	Sodium, Total	mg/L	0.00155	0.0660	5.00	24.4	23.8	5.09	4.25 to 5.75	110	70.0 to 130	2.49	20.0
BC16798	Sulfate	mg/L	-0.0921	2.0	320	469	467	19.2	18.0 to 22.0	100	80.0 to 120	0.427	20.0
BC16798	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.113	0.110	0.113	0.0850 to 0.115	113	70.0 to 130	2.69	20.0
BC16798	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.111	0.111	0.111	0.0850 to 0.115	111	70.0 to 130	0.00	20.0
BC16798	Total Organic Carbon	mg/L	0.400	1.00	10.0	10.7	10.6	10.1		107	80.0 to 120	0.939	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 11:10

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-11

Laboratory ID Number: BC16796

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16798	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.97	-0.001	1.88	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-12

Location Code: WMWGASAP
Collected: 9/6/22 12:45
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16797

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 11:01		1.015	0.459	mg/L	0.030000	0.1015	
* Calcium, Total	9/8/22 12:19	9/9/22 11:45		10.15	76.8	mg/L	0.70035	4.06	
* Iron, Total	9/8/22 12:19	9/9/22 11:01		1.015	0.600	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 11:01		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 11:01		1.015	36.4	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 11:01		1	8.69	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 11:01		1.015	4.06	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 11:01		1.015	10.0	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7		Analyst: ABB			Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 12:57		1.015	0.463	mg/L	0.030000	0.1015	
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:36		10.15	67.8	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 12:57		1.015	0.420	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 12:57		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Dissolved	9/8/22 11:25	9/9/22 12:57		1.015	36.3	mg/L	0.021315	0.406	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 12:57		1	8.80	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 12:57		1.015	4.11	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 12:57		1.015	10.3	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8		Analyst: DLJ			Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.00330	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.0776	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.000347	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.000190	mg/L	0.000068	0.000203	J
* Lead, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.109	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.000272	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:39		1.015	0.305	mg/L	0.169505	0.5075	J

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-12

Location Code: WMWGASAP
Collected: 9/6/22 12:45
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16797

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:39		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	0.00254	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	0.0763	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	0.000195	mg/L	0.000068	0.000203	J
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	0.106	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	0.000304	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	0.314	mg/L	0.169505	0.5075	J
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:38		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 20:14		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/15/22 14:29	9/15/22 14:29		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 09:51	9/20/22 09:51		1	190	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	376	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 09:51	9/20/22 09:51		1	188	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 09:51	9/20/22 09:51		1	2.22	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 04:32	9/9/22 04:32		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-12

Location Code: WMWGASAP

Collected: 9/6/22 12:45

Customer ID:

Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16797

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 12:00	9/12/22 12:00		1	18.4	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 13:16	9/12/22 13:16		1	Not Detected	mg/L	0.06	0.125	U
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 15:05	9/14/22 15:05		5	104	mg/L	3.0	10	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	9/6/22 12:42	9/6/22 12:42			579.23	uS/cm			FA
pH	9/6/22 12:42	9/6/22 12:42			7.39	SU			FA
Temperature	9/6/22 12:42	9/6/22 12:42			24.00	C			FA
Turbidity	9/6/22 12:42	9/6/22 12:42			3.46	NTU			FA
Sulfide	9/6/22 12:42	9/6/22 12:42			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 12:45

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC16797

Sample	Analysis	Units	MB				Standard		Rec		Prec	Limit	
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec			Limit
BC16798	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.102	0.102	0.101	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16798	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.106	0.107	0.0992	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC16798	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0915	0.0909	0.0881	0.0850 to 0.115	91.5	70.0 to 130	0.658	20.0
BC16798	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0961	0.0980	0.0939	0.0850 to 0.115	96.1	70.0 to 130	1.96	20.0
BC16798	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.105	0.103	0.102	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16798	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.105	0.104	0.100	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16798	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.199	0.195	0.0989	0.0850 to 0.115	99.5	70.0 to 130	2.03	20.0
BC16798	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.182	0.187	0.102	0.0850 to 0.115	98.5	70.0 to 130	2.71	20.0
BC16798	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.105	0.101	0.107	0.0850 to 0.115	105	70.0 to 130	3.88	20.0
BC16798	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0993	0.103	0.0991	0.0850 to 0.115	99.3	70.0 to 130	3.66	20.0
BC16798	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	1.02	1.01	0.971	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC16798	Boron, Total	mg/L	-0.000316	0.0650	1.00	1.02	1.02	0.952	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16798	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.0981	0.102	0.0850 to 0.115	101	70.0 to 130	2.91	20.0
BC16798	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.0994	0.0991	0.0960	0.0850 to 0.115	99.4	70.0 to 130	0.302	20.0
BC16798	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	119	120	4.72	4.25 to 5.75	100	70.0 to 130	0.837	20.0
BC16798	Calcium, Total	mg/L	-0.00715	0.152	5.00	96.5	99.5	4.85	4.25 to 5.75	-110	70.0 to 130	3.06	20.0
BC16798	Chloride	mg/L	-0.046	1.00	10.0	15.3	15.3	9.90	9.00 to 11.0	100	80.0 to 120	0.00	20.0
BC16798	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.102	0.100	0.103	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16798	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.101	0.103	0.0986	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16798	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.101	0.0998	0.104	0.0850 to 0.115	101	70.0 to 130	1.20	20.0
BC16798	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.0994	0.101	0.100	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC16798	Fluoride	mg/L	0.010	0.125	2.50	2.78	2.75	2.70	2.25 to 2.75	108	80.0 to 120	1.08	20.0
BC16798	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	1.25	1.25	0.197	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16798	Iron, Total	mg/L	0.000549	0.0176	0.2	0.912	0.914	0.193	0.170 to 0.230	95.0	70.0 to 130	0.219	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 12:45

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC16797

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16798	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.111	0.108	0.112	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16798	Lead, Total	mg/L	0.000055	0.000147	0.100	0.111	0.108	0.109	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16798	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.210	0.209	0.200	0.170 to 0.230	101	70.0 to 130	0.477	20.0
BC16798	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.212	0.207	0.201	0.170 to 0.230	106	70.0 to 130	2.39	20.0
BC16798	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	47.3	47.5	4.85	4.25 to 5.75	98.0	70.0 to 130	0.422	20.0
BC16798	Magnesium, Total	mg/L	0.000291	0.0462	5.00	35.3	35.1	4.99	4.25 to 5.75	100	70.0 to 130	0.568	20.0
BC16798	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.190	0.190	0.106	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16798	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.174	0.179	0.103	0.0850 to 0.115	99.4	70.0 to 130	2.83	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16798	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.0995	0.0992	0.0986	0.0850 to 0.115	99.2	70.0 to 130	0.302	20.0
BC16798	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.100	0.101	0.0959	0.0850 to 0.115	99.3	70.0 to 130	0.995	20.0
BC16798	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.6	11.4	10.9	8.50 to 11.5	109	70.0 to 130	1.74	20.0
BC16798	Potassium, Total	mg/L	-0.00448	0.367	10.0	11.3	11.5	10.6	8.50 to 11.5	106	70.0 to 130	1.75	20.0
BC16798	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.104	0.103	0.104	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC16798	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.102	0.103	0.0988	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16798	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	6.56	6.56	0.988	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC16798	Silicon, Total	mg/L	-0.000144	0.0440	1.00	6.09	6.10	0.977	0.850 to 1.15	100	70.0 to 130	0.164	20.0
BC16798	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	15.5	15.5	5.03	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC16798	Sodium, Total	mg/L	0.00155	0.0660	5.00	24.4	23.8	5.09	4.25 to 5.75	110	70.0 to 130	2.49	20.0
BC16798	Sulfate	mg/L	-0.0921	2.0	320	469	467	19.2	18.0 to 22.0	100	80.0 to 120	0.427	20.0
BC16798	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.113	0.110	0.113	0.0850 to 0.115	113	70.0 to 130	2.69	20.0
BC16798	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.111	0.111	0.111	0.0850 to 0.115	111	70.0 to 130	0.00	20.0
BC16798	Total Organic Carbon	mg/L	0.400	1.00	10.0	10.7	10.6	10.1		107	80.0 to 120	0.939	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 12:45

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-12

Laboratory ID Number: BC16797

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16798	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.97	-0.001	1.88	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-14

Location Code: WMWGASAP
Collected: 9/6/22 14:35
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16798

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Total	9/8/22 12:19	9/9/22 11:04		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Total	9/8/22 12:19	9/9/22 11:48		10.15	102	mg/L	0.70035	4.06	RA
* Iron, Total	9/8/22 12:19	9/9/22 11:04		1.015	0.722	mg/L	0.008120	0.0406	
* Lithium, Total	9/8/22 12:19	9/9/22 11:04		1.015	Not Detected	mg/L	0.007105	0.01999956	U
* Magnesium, Total	9/8/22 12:19	9/9/22 11:04		1.015	30.3	mg/L	0.021315	0.406	
Silica, Total (calc.)	9/8/22 12:19	9/9/22 11:04		1	10.9	mg/L			
Silicon, Total	9/8/22 12:19	9/9/22 11:04		1.015	5.09	mg/L	0.02030	0.25375	
* Sodium, Total	9/8/22 12:19	9/9/22 11:04		1.015	18.9	mg/L	0.03045	0.406	
Analytical Method: EPA 200.7			Analyst: ABB		Preparation Method: EPA 1638				
* Boron, Dissolved	9/8/22 11:25	9/9/22 13:01		1.015	Not Detected	mg/L	0.030000	0.1015	U
* Calcium, Dissolved	9/8/22 11:25	9/12/22 11:39		10.15	114	mg/L	0.70035	4.06	
* Iron, Dissolved	9/8/22 11:25	9/9/22 13:01		1.015	1.05	mg/L	0.008120	0.0406	
* Lithium, Dissolved	9/8/22 11:25	9/9/22 13:01		1.015	0.00824	mg/L	0.007105	0.01999956	J
* Magnesium, Dissolved	9/8/22 11:25	9/12/22 11:39		10.15	42.4	mg/L	0.21315	4.06	
Silica, Dissolved (calc.)	9/8/22 11:25	9/9/22 13:01		1	11.9	mg/L			
Silicon, Dissolved	9/8/22 11:25	9/9/22 13:01		1.015	5.55	mg/L	0.02030	0.25375	
* Sodium, Dissolved	9/8/22 11:25	9/9/22 13:01		1.015	10.4	mg/L	0.03045	0.406	
Analytical Method: EPA 200.8			Analyst: DLJ		Preparation Method: EPA 1638				
* Antimony, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Total	9/8/22 12:19	9/8/22 14:43		1.015	0.000568	mg/L	0.000081	0.000203	
* Barium, Total	9/8/22 12:19	9/8/22 14:43		1.015	0.0835	mg/L	0.000508	0.001015	
* Beryllium, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Total	9/8/22 12:19	9/8/22 14:43		1.015	0.000289	mg/L	0.000203	0.001015	J
* Cobalt, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Total	9/8/22 12:19	9/8/22 14:43		1.015	0.0746	mg/L	0.000152	0.001015	
* Molybdenum, Total	9/8/22 12:19	9/8/22 14:43		1.015	0.000701	mg/L	0.000102	0.000203	
* Potassium, Total	9/8/22 12:19	9/8/22 14:43		1.015	0.677	mg/L	0.169505	0.5075	

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-14

Location Code: WMWGASAP
Collected: 9/6/22 14:35
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16798

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
* Selenium, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Total	9/8/22 12:19	9/8/22 14:43		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 200.8		Analyst: DLJ							
* Antimony, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Aluminum, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.006090	0.01015	U
* Arsenic, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	0.000437	mg/L	0.000081	0.000203	
* Barium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	0.0995	mg/L	0.000508	0.001015	
* Beryllium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000406	0.001015	U
* Cadmium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Chromium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000203	0.001015	U
* Cobalt, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Lead, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
* Manganese, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	0.0878	mg/L	0.000152	0.001015	
* Molybdenum, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	0.000318	mg/L	0.000102	0.000203	
* Potassium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	0.658	mg/L	0.169505	0.5075	
* Selenium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000508	0.001015	U
* Thallium, Dissolved	9/8/22 11:25	9/8/22 12:42		1.015	Not Detected	mg/L	0.000068	0.000203	U
Analytical Method: EPA 245.1		Analyst: CRB							
* Mercury, Total by CVAA	9/16/22 15:48	9/16/22 20:18		1	Not Detected	mg/L	0.0003	0.0005	U
Analytical Method: EPA 353.2		Analyst: CES							
* Nitrogen, Nitrate/Nitrite	9/15/22 14:30	9/15/22 14:30		1	Not Detected	mg/L as N	0.20	0.3	U
Analytical Method: SM 2320 B		Analyst: ALH							
Alkalinity to pH 4.5	9/20/22 10:07	9/20/22 10:07		1	265	mg CaCO3/L		0.1	
Analytical Method: SM 2540C		Analyst: CNJ							
* Solids, Dissolved	9/8/22 11:39	9/12/22 10:10		1	462	mg/L		25	
Analytical Method: SM 4500CO2 D		Analyst: ALH							
Bicarbonate Alkalinity, (calc.)	9/20/22 10:07	9/20/22 10:07		1	263	mg/L			
Carbonate Alkalinity, (calc.)	9/20/22 10:07	9/20/22 10:07		1	1.53	mg/L			
Analytical Method: SM 5310 B		Analyst: ELH							
* Total Organic Carbon	9/9/22 04:57	9/9/22 04:57		1	Not Detected	mg/L	1.00	2	U

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Certificate Of Analysis

Description: Gaston Ash Pond - MW-14

Location Code: WMWGASAP
Collected: 9/6/22 14:35
Customer ID:
Submittal Date: 9/7/22 14:40

Laboratory ID Number: BC16798

Name	Prepared	Analyzed	Vio Spec	DF	Results	Units	MDL	RL	Q
Analytical Method: SM4500Cl E		Analyst: JCC							
* Chloride	9/12/22 12:01	9/12/22 12:01		1	5.29	mg/L	0.50	1	
Analytical Method: SM4500F G 2017		Analyst: JCC							
* Fluoride	9/12/22 13:17	9/12/22 13:17		1	0.0891	mg/L	0.06	0.125	J
Analytical Method: SM4500SO4 E 2011		Analyst: JCC							
* Sulfate	9/14/22 15:06	9/14/22 15:06		16	148	mg/L	9.6	32	
Analytical Method: Field Measurements		Analyst: TJD							
Conductivity	9/6/22 14:30	9/6/22 14:30			458.97	uS/cm			FA
pH	9/6/22 14:30	9/6/22 14:30			7.35	SU			FA
Temperature	9/6/22 14:30	9/6/22 14:30			22.39	C			FA
Turbidity	9/6/22 14:30	9/6/22 14:30			0.54	NTU			FA
Sulfide	9/6/22 14:30	9/6/22 14:30			0	mg/L			FA

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

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 14:35

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC16798

Sample	Analysis	Units	MB	MB				Standard		Rec		Prec	Limit
				Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16798	Aluminum, Dissolved	mg/L	-0.00305	0.010	0.100	0.102	0.102	0.101	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16798	Aluminum, Total	mg/L	-0.00210	0.010	0.100	0.106	0.107	0.0992	0.0850 to 0.115	106	70.0 to 130	0.939	20.0
BC16798	Antimony, Dissolved	mg/L	0.000330	0.00100	0.100	0.0915	0.0909	0.0881	0.0850 to 0.115	91.5	70.0 to 130	0.658	20.0
BC16798	Antimony, Total	mg/L	0.000388	0.00100	0.100	0.0961	0.0980	0.0939	0.0850 to 0.115	96.1	70.0 to 130	1.96	20.0
BC16798	Arsenic, Dissolved	mg/L	0.0000182	0.000176	0.100	0.105	0.103	0.102	0.0850 to 0.115	105	70.0 to 130	1.92	20.0
BC16798	Arsenic, Total	mg/L	0.0000122	0.000176	0.100	0.105	0.104	0.100	0.0850 to 0.115	104	70.0 to 130	0.957	20.0
BC16798	Barium, Dissolved	mg/L	0.0000102	0.00100	0.100	0.199	0.195	0.0989	0.0850 to 0.115	99.5	70.0 to 130	2.03	20.0
BC16798	Barium, Total	mg/L	-0.0000195	0.00100	0.100	0.182	0.187	0.102	0.0850 to 0.115	98.5	70.0 to 130	2.71	20.0
BC16798	Beryllium, Dissolved	mg/L	0.0000478	0.000880	0.100	0.105	0.101	0.107	0.0850 to 0.115	105	70.0 to 130	3.88	20.0
BC16798	Beryllium, Total	mg/L	0.0000117	0.000880	0.100	0.0993	0.103	0.0991	0.0850 to 0.115	99.3	70.0 to 130	3.66	20.0
BC16798	Boron, Dissolved	mg/L	-0.00034	0.0650	1.00	1.02	1.01	0.971	0.850 to 1.15	102	70.0 to 130	0.985	20.0
BC16798	Boron, Total	mg/L	-0.000316	0.0650	1.00	1.02	1.02	0.952	0.850 to 1.15	102	70.0 to 130	0.00	20.0
BC16798	Cadmium, Dissolved	mg/L	0.0000000	0.000147	0.100	0.101	0.0981	0.102	0.0850 to 0.115	101	70.0 to 130	2.91	20.0
BC16798	Cadmium, Total	mg/L	0.0000039	0.000147	0.100	0.0994	0.0991	0.0960	0.0850 to 0.115	99.4	70.0 to 130	0.302	20.0
BC16798	Calcium, Dissolved	mg/L	-0.000895	0.152	5.00	119	120	4.72	4.25 to 5.75	100	70.0 to 130	0.837	20.0
BC16798	Calcium, Total	mg/L	-0.00715	0.152	5.00	96.5	99.5	4.85	4.25 to 5.75	-110	70.0 to 130	3.06	20.0
BC16798	Chloride	mg/L	-0.046	1.00	10.0	15.3	15.3	9.90	9.00 to 11.0	100	80.0 to 120	0.00	20.0
BC16798	Chromium, Dissolved	mg/L	-0.0000487	0.000440	0.100	0.102	0.100	0.103	0.0850 to 0.115	102	70.0 to 130	1.98	20.0
BC16798	Chromium, Total	mg/L	0.0000301	0.000440	0.100	0.101	0.103	0.0986	0.0850 to 0.115	101	70.0 to 130	1.96	20.0
BC16798	Cobalt, Dissolved	mg/L	-0.0000351	0.000147	0.100	0.101	0.0998	0.104	0.0850 to 0.115	101	70.0 to 130	1.20	20.0
BC16798	Cobalt, Total	mg/L	-0.0000368	0.000147	0.100	0.0994	0.101	0.100	0.0850 to 0.115	99.4	70.0 to 130	1.60	20.0
BC16798	Fluoride	mg/L	0.010	0.125	2.50	2.78	2.75	2.70	2.25 to 2.75	108	80.0 to 120	1.08	20.0
BC16798	Iron, Dissolved	mg/L	-0.000043	0.0176	0.2	1.25	1.25	0.197	0.170 to 0.230	100	70.0 to 130	0.00	20.0
BC16798	Iron, Total	mg/L	0.000549	0.0176	0.2	0.912	0.914	0.193	0.170 to 0.230	95.0	70.0 to 130	0.219	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 14:35

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC16798

Sample	Analysis	Units	MB					Standard		Rec		Prec	Limit
			MB	Limit	Spike	MS	MSD	Standard	Limit	Rec	Limit		
BC16798	Lead, Dissolved	mg/L	0.000067	0.000147	0.100	0.111	0.108	0.112	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16798	Lead, Total	mg/L	0.000055	0.000147	0.100	0.111	0.108	0.109	0.0850 to 0.115	111	70.0 to 130	2.74	20.0
BC16798	Lithium, Dissolved	mg/L	0.000002	0.0154	0.200	0.210	0.209	0.200	0.170 to 0.230	101	70.0 to 130	0.477	20.0
BC16798	Lithium, Total	mg/L	-0.000029	0.0154	0.200	0.212	0.207	0.201	0.170 to 0.230	106	70.0 to 130	2.39	20.0
BC16798	Magnesium, Dissolved	mg/L	-0.00409	0.0462	5.00	47.3	47.5	4.85	4.25 to 5.75	98.0	70.0 to 130	0.422	20.0
BC16798	Magnesium, Total	mg/L	0.000291	0.0462	5.00	35.3	35.1	4.99	4.25 to 5.75	100	70.0 to 130	0.568	20.0
BC16798	Manganese, Dissolved	mg/L	0.000089	0.00033	0.100	0.190	0.190	0.106	0.0850 to 0.115	102	70.0 to 130	0.00	20.0
BC16798	Manganese, Total	mg/L	0.000086	0.00033	0.100	0.174	0.179	0.103	0.0850 to 0.115	99.4	70.0 to 130	2.83	20.0
BC16798	Mercury, Total by CVAA	mg/L	3.000E-05	0.000500	0.004	0.004	0.00404	0.00401	0.00340 to 0.00460	100	70.0 to 130	0.995	20.0
BC16798	Molybdenum, Dissolved	mg/L	0.0000077	0.0002	0.100	0.0995	0.0992	0.0986	0.0850 to 0.115	99.2	70.0 to 130	0.302	20.0
BC16798	Molybdenum, Total	mg/L	0.0000152	0.0002	0.100	0.100	0.101	0.0959	0.0850 to 0.115	99.3	70.0 to 130	0.995	20.0
BC16798	Potassium, Dissolved	mg/L	0.0138	0.367	10.0	11.6	11.4	10.9	8.50 to 11.5	109	70.0 to 130	1.74	20.0
BC16798	Potassium, Total	mg/L	-0.00448	0.367	10.0	11.3	11.5	10.6	8.50 to 11.5	106	70.0 to 130	1.75	20.0
BC16798	Selenium, Dissolved	mg/L	0.0000946	0.00100	0.100	0.104	0.103	0.104	0.0850 to 0.115	104	70.0 to 130	0.966	20.0
BC16798	Selenium, Total	mg/L	0.000124	0.00100	0.100	0.102	0.103	0.0988	0.0850 to 0.115	102	70.0 to 130	0.976	20.0
BC16798	Silicon, Dissolved	mg/L	-0.00079	0.0440	1.00	6.56	6.56	0.988	0.850 to 1.15	101	70.0 to 130	0.00	20.0
BC16798	Silicon, Total	mg/L	-0.000144	0.0440	1.00	6.09	6.10	0.977	0.850 to 1.15	100	70.0 to 130	0.164	20.0
BC16798	Sodium, Dissolved	mg/L	0.00807	0.0660	5.00	15.5	15.5	5.03	4.25 to 5.75	102	70.0 to 130	0.00	20.0
BC16798	Sodium, Total	mg/L	0.00155	0.0660	5.00	24.4	23.8	5.09	4.25 to 5.75	110	70.0 to 130	2.49	20.0
BC16798	Sulfate	mg/L	-0.0921	2.0	320	469	467	19.2	18.0 to 22.0	100	80.0 to 120	0.427	20.0
BC16798	Thallium, Dissolved	mg/L	-0.0000575	0.000147	0.100	0.113	0.110	0.113	0.0850 to 0.115	113	70.0 to 130	2.69	20.0
BC16798	Thallium, Total	mg/L	-0.0000554	0.000147	0.100	0.111	0.111	0.111	0.0850 to 0.115	111	70.0 to 130	0.00	20.0
BC16798	Total Organic Carbon	mg/L	0.400	1.00	10.0	10.7	10.6	10.1		107	80.0 to 120	0.939	20.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Batch QC Summary

Customer Account: WMWGASAP

Sample Date: 9/6/22 14:35

Customer ID:

Delivery Date: 9/7/22 14:40

Description: Gaston Ash Pond - MW-14

Laboratory ID Number: BC16798

Sample	Analysis	Units	MB	MB Limit	Spike	MS	Sample Duplicate	Standard	Standard Limit	Rec	Rec Limit	Prec	Prec Limit
BC16798	Alkalinity to pH 4.5	mg CaCO3/L					264	50.5	45.0 to 55.0			0.378	10.0
BC16798	Nitrogen, Nitrate/Nitrite	mg/L as N	0.00	0.200	2.00	1.97	-0.001	1.88	1.80 to 2.20	98.5	90.0 to 110	0.00	15.0
BC16798	Solids, Dissolved	mg/L	1.00	25.0			457	49.0	40.0 to 60.0			1.09	10.0

Comments: Filtered LCS and MB were not submitted or analyzed with Dissolved Metals.

Definitions

Project Number: WMWGASAP_1382

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
 Lab Complete

Outside Lab

Lab ETA **08/30/2022 19:33**

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
	Collector: Anthony Goggins		Requested By: Greg Dyer
		Location	Gaston Ash Pond

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	Nitrite/Nitrate; TOC	N/A	6	Anions	250 mL	8	N/A	N/A

Comments: Relinquish samples to secure location GSC building 8 Shipping Lab. Added more nitric acid to MW-6 dissolved metals bottle upon receipt at 8/31/22 0820, pH <2 verified. RJ

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-38	08/29/2022	12:05	6	Groundwater		BC16331
MW-38DUP	08/29/2022	12:05	6	Sample Duplicate		BC16332
MW-41	08/29/2022	13:12	6	Groundwater		BC16333
MW-40	08/29/2022	14:24	6	Groundwater		BC16334
MW-42	08/29/2022	15:55	6	Groundwater		BC16335
MW-39	08/29/2022	16:54	6	Groundwater		BC16336
MW-26	08/29/2022	18:15	6	Groundwater		BC16337
MW-26DUP	08/29/2022	18:15	6	Sample Duplicate		BC16338
MW-5	08/30/2022	08:26	6	Groundwater		BC16339
MW-5DUP	08/30/2022	08:26	6	Sample Duplicate		BC16340
FB-2	08/30/2022	09:05	5	Field Blank		BC16341
MW-22	08/30/2022	09:22	6	Groundwater		BC16342
MW-21	08/30/2022	10:05	6	Groundwater		BC16343
MW-6	08/30/2022	10:45	6	Groundwater		BC16344
MW-7	08/30/2022	11:35	6	Groundwater		BC16345
MW-16	08/30/2022	12:45	6	Groundwater		BC16346
MW-16V	08/30/2022	13:43	6	Groundwater		BC16347
FB-3	08/30/2022	14:41	5	Field Blank		BC16348
MW-3	08/30/2022	16:00	6	Groundwater		BC16349

Relinquished By	Received By	Date/Time
	Renee Jernigan <small>Digitally signed by Renee Jernigan Date: 2022.08.31 11:30:07 -05'00'</small>	08/31/2022 11:30

SmarTroll ID	7586-41443-5-2	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	9830-57039-1-1	
Sample Event	1382	
Cooler Temp	1.4 °C	
Thermometer ID	7044-38282-2-2	
pH Strip ID	10275-59506-10-2/10429-60246-10-2	

Bottles/Pre-Preserved Bottles are provided by the GTL
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Gaston Ash Pond

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	N/A	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments: Relinquished to GSC Building 8 shipping lab

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
FB-1	08/29/2022	15:30	5	Field Blank		BC16350
MW-20V	08/29/2022	16:08	6	Groundwater		BC16351
MW-20SV	08/30/2022	08:32	6	Groundwater		BC16352
MW-20	08/30/2022	09:29	6	Groundwater		BC16353
MW-18	08/30/2022	10:38	6	Groundwater		BC16354
MW-18 dup	08/30/2022	10:38	6	Sample Duplicate		BC16355
MW-17	08/30/2022	12:02	6	Groundwater		BC16356
MW-17 dup	08/30/2022	12:02	6	Sample Duplicate		BC16357
MW-19	08/30/2022	15:09	6	Groundwater		BC16358
MW-4	08/30/2022	16:34	6	Groundwater		BC16359

Relinquished By	Received By	Date/Time
	Renee Jernigan <small>Digitally signed by Renee Jernigan Date: 2022.08.31 11:30:48 -05'00'</small>	08/31/2022 07:15

SmarTroll ID	7586-41444-5-3	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1382	
Cooler Temp	1.5 °C	
Thermometer ID	7044-38282-2-2	
pH Strip ID	10275-59506-10-2/10429-60246-10-2	

Bottles/Pre-Preserved Bottles are provided by the GTL
 Total Metals and Alkalinity are not performed on Dissolved Sets
 Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



Chain of Custody

Groundwater

APC General Testing Laboratory

 Field Complete
 Lab Complete

 Outside Lab


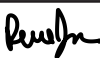
 Lab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer		
	Collector		TJ Daugherty	Requested By	Greg Dyer
					Location

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	Nitrate/Nitrite, TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments	<input type="text"/>
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Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-9	08/31/2022	11:22	6	Groundwater		BC16422
MW-8	08/31/2022	13:15	6	Groundwater		BC16423
MW-10	08/31/2022	15:43	6	Groundwater		BC16424

Relinquished By	Received By	Date/Time
		09/01/2022 07:47

SmarTroll ID	7586-41446-5-5	All pH requirements have been met <input checked="" type="checkbox"/>	
Turbidity ID	4677-23343-4-2		
Sample Event	1382		
		Cooler Temp	2.2 °C
		Thermometer ID	7044-38282-2-2
		pH Strip ID	10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL
 Total Metals and Alkalinity are not performed on Dissolved Sets
 Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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: Anthony Goggins		Requested By: Greg Dyer
		Location	Gaston Ash Pond

Bottles	1	2	3	4	5	6	7	8
	Metals	500 mL	Hg	250 mL	TDS/Alkalinity	500 mL	N/A	N/A
	Dissolved Metals	500 mL	Nitrite/Nitrate; TOC	250 mL	Anions	250 mL	N/A	N/A

 Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
FB-4	08/31/2022	09:30	5	Field Blank		BC16414
MW-15R	08/31/2022	09:45	6	Groundwater		BC16415
MW-30H	08/31/2022	11:05	6	Groundwater		BC16416
MW-31VR	08/31/2022	14:25	6	Groundwater		BC16417

Relinquished By	Received By	Date/Time
<i>Anthony Goggins</i>	<i>Greg Dyer</i>	09/01/2022 07:53

SmarTroll ID	7586-41443-5-2	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	9830-57039-1-1	
Sample Event	1382	
Cooler Temp	1.8 °C	
Thermometer ID	7044-38282-2-2	
pH Strip ID	10429-60246-10-2	

Bottles/Pre-Preserved Bottles are provided by the GTL.
 Total Metals and Alkalinity are not performed on Dissolved Sets.
 Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks.



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	Gaston Ash Pond

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	Nitrate/Nitrite; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

 Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-28H	08/31/2022	10:19	6	Groundwater		BC16418
MW-29H	08/31/2022	11:56	6	Groundwater		BC16419
MW-17V	08/31/2022	13:28	6	Groundwater		BC16420
MW-17SV	08/31/2022	14:37	6	Groundwater		BC16421

Relinquished By	Received By	Date/Time
<i>Dallas Gentry</i>	<i>[Signature]</i>	09/01/2022 07:52

SmarTroll ID	7586-41444-5-3	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1382	
Cooler Temp	2.0 °C	
Thermometer ID	7044-38282-2-2	
pH Strip ID	10429-60246-10-2	

Bottles/Pre-Preserved Bottles are provided by the GTL.
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Gaston Ash Pond

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	Nitrate/Nitrite, TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-11	09/06/2022	11:10	6	Groundwater		BC16796
MW-12	09/06/2022	12:45	6	Groundwater		BC16797
MW-14	09/06/2022	14:35	6	Groundwater		BC16798

Relinquished By	Received By	Date/Time
		09/07/2022 09:01
		09/07/2022 13:47

SmarTroll ID	7586-41446-5-5	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	4677-23343-4-2	
Sample Event	1382	
Cooler Temp	1.4 °C	
Thermometer ID	7044-38282-2-2	
pH Strip ID	10429-60246-10-2	

Bottles/Pre-Preserved Bottles are provided by the GTL
 Total Metals and Alkalinity are not performed on Dissolved Sets
 Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



Chain of Custody Groundwater APC General Testing Laboratory

 Field Complete
 Lab Complete Outside LabLab ETA

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer	
	Collector: Dallas Gentry		Requested By	Greg Dyer
		Location		Gaston Ash Pond

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	Nitrate/Nitrite; TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-37V	09/06/2022	09:45	6	Groundwater		BC16784
MW-32V	09/06/2022	11:13	6	Groundwater		BC16785
MW-36V	09/06/2022	13:44	6	Groundwater		BC16786
MW-33V	09/06/2022	15:16	6	Groundwater		BC16787
EB-1	09/07/2022	07:20	5	Equipment Blank		BC16788
MW-34V	09/07/2022	08:10	6	Groundwater		BC16789
MW-35V	09/07/2022	10:52	6	Groundwater		BC16790

Relinquished By	Received By	Date/Time
		09/07/2022 13:38

SmarTroll ID	7586-41444-5-3
Turbidity ID	3901-20010-2-2
Sample Event	1382

All pH requirements have been met

Cooler Temp	1.4 °C
Thermometer ID	7044-38282-2-2
pH Strip ID	10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL.
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Anthony Goggins	Requested By	Greg Dyer
		Location	Gaston Ash Pond

Bottles	1	Metals	500 mL	3	Hg	250 mL	5	TDS/Alkalinity	500 mL	7	N/A	N/A
	2	Dissolved Metals	500 mL	4	Nitrite/Nitrate;TOC	250 mL	6	Anions	250 mL	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-27	09/06/2022	14:30	6	Groundwater		BC16791
MW-23S	09/07/2022	09:12	6	Groundwater		BC16792
FB-5	09/07/2022	09:30	5	Field Blank		BC16793
MW-23D	09/07/2022	10:07	6	Groundwater		BC16794
MW-13	09/07/2022	11:57	6	Groundwater		BC16795

Relinquished By	Received By	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	09/07/2022 13:48

SmarTroll ID	7586-41443-5-2	All pH requirements have been met	<input checked="" type="checkbox"/>
Turbidity ID	9830-57039-1-1	Cooler Temp	1.4 °C
Sample Event	1382	Thermometer ID	7044-38282-2-2
		pH Strip ID	10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL.
 Total Metals and Alkalinity are not performed on Dissolved Sets
 Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



Chain of Custody

Groundwater

APC General Testing Laboratory

Field Complete
 Lab Complete

Outside Lab

Lab ETA **08/30/2022 19:33**

Requested Complete Date	Routine	Results To	Dustin Brooks, Greg Dyer
	Collector: Anthony Goggins		Requested By: Greg Dyer
		Location	Gaston Ash Pond

Bottles	1 Radium	1 L	3 N/A	N/A	5 N/A	N/A	7 N/A	N/A
	2 N/A	N/A	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: MS/MSD collected @ MW-41; Relinquish samples to secure location GSC building 8 Shipping Lab

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-38	08/29/2022	12:05	1	Groundwater		BC16360
MW-38DUP	08/29/2022	12:05	1	Sample Duplicate		BC16361
MW-41	08/29/2022	13:12	3	Groundwater		BC16362
MW-40	08/29/2022	14:24	1	Groundwater		BC16363
MW-42	08/29/2022	15:55	1	Groundwater		BC16364
MW-39	08/29/2022	16:54	1	Groundwater		BC16365
MW-26	08/29/2022	18:15	1	Groundwater		BC16366
MW-26DUP	08/29/2022	18:15	1	Sample Duplicate		BC16367
MW-5	08/30/2022	08:26	1	Groundwater		BC16368
MW-5DUP	08/30/2022	08:26	1	Sample Duplicate		BC16369
FB-2	08/30/2022	09:05	1	Field Blank		BC16370
MW-22	08/30/2022	09:22	1	Groundwater		BC16371
MW-21	08/30/2022	10:05	1	Groundwater		BC16372
MW-6	08/30/2022	10:45	1	Groundwater		BC16373
MW-7	08/30/2022	11:35	1	Groundwater		BC16374
MW-16	08/30/2022	12:45	1	Groundwater		BC16375
MW-16V	08/30/2022	13:43	1	Groundwater		BC16376
FB-3	08/30/2022	14:41	1	Field Blank		BC16377
MW-3	08/30/2022	16:00	1	Groundwater		BC16378

Relinquished By	Received By	Date/Time
	Renee Jernigan <small>Digitally signed by Renee Jernigan Date: 2022.08.31 11:31:17 -05'00'</small>	08/31/2022 11:31

SmarTroll ID	7586-41443-5-2	All pH requirements have been met <input checked="" type="checkbox"/>	
Turbidity ID	9830-57039-1-1		
Sample Event	1382		
		Cooler Temp	N/A
		Thermometer ID	N/A
		pH Strip ID	10275-59506-10-2/10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Gaston Ash Pond

Bottles	1 Radium 1 L	3 N/A	N/A	5 N/A	N/A	7 N/A	N/A
	2 N/A	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: Radium MS/MSD collected at MW-20SV. Relinquished to GSC Building 8 shipping lab

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
FB-1	08/29/2022	15:30	1	Field Blank		BC16379
MW-20V	08/29/2022	16:08	1	Groundwater		BC16380
MW-20SV	08/30/2022	08:32	3	Groundwater		BC16381
MW-20	08/30/2022	09:29	1	Groundwater		BC16382
MW-18	08/30/2022	10:38	1	Groundwater		BC16383
MW-18 dup	08/30/2022	10:38	1	Sample Duplicate		BC16384
MW-17	08/30/2022	12:02	1	Groundwater		BC16385
MW-17 dup	08/30/2022	12:02	1	Sample Duplicate		BC16386
MW-19	08/30/2022	15:09	1	Groundwater		BC16387
MW-4	08/30/2022	16:34	1	Groundwater		BC16388

Relinquished By	Received By	Date/Time
	Renee Jernigan <small>Digitally signed by Renee Jernigan Date: 2022.08.31 11:31:57 -05'00'</small>	08/31/2022 07:16

SmarTroll ID	7586-41444-5-3	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	
Sample Event	1382	
Cooler Temp	N/A	
Thermometer ID	N/A	
pH Strip ID	10275-59506-10-2/10429-60246-10-2	

Bottles/Pre-Preserved Bottles are provided by the GTL
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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: Anthony Goggins		Requested By	Greg Dyer
		Location		Gaston Ash Pond

Bottles	1	2	3	4	5	6	7	8
	Radium	1 L	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
FB-4	08/31/2022	09:30	1	Field Blank		BC16425
MW-15R	08/31/2022	09:45	1	Groundwater		BC16426
MW-30H	08/31/2022	11:05	1	Groundwater		BC16427
MW-31VR	08/31/2022	14:25	1	Groundwater		BC16428

Relinquished By 	Received By 	Date/Time 09/01/2022 07:52

SmarTroll ID	7586-41443-5-2	All pH requirements have been met <input checked="" type="checkbox"/> Cooler Temp <input style="width: 100%; height: 20px; background-color: #d3d3d3;" type="text"/> N/A Thermometer ID <input style="width: 100%; height: 20px; background-color: #d3d3d3;" type="text"/> N/A pH Strip ID <input style="width: 100%; height: 20px; background-color: #d3d3d3;" type="text"/> 10429-60246-10-2
Turbidity ID	9830-57039-1-1	
Sample Event	1382	

Bottles/Pre-Preserved Bottles are provided by the GTL.
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Gaston Ash Pond

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-28H	08/31/2022	10:19	1	Groundwater		BC16429
MW-29H	08/31/2022	11:56	1	Groundwater		BC16430
MW-17V	08/31/2022	13:28	1	Groundwater		BC16431
MW-17SV	08/31/2022	14:37	1	Groundwater		BC16432

Relinquished By	Received By	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	09/01/2022 07:52

SmarTroll ID	7586-41444-5-3	All pH requirements have been met <input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	Cooler Temp
Sample Event	1382	Thermometer ID
		pH Strip ID
		N/A
		N/A
		10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



Chain of Custody Groundwater

Field Complete
 Lab Complete

Outside Lab

APC General Testing Laboratory

Lab ETA []

Requested Complete Date Routine
 Collector TJ Daugherty
 Results To Dustin Brooks, Greg Dyer
 Requested By Greg Dyer
 Location Gaston Ash Pond

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments Corrected bottle count to 1 bottle at log in. RJ

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-9	08/31/2022	11:22	1	Groundwater		BC16433
MW-8	08/31/2022	13:15	1	Groundwater		BC16434
MW-10	08/31/2022	15:43	1	Groundwater		BC16435

Relinquished By *[Signature]*
 Received By *[Signature]*
 Date/Time 09/01/2022 07:47

SmarTroll ID 7586-41446-5-5
 Turbidity ID 4677-23343-4-2
 Sample Event 1382

All pH requirements have been met
 Cooler Temp N/A
 Thermometer ID N/A
 pH Strip ID 10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL. Total Metals and Alkalinity are not performed on Dissolved Sets. Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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: TJ Daugherty		Requested By
		Location	Gaston Ash Pond

Bottles	1	Radium	1 L	3	N/A	N/A	5	N/A	N/A	7	N/A	N/A
	2	N/A	N/A	4	N/A	N/A	6	N/A	N/A	8	N/A	N/A

Comments: Corrected bottle count to 1 at login. RJ

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-11	09/06/2022	11:10	1	Groundwater		BC16811
MW-12	09/06/2022	12:45	1	Groundwater		BC16812
MW-14	09/06/2022	14:35	1	Groundwater		BC16813

Relinquished By	Received By	Date/Time
		09/07/2022 09:01
		09/07/2022 13:47

SmarTroll ID	7586-41446-5-5	All pH requirements have been met <input checked="" type="checkbox"/>	
Turbidity ID	4677-23343-4-2		
Sample Event	1382		
		Cooler Temp	N/A
		Thermometer ID	N/A
		pH Strip ID	10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL.
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Gaston Ash Pond

Bottles	1 Radium	1 L	3 N/A	N/A	5 N/A	N/A	7 N/A	N/A
	2 N/A	N/A	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-37V	09/06/2022	09:45	1	Groundwater		BC16799
MW-32V	09/06/2022	11:13	1	Groundwater		BC16800
MW-36V	09/06/2022	13:44	1	Groundwater		BC16801
MW-33V	09/06/2022	15:16	1	Groundwater		BC16802
EB-1	09/07/2022	07:20	1	Equipment Blank		BC16803
MW-34V	09/07/2022	08:10	1	Groundwater		BC16804
MW-35V	09/07/2022	10:52	1	Groundwater		BC16805

Relinquished By	Received By	Date/Time
<i>Dallas Gentry</i>	<i>Greg Dyer</i>	09/07/2022 13:38

SmarTroll ID	7586-41444-5-3	All pH requirements have been met	<input checked="" type="checkbox"/>
Turbidity ID	3901-20010-2-2	Cooler Temp	N/A
Sample Event	1382	Thermometer ID	N/A
		pH Strip ID	10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL.
Total Metals and Alkalinity are not performed on Dissolved Sets
Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks



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	Anthony Goggins	Requested By	Greg Dyer
		Location	Gaston Ash Pond

Bottles	1 Radium	1 L	3 N/A	N/A	5 N/A	N/A	7 N/A	N/A
	2 N/A	N/A	4 N/A	N/A	6 N/A	N/A	8 N/A	N/A

Comments: MS/MSD collected @ MW-27

Sample #	Date	Time	Bottle Count	Description	Lab Filter	Lab Id
MW-27	09/06/2022	14:30	3	Groundwater		BC16806
MW-23S	09/07/2022	09:12	1	Groundwater		BC16807
FB-5	09/07/2022	09:30	1	Field Blank		BC16808
MW-23D	09/07/2022	10:07	1	Groundwater		BC16809
MW-13	09/07/2022	11:57	1	Groundwater		BC16810

Relinquished By	Received By	Date/Time
<i>Anthony Goggins</i>	<i>Greg Dyer</i>	09/07/2022 13:48

SmarTroll ID	7586-41443-5-2	All pH requirements have been met	<input checked="" type="checkbox"/>
Turbidity ID	9830-57039-1-1	Cooler Temp	N/A
Sample Event	1382	Thermometer ID	N/A
		pH Strip ID	10429-60246-10-2

Bottles/Pre-Preserved Bottles are provided by the GTL.
 Total Metals and Alkalinity are not performed on Dissolved Sets
 Dissolved Metals and Alkalinity are not performed on blanks i.e. Field Blanks or Equipment Blanks

October 04, 2022

Brooke Caton
Alabama Power
744 Highway 87
Calera, AL 35040

RE: Project: WMWGASAP_1382
Pace Project No.: 30521575

Dear Brooke Caton:

Enclosed are the analytical results for sample(s) received by the laboratory on September 13, 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WMWGASAP_1382
Pace Project No.: 30521575

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30521575001	BC16360 MW-38	Water	08/29/22 12:05	09/13/22 10:10
30521575002	BC16361 MW-38 DUP	Water	08/29/22 12:05	09/13/22 10:10
30521575003	BC16362 MW-41	Water	08/29/22 13:12	09/13/22 10:10
30521575004	BC16362 MW-41 MS	Water	08/29/22 13:12	09/13/22 10:10
30521575005	BC16362 MW-41 MSD	Water	08/29/22 13:12	09/13/22 10:10
30521575006	BC16363 MW-40	Water	08/29/22 14:24	09/13/22 10:10
30521575007	BC16364 MW-42	Water	08/29/22 15:55	09/13/22 10:10
30521575008	BC16365 MW-39	Water	08/29/22 16:54	09/13/22 10:10
30521575009	BC16366 MW-26	Water	08/29/22 18:15	09/13/22 10:10
30521575010	BC16367 MW-26 DUP	Water	08/29/22 18:15	09/13/22 10:10
30521575011	BC16368 MW-5	Water	08/30/22 08:26	09/13/22 10:10
30521575012	BC16369 MW-5 DUP	Water	08/30/22 08:26	09/13/22 10:10
30521575013	BC16370 FB-2	Water	08/30/22 09:05	09/13/22 10:10
30521575014	BC16371 MW-22	Water	08/30/22 09:22	09/13/22 10:10
30521575015	BC16372 MW-21	Water	08/30/22 10:05	09/13/22 10:10
30521575016	BC16373 MW-6	Water	08/30/22 10:45	09/13/22 10:10
30521575017	BC16374 MW-7	Water	08/30/22 11:35	09/13/22 10:10
30521575018	BC16375 MW-16	Water	08/30/22 12:45	09/13/22 10:10
30521575019	BC16376 MW-16V	Water	08/30/22 13:43	09/13/22 10:10
30521575020	BC16377 FB-3	Water	08/30/22 14:41	09/13/22 10:10
30521575021	BC16378 MW-3	Water	08/30/22 16:00	09/13/22 10:10
30521575022	BC16379 FB-1	Water	08/29/22 15:30	09/13/22 10:10
30521575023	BC16380 MW-20V	Water	08/29/22 16:08	09/13/22 10:10
30521575024	BC16381 MW-20SV	Water	08/30/22 08:32	09/13/22 10:10
30521575025	BC16381 MW-20SV MS	Water	08/30/22 08:32	09/13/22 10:10
30521575026	BC16381 MW-20SV MSD	Water	08/30/22 08:32	09/13/22 10:10
30521575027	BC16382 MW-20	Water	08/30/22 09:29	09/13/22 10:10
30521575028	BC16383 MW-18	Water	08/30/22 10:38	09/13/22 10:10
30521575029	BC16384 MW-18 DUP	Water	08/30/22 10:38	09/13/22 10:10
30521575030	BC16385 MW-17	Water	08/30/22 12:02	09/13/22 10:10
30521575031	BC16386 MW-17 DUP	Water	08/30/22 12:02	09/13/22 10:10
30521575032	BC16387 MW-19	Water	08/30/22 15:09	09/13/22 10:10
30521575033	BC16388 MW-4	Water	08/30/22 16:34	09/13/22 10:10
30521575034	BC16425 FB-4	Water	08/31/22 09:30	09/13/22 10:10
30521575035	BC16426 MW-15R	Water	08/31/22 09:45	09/13/22 10:10
30521575036	BC16427 MW-30H	Water	08/31/22 11:05	09/13/22 10:10
30521575037	BC16428 MW-31VR	Water	08/31/22 14:25	09/13/22 10:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30521575038	BC16429 MW-28H	Water	08/31/22 10:19	09/13/22 10:10
30521575039	BC16430 MW-29H	Water	08/31/22 11:56	09/13/22 10:10
30521575040	BC16431 MW-17V	Water	08/31/22 13:28	09/13/22 10:10
30521575041	BC16432 MW-17SV	Water	08/31/22 14:37	09/13/22 10:10
30521575042	BC16433 MW-9	Water	08/31/22 11:22	09/13/22 10:10
30521575043	BC16434 MW-8	Water	08/31/22 13:15	09/13/22 10:10
30521575044	BC16435 MW-10	Water	08/31/22 15:43	09/13/22 10:10
30521575045	BC16799 MW-37V	Water	09/06/22 09:45	09/13/22 10:10
30521575046	BC16800 MW-32V	Water	09/06/22 11:13	09/13/22 10:10
30521575047	BC16801 MW-36V	Water	09/06/22 13:44	09/13/22 10:10
30521575048	BC16802 MW-33V	Water	09/06/22 15:16	09/13/22 10:10
30521575049	BC16803 EB-1	Water	09/07/22 07:20	09/13/22 10:10
30521575050	BC16804 MW-34V	Water	09/07/22 08:10	09/13/22 10:10
30521575051	BC16805 MW-35V	Water	09/07/22 10:52	09/13/22 10:10
30521575052	BC16806 MW-27	Water	09/06/22 14:30	09/13/22 10:10
30521575053	BC16806 MW-27 MS	Water	09/06/22 14:30	09/13/22 10:10
30521575054	BC16806 MW-27 MSD	Water	09/06/22 14:30	09/13/22 10:10
30521575055	BC16807 MW-23S	Water	09/07/22 09:12	09/13/22 10:10
30521575056	BC16808 FB-5	Water	09/07/22 09:30	09/13/22 10:10
30521575057	BC16809 MW-23D	Water	09/07/22 10:07	09/13/22 10:10
30521575058	BC16810 MW-13	Water	09/07/22 11:57	09/13/22 10:10
30521575059	BC16811 MW-11	Water	09/06/22 11:10	09/13/22 10:10
30521575060	BC16812 MW-12	Water	09/06/22 12:45	09/13/22 10:10
30521575061	BC16813 MW-14	Water	09/06/22 14:35	09/13/22 10:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1382
Pace Project No.: 30521575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30521575001	BC16360 MW-38	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575002	BC16361 MW-38 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575003	BC16362 MW-41	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575004	BC16362 MW-41 MS	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575005	BC16362 MW-41 MSD	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575006	BC16363 MW-40	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575007	BC16364 MW-42	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575008	BC16365 MW-39	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575009	BC16366 MW-26	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575010	BC16367 MW-26 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575011	BC16368 MW-5	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575012	BC16369 MW-5 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575013	BC16370 FB-2	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: WMWGASAP_1382
Pace Project No.: 30521575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30521575014	BC16371 MW-22	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575015	BC16372 MW-21	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575016	BC16373 MW-6	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575017	BC16374 MW-7	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575018	BC16375 MW-16	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575019	BC16376 MW-16V	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575020	BC16377 FB-3	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575021	BC16378 MW-3	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575022	BC16379 FB-1	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575023	BC16380 MW-20V	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575024	BC16381 MW-20SV	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575025	BC16381 MW-20SV MS	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575026	BC16381 MW-20SV MSD	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1382
Pace Project No.: 30521575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30521575027	BC16382 MW-20	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575028	BC16383 MW-18	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575029	BC16384 MW-18 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575030	BC16385 MW-17	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575031	BC16386 MW-17 DUP	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575032	BC16387 MW-19	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575033	BC16388 MW-4	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575034	BC16425 FB-4	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575035	BC16426 MW-15R	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575036	BC16427 MW-30H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575037	BC16428 MW-31VR	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575038	BC16429 MW-28H	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
30521575039	BC16430 MW-29H	EPA 9315	RMS	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1382
Pace Project No.: 30521575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30521575040	BC16431 MW-17V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575041	BC16432 MW-17SV	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575042	BC16433 MW-9	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575043	BC16434 MW-8	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575044	BC16435 MW-10	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575045	BC16799 MW-37V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575046	BC16800 MW-32V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575047	BC16801 MW-36V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575048	BC16802 MW-33V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575049	BC16803 EB-1	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575050	BC16804 MW-34V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575051	BC16805 MW-35V	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: WMWGASAP_1382
Pace Project No.: 30521575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30521575052	BC16806 MW-27	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575053	BC16806 MW-27 MS	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575054	BC16806 MW-27 MSD	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
30521575055	BC16807 MW-23S	EPA 9320	VAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575056	BC16808 FB-5	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575057	BC16809 MW-23D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575058	BC16810 MW-13	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575059	BC16811 MW-11	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575060	BC16812 MW-12	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
30521575061	BC16813 MW-14	Total Radium Calculation	JAL	1	PASI-PA
		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: WMWGASAP_1382

Pace Project No.: 30521575

Method: EPA 9315

Description: 9315 Total Radium

Client: Alabama Power

Date: October 04, 2022

General Information:

61 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1382

Pace Project No.: 30521575

Method: EPA 9320

Description: 9320 Radium 228

Client: Alabama Power

Date: October 04, 2022

General Information:

61 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WMWGASAP_1382

Pace Project No.: 30521575

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Alabama Power

Date: October 04, 2022

General Information:

55 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.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16360 MW-38 **Lab ID: 30521575001** Collected: 08/29/22 12:05 Received: 09/13/22 10:10 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	-0.0139U ± 0.111 (0.324) C:95% T:NA	pCi/L	09/29/22 19:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.530 ± 0.290 (0.503) C:81% T:91%	pCi/L	09/28/22 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.530U ± 0.401 (0.827)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16361 MW-38 DUP **Lab ID: 30521575002** Collected: 08/29/22 12:05 Received: 09/13/22 10:10 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	0.0244U ± 0.130 (0.338) C:94% T:NA	pCi/L	09/29/22 19:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.27 ± 0.438 (0.581) C:77% T:85%	pCi/L	09/28/22 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.29 ± 0.568 (0.919)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16362 MW-41 **Lab ID: 30521575003** Collected: 08/29/22 13:12 Received: 09/13/22 10:10 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	0.0693U ± 0.126 (0.287) C:97% T:NA	pCi/L	09/29/22 19:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.177U ± 0.278 (0.603) C:83% T:90%	pCi/L	09/28/22 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.246U ± 0.404 (0.890)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16362 MW-41 MS **Lab ID: 30521575004** Collected: 08/29/22 13:12 Received: 09/13/22 10:10 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	101.87 %REC ± NA (NA) C:NA T:NA	pCi/L	09/29/22 19:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	84.86 %REC ± NA (NA) C:NA T:NA	pCi/L	09/28/22 11:39	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16362 MW-41 MSD **Lab ID: 30521575005** Collected: 08/29/22 13:12 Received: 09/13/22 10:10 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	94.69 %REC 7.30 RPD ± NA (NA) C:NA T:NA	pCi/L	09/29/22 19:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	67.83 %REC 22.31 RPD ± NA (NA) C:NA T:NA	pCi/L	09/28/22 11:39	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16363 MW-40 **Lab ID: 30521575006** Collected: 08/29/22 14:24 Received: 09/13/22 10:10 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	0.00194U ± 0.0990 (0.282) C:94% T:NA	pCi/L	09/29/22 19:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.00993U ± 0.297 (0.704) C:69% T:87%	pCi/L	09/28/22 11:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.00194U ± 0.396 (0.986)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16364 MW-42 **Lab ID: 30521575007** Collected: 08/29/22 15:55 Received: 09/13/22 10:10 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	0.213U ± 0.173 (0.292) C:95% T:NA	pCi/L	09/29/22 18:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.417U ± 0.348 (0.698) C:77% T:87%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.630U ± 0.521 (0.990)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16365 MW-39 **Lab ID: 30521575008** Collected: 08/29/22 16:54 Received: 09/13/22 10:10 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 ± 0.205 (0.415) C:94% T:NA	pCi/L	09/29/22 18:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.348U ± 0.310 (0.624) C:77% T:87%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.527U ± 0.515 (1.04)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16366 MW-26 **Lab ID: 30521575009** Collected: 08/29/22 18:15 Received: 09/13/22 10:10 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	0.0439U ± 0.122 (0.299) C:91% T:NA	pCi/L	09/29/22 18:17	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.329U ± 0.287 (0.576) C:83% T:91%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.373U ± 0.409 (0.875)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16367 MW-26 DUP **Lab ID: 30521575010** Collected: 08/29/22 18:15 Received: 09/13/22 10:10 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	0.0228U ± 0.129 (0.333) C:95% T:NA	pCi/L	09/29/22 18:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.979 ± 0.478 (0.816) C:78% T:70%	pCi/L	09/28/22 11:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.00U ± 0.607 (1.15)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16368 MW-5 **Lab ID: 30521575011** Collected: 08/30/22 08:26 Received: 09/13/22 10:10 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	0.170U ± 0.221 (0.468) C:96% T:NA	pCi/L	09/29/22 18:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.605U ± 0.348 (0.634) C:81% T:87%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.775U ± 0.569 (1.10)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16369 MW-5 DUP **Lab ID: 30521575012** Collected: 08/30/22 08:26 Received: 09/13/22 10:10 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	0.286U ± 0.192 (0.294) C:97% T:NA	pCi/L	09/30/22 08:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.545U ± 0.334 (0.617) C:82% T:84%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.831U ± 0.526 (0.911)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16370 FB-2 **Lab ID: 30521575013** Collected: 08/30/22 09:05 Received: 09/13/22 10:10 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	0.252U ± 0.207 (0.363) C:97% T:NA	pCi/L	09/30/22 08:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.698 ± 0.385 (0.695) C:78% T:87%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.950U ± 0.592 (1.06)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16371 MW-22 **Lab ID: 30521575014** Collected: 08/30/22 09:22 Received: 09/13/22 10:10 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 ± 0.193 (0.365) C:93% T:NA	pCi/L	09/30/22 08:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.570U ± 0.356 (0.657) C:79% T:78%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.759U ± 0.549 (1.02)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16372 MW-21 **Lab ID: 30521575015** Collected: 08/30/22 10:05 Received: 09/13/22 10:10 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	0.218U ± 0.192 (0.343) C:91% T:NA	pCi/L	09/30/22 08:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.479U ± 0.297 (0.540) C:74% T:93%	pCi/L	09/28/22 11:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.697U ± 0.489 (0.883)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16373 MW-6 **Lab ID: 30521575016** Collected: 08/30/22 10:45 Received: 09/13/22 10:10 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	0.304U ± 0.205 (0.318) C:95% T:NA	pCi/L	09/30/22 08:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.552U ± 0.321 (0.566) C:76% T:82%	pCi/L	09/28/22 11:39	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.856U ± 0.526 (0.884)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16374 MW-7 **Lab ID: 30521575017** Collected: 08/30/22 11:35 Received: 09/13/22 10:10 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	0.0819U ± 0.141 (0.315) C:93% T:NA	pCi/L	09/29/22 19:59	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.760 ± 0.378 (0.648) C:79% T:85%	pCi/L	09/28/22 11:40	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.842U ± 0.519 (0.963)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16375 MW-16 **Lab ID: 30521575018** Collected: 08/30/22 12:45 Received: 09/13/22 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	3.62 ± 0.821 (0.416) C:93% T:NA	pCi/L	09/29/22 19:59	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.33 ± 0.482 (0.703) C:80% T:84%	pCi/L	09/28/22 11:40	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	4.95 ± 1.30 (1.12)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16376 MW-16V **Lab ID: 30521575019** Collected: 08/30/22 13:43 Received: 09/13/22 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	2.40 ± 0.592 (0.330) C:90% T:NA	pCi/L	09/29/22 20:00	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.588 ± 0.328 (0.576) C:78% T:87%	pCi/L	09/28/22 11:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.99 ± 0.920 (0.906)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16377 FB-3 **Lab ID: 30521575020** Collected: 08/30/22 14:41 Received: 09/13/22 10:10 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 ± 0.186 (0.404) C:96% T:NA	pCi/L	09/29/22 20:00	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.349U ± 0.339 (0.692) C:76% T:83%	pCi/L	09/28/22 11:40	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.479U ± 0.525 (1.10)	pCi/L	09/30/22 16:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16378 MW-3 **Lab ID: 30521575021** Collected: 08/30/22 16:00 Received: 09/13/22 10:10 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 ± 0.144 (0.281) C:96% T:NA	pCi/L	10/02/22 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.712 ± 0.373 (0.658) C:81% T:89%	pCi/L	09/29/22 11:41	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.842U ± 0.517 (0.939)	pCi/L	10/03/22 12:21	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16379 FB-1 **Lab ID: 30521575022** Collected: 08/29/22 15:30 Received: 09/13/22 10:10 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	0.0911U ± 0.133 (0.285) C:96% T:NA	pCi/L	10/02/22 10:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.390U ± 0.360 (0.730) C:71% T:84%	pCi/L	09/29/22 11:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.481U ± 0.493 (1.02)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16380 MW-20V **Lab ID: 30521575023** Collected: 08/29/22 16:08 Received: 09/13/22 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	3.01 ± 0.659 (0.291) C:92% T:NA	pCi/L	10/02/22 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.705 ± 0.364 (0.626) C:76% T:88%	pCi/L	09/29/22 11:41	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.72 ± 1.02 (0.917)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16381 MW-20SV **Lab ID: 30521575024** Collected: 08/30/22 08:32 Received: 09/13/22 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.71 ± 0.471 (0.376) C:93% T:NA	pCi/L	10/02/22 10:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.365U ± 0.287 (0.564) C:84% T:91%	pCi/L	09/29/22 11:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.08 ± 0.758 (0.940)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16381 MW-20SV MS **Lab ID: 30521575025** Collected: 08/30/22 08:32 Received: 09/13/22 10:10 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	105.11 %REC ± NA (NA) C:NA T:NA	pCi/L	10/02/22 10:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	113.57 %REC ± NA (NA) C:NA T:NA	pCi/L	09/29/22 11:42	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16381 MW-20SV MSD **Lab ID: 30521575026** Collected: 08/30/22 08:32 Received: 09/13/22 10:10 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	99.45 %REC 5.53 RPD ± NA (NA) C:NA T:NA	pCi/L	10/02/22 10:22	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	108.29 %REC 4.76 RPD ± NA (NA) C:NA T:NA	pCi/L	09/29/22 11:42	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16382 MW-20 **Lab ID: 30521575027** Collected: 08/30/22 09:29 Received: 09/13/22 10:10 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	11.3 ± 1.91 (0.302) C:93% T:NA	pCi/L	10/02/22 10:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.43 ± 0.493 (0.687) C:76% T:91%	pCi/L	09/29/22 11:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	12.7 ± 2.40 (0.989)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16383 MW-18 **Lab ID: 30521575028** Collected: 08/30/22 10:38 Received: 09/13/22 10:10 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	0.621 ± 0.274 (0.336) C:91% T:NA	pCi/L	10/02/22 10:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.839 ± 0.402 (0.681) C:74% T:91%	pCi/L	09/29/22 11:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.46 ± 0.676 (1.02)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16384 MW-18 DUP **Lab ID: 30521575029** Collected: 08/30/22 10:38 Received: 09/13/22 10:10 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	0.856 ± 0.304 (0.258) C:92% T:NA	pCi/L	10/02/22 10:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.12 ± 0.448 (0.697) C:76% T:90%	pCi/L	09/29/22 11:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.98 ± 0.752 (0.955)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16385 MW-17 **Lab ID: 30521575030** Collected: 08/30/22 12:02 Received: 09/13/22 10:10 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	0.406 ± 0.220 (0.302) C:96% T:NA	pCi/L	10/02/22 10:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.735 ± 0.355 (0.588) C:82% T:93%	pCi/L	09/29/22 11:43	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.14 ± 0.575 (0.890)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16386 MW-17 DUP **Lab ID: 30521575031** Collected: 08/30/22 12:02 Received: 09/13/22 10:10 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	0.506 ± 0.232 (0.232) C:95% T:NA	pCi/L	10/02/22 10:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.571U ± 0.343 (0.607) C:67% T:92%	pCi/L	09/29/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.08 ± 0.575 (0.839)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16387 MW-19 **Lab ID: 30521575032** Collected: 08/30/22 15:09 Received: 09/13/22 10:10 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	0.420 ± 0.222 (0.288) C:92% T:NA	pCi/L	10/02/22 10:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.584U ± 0.355 (0.642) C:71% T:91%	pCi/L	09/29/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.00 ± 0.577 (0.930)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16388 MW-4 **Lab ID: 30521575033** Collected: 08/30/22 16:34 Received: 09/13/22 10:10 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	0.121U ± 0.142 (0.286) C:92% T:NA	pCi/L	10/02/22 10:23	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.986 ± 0.456 (0.755) C:74% T:84%	pCi/L	09/29/22 15:07	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.11 ± 0.598 (1.04)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16425 FB-4 **Lab ID: 30521575034** Collected: 08/31/22 09:30 Received: 09/13/22 10:10 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 ± 0.123 (0.285) C:95% T:NA	pCi/L	10/02/22 10:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.452U ± 0.360 (0.708) C:77% T:85%	pCi/L	09/29/22 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.514U ± 0.483 (0.993)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16426 MW-15R **Lab ID: 30521575035** Collected: 08/31/22 09:45 Received: 09/13/22 10:10 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	0.323U ± 0.212 (0.325) C:89% T:NA	pCi/L	10/02/22 10:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.545U ± 0.372 (0.712) C:75% T:92%	pCi/L	09/29/22 15:07	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.868U ± 0.584 (1.04)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16427 MW-30H **Lab ID: 30521575036** Collected: 08/31/22 11:05 Received: 09/13/22 10:10 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	0.872 ± 0.342 (0.344) C:84% T:NA	pCi/L	10/02/22 10:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.04 ± 0.434 (0.688) C:76% T:94%	pCi/L	09/29/22 15:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.91 ± 0.776 (1.03)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382
Pace Project No.: 30521575

Sample: BC16428 MW-31VR **Lab ID: 30521575037** Collected: 08/31/22 14:25 Received: 09/13/22 10:10 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 ± 0.165 (0.336) C:94% T:NA	pCi/L	10/02/22 10:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.757U ± 0.454 (0.830) C:69% T:79%	pCi/L	09/29/22 15:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.888U ± 0.619 (1.17)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16429 MW-28H **Lab ID: 30521575038** Collected: 08/31/22 10:19 Received: 09/13/22 10:10 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	5.49 ± 1.08 (0.315) C:90% T:NA	pCi/L	10/02/22 10:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.34 ± 0.524 (0.760) C:66% T:82%	pCi/L	09/29/22 15:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	6.83 ± 1.60 (1.08)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16430 MW-29H **Lab ID: 30521575039** Collected: 08/31/22 11:56 Received: 09/13/22 10:10 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	14.2 ± 2.33 (0.321) C:88% T:NA	pCi/L	10/02/22 10:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	2.77 ± 0.741 (0.769) C:79% T:84%	pCi/L	09/29/22 15:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	17.0 ± 3.07 (1.09)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16431 MW-17V **Lab ID: 30521575040** Collected: 08/31/22 13:28 Received: 09/13/22 10:10 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	8.25 ± 1.45 (0.307) C:91% T:NA	pCi/L	10/02/22 10:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	2.75 ± 0.713 (0.662) C:70% T:96%	pCi/L	09/29/22 15:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	11.0 ± 2.16 (0.969)	pCi/L	10/03/22 12:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16432 MW-17SV **Lab ID: 30521575041** Collected: 08/31/22 14:37 Received: 09/13/22 10:10 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	0.409U ± 0.272 (0.474) C:89% T:NA	pCi/L	10/02/22 10:28	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.21 ± 0.532 (0.882) C:69% T:76%	pCi/L	09/30/22 12:14	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.62 ± 0.804 (1.36)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16433 MW-9 **Lab ID: 30521575042** Collected: 08/31/22 11:22 Received: 09/13/22 10:10 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	0.380 ± 0.211 (0.299) C:92% T:NA	pCi/L	10/02/22 10:28	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.361U ± 0.342 (0.700) C:70% T:93%	pCi/L	09/30/22 12:14	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.741U ± 0.553 (0.999)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16434 MW-8 **Lab ID: 30521575043** Collected: 08/31/22 13:15 Received: 09/13/22 10:10 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	0.0436U ± 0.109 (0.264) C:89% T:NA	pCi/L	10/02/22 10:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.366U ± 0.353 (0.727) C:72% T:97%	pCi/L	09/30/22 12:15	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.410U ± 0.462 (0.991)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16435 MW-10 **Lab ID: 30521575044** Collected: 08/31/22 15:43 Received: 09/13/22 10:10 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	0.00815U ± 0.102 (0.277) C:93% T:NA	pCi/L	10/02/22 10:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.722 ± 0.389 (0.699) C:76% T:86%	pCi/L	09/30/22 12:15	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.730U ± 0.491 (0.976)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16799 MW-37V **Lab ID: 30521575045** Collected: 09/06/22 09:45 Received: 09/13/22 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	2.75 ± 0.639 (0.280) C:91% T:NA	pCi/L	10/03/22 10:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.17 ± 0.523 (0.881) C:69% T:81%	pCi/L	09/30/22 12:15	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	3.92 ± 1.16 (1.16)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16800 MW-32V **Lab ID: 30521575046** Collected: 09/06/22 11:13 Received: 09/13/22 10:10 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	0.624 ± 0.274 (0.330) C:87% T:NA	pCi/L	10/03/22 10:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.64 ± 0.572 (0.825) C:69% T:86%	pCi/L	09/30/22 12:15	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.26 ± 0.846 (1.16)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16801 MW-36V **Lab ID: 30521575047** Collected: 09/06/22 13:44 Received: 09/13/22 10:10 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	0.744 ± 0.293 (0.246) C:94% T:NA	pCi/L	10/02/22 10:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.19 ± 0.499 (0.811) C:71% T:85%	pCi/L	09/30/22 12:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.93 ± 0.792 (1.06)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16802 MW-33V **Lab ID: 30521575048** Collected: 09/06/22 15:16 Received: 09/13/22 10:10 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	0.385 ± 0.206 (0.247) C:95% T:NA	pCi/L	10/02/22 10:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.41 ± 0.500 (0.726) C:70% T:93%	pCi/L	09/30/22 12:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.80 ± 0.706 (0.973)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16803 EB-1 **Lab ID: 30521575049** Collected: 09/07/22 07:20 Received: 09/13/22 10:10 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	0.0290U ± 0.117 (0.305) C:94% T:NA	pCi/L	10/02/22 10:30	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.463U ± 0.358 (0.706) C:71% T:85%	pCi/L	09/30/22 12:16	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.492U ± 0.475 (1.01)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382
Pace Project No.: 30521575

Sample: BC16804 MW-34V **Lab ID: 30521575050** Collected: 09/07/22 08:10 Received: 09/13/22 10:10 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	0.170U ± 0.181 (0.359) C:92% T:NA	pCi/L	10/02/22 10:30	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.01 ± 0.479 (0.817) C:66% T:86%	pCi/L	09/30/22 12:16	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.18 ± 0.660 (1.18)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16805 MW-35V **Lab ID: 30521575051** Collected: 09/07/22 10:52 Received: 09/13/22 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.383 ± 0.231 (0.336) C:89% T:NA	pCi/L	10/02/22 10:30	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.617U ± 0.421 (0.814) C:71% T:85%	pCi/L	09/30/22 12:15	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.000U ± 0.652 (1.15)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16806 MW-27 **Lab ID: 30521575052** Collected: 09/06/22 14:30 Received: 09/13/22 10:10 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	0.115U ± 0.140 (0.280) C:95% T:NA	pCi/L	10/02/22 10:30	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.312U ± 0.290 (0.584) C:74% T:88%	pCi/L	09/30/22 12:17	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.427U ± 0.430 (0.864)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16806 MW-27 MS **Lab ID: 30521575053** Collected: 09/06/22 14:30 Received: 09/13/22 10:10 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	99.87 %REC ± NA (NA) C:NA T:NA	pCi/L	10/02/22 10:30	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	84.87 %REC ± NA (NA) C:NA T:NA	pCi/L	09/30/22 12:16	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16806 MW-27 MSD **Lab ID: 30521575054** Collected: 09/06/22 14:30 Received: 09/13/22 10:10 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	98.50 %REC 1.38RPD ± NA (NA) C:NA T:NA	pCi/L	10/02/22 10:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	82.38 %REC 2.98 RPD ± NA (NA) C:NA T:NA	pCi/L	09/30/22 12:16	15262-20-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16807 MW-23S **Lab ID: 30521575055** Collected: 09/07/22 09:12 Received: 09/13/22 10:10 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	0.0437U ± 0.116 (0.286) C:100% T:NA	pCi/L	10/02/22 10:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.475U ± 0.405 (0.813) C:66% T:84%	pCi/L	09/30/22 12:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.519U ± 0.521 (1.10)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16808 FB-5 **Lab ID: 30521575056** Collected: 09/07/22 09:30 Received: 09/13/22 10:10 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	0.0411U ± 0.121 (0.303) C:95% T:NA	pCi/L	10/02/22 10:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.769U ± 0.459 (0.847) C:68% T:76%	pCi/L	09/30/22 12:16	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.810U ± 0.580 (1.15)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16809 MW-23D **Lab ID: 30521575057** Collected: 09/07/22 10:07 Received: 09/13/22 10:10 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	0.147U ± 0.157 (0.300) C:93% T:NA	pCi/L	10/03/22 09:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.663 ± 0.368 (0.650) C:72% T:82%	pCi/L	09/30/22 12:16	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.810U ± 0.525 (0.950)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16810 MW-13 **Lab ID: 30521575058** Collected: 09/07/22 11:57 Received: 09/13/22 10:10 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	0.376 ± 0.206 (0.279) C:96% T:NA	pCi/L	10/03/22 09:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.519U ± 0.343 (0.646) C:74% T:85%	pCi/L	09/30/22 12:17	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.895U ± 0.549 (0.925)	pCi/L	10/03/22 16:32	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16811 MW-11 **Lab ID: 30521575059** Collected: 09/06/22 11:10 Received: 09/13/22 10:10 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	0.101U ± 0.166 (0.369) C:90% T:NA	pCi/L	10/03/22 09:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	-0.000360U ± 0.341 (0.794) C:71% T:84%	pCi/L	09/30/22 12:17	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.101U ± 0.507 (1.16)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16812 MW-12 **Lab ID: 30521575060** Collected: 09/06/22 12:45 Received: 09/13/22 10:10 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	0.306U ± 0.205 (0.334) C:94% T:NA	pCi/L	10/03/22 09:05	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.541U ± 0.362 (0.684) C:71% T:86%	pCi/L	09/30/22 12:17	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.847U ± 0.567 (1.02)	pCi/L	10/03/22 16:32	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

Sample: BC16813 MW-14 **Lab ID: 30521575061** Collected: 09/06/22 14:35 Received: 09/13/22 10:10 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	0.450 ± 0.236 (0.294) C:86% T:NA	pCi/L	10/02/22 10:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.47 ± 0.494 (0.636) C:74% T:86%	pCi/L	09/28/22 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.92 ± 0.730 (0.930)	pCi/L	10/03/22 16:37	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

QC Batch: 533106

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575041, 30521575042, 30521575043, 30521575044, 30521575045, 30521575046, 30521575047, 30521575048, 30521575049, 30521575050, 30521575051, 30521575052, 30521575053, 30521575054, 30521575055, 30521575056, 30521575057, 30521575058, 30521575059, 30521575060

METHOD BLANK: 2586592

Matrix: Water

Associated Lab Samples: 30521575041, 30521575042, 30521575043, 30521575044, 30521575045, 30521575046, 30521575047, 30521575048, 30521575049, 30521575050, 30521575051, 30521575052, 30521575053, 30521575054, 30521575055, 30521575056, 30521575057, 30521575058, 30521575059, 30521575060

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0466 ± 0.0784 (0.175) C:91% T:NA	pCi/L	10/02/22 10:28	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382
Pace Project No.: 30521575

QC Batch:	533101	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575001, 30521575002, 30521575003, 30521575004, 30521575005, 30521575006, 30521575007, 30521575008, 30521575009, 30521575010, 30521575011, 30521575012, 30521575013, 30521575014, 30521575015, 30521575016, 30521575017, 30521575018, 30521575019, 30521575020

METHOD BLANK: 2586580 Matrix: Water

Associated Lab Samples: 30521575001, 30521575002, 30521575003, 30521575004, 30521575005, 30521575006, 30521575007, 30521575008, 30521575009, 30521575010, 30521575011, 30521575012, 30521575013, 30521575014, 30521575015, 30521575016, 30521575017, 30521575018, 30521575019, 30521575020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.169 ± 0.319 (0.702) C:75% T:82%	pCi/L	09/28/22 11:34	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

QC Batch: 533093

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575001, 30521575002, 30521575003, 30521575004, 30521575005, 30521575006, 30521575007, 30521575008, 30521575009, 30521575010, 30521575011, 30521575012, 30521575013, 30521575014, 30521575015, 30521575016, 30521575017, 30521575018, 30521575019, 30521575020

METHOD BLANK: 2586565

Matrix: Water

Associated Lab Samples: 30521575001, 30521575002, 30521575003, 30521575004, 30521575005, 30521575006, 30521575007, 30521575008, 30521575009, 30521575010, 30521575011, 30521575012, 30521575013, 30521575014, 30521575015, 30521575016, 30521575017, 30521575018, 30521575019, 30521575020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0815 ± 0.0845 (0.161) C:102% T:NA	pCi/L	09/29/22 19:27	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

QC Batch: 533110

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575061

METHOD BLANK: 2586601

Matrix: Water

Associated Lab Samples: 30521575061

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.00759 ± 0.0468 (0.133) C:88% T:NA	pCi/L	10/02/22 10:24	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

QC Batch: 533107

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575041, 30521575042, 30521575043, 30521575044, 30521575045, 30521575046, 30521575047, 30521575048, 30521575049, 30521575050, 30521575051, 30521575052, 30521575053, 30521575054, 30521575055, 30521575056, 30521575057, 30521575058, 30521575059, 30521575060

METHOD BLANK: 2586594

Matrix: Water

Associated Lab Samples: 30521575041, 30521575042, 30521575043, 30521575044, 30521575045, 30521575046, 30521575047, 30521575048, 30521575049, 30521575050, 30521575051, 30521575052, 30521575053, 30521575054, 30521575055, 30521575056, 30521575057, 30521575058, 30521575059, 30521575060

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.472 ± 0.413 (0.834) C:69% T:76%	pCi/L	09/30/22 12:14	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

QC Batch: 533104

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575021, 30521575022, 30521575023, 30521575024, 30521575025, 30521575026, 30521575027, 30521575028, 30521575029, 30521575030, 30521575031, 30521575032, 30521575033, 30521575034, 30521575035, 30521575036, 30521575037, 30521575038, 30521575039, 30521575040

METHOD BLANK: 2586588

Matrix: Water

Associated Lab Samples: 30521575021, 30521575022, 30521575023, 30521575024, 30521575025, 30521575026, 30521575027, 30521575028, 30521575029, 30521575030, 30521575031, 30521575032, 30521575033, 30521575034, 30521575035, 30521575036, 30521575037, 30521575038, 30521575039, 30521575040

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0655 ± 0.0874 (0.183) C:87% T:NA	pCi/L	10/02/22 10:21	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: WMWGASAP_1382

Pace Project No.: 30521575

QC Batch: 533111

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30521575061

METHOD BLANK: 2586603

Matrix: Water

Associated Lab Samples: 30521575061

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.798 ± 0.368 (0.604) C:81% T:85%	pCi/L	09/28/22 11:36	

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QUALIFIERS

Project: WMWGASAP_1382

Pace Project No.: 30521575

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1382

Pace Project No.: 30521575

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30521575001	BC16360 MW-38	EPA 9315	533093		
30521575002	BC16361 MW-38 DUP	EPA 9315	533093		
30521575003	BC16362 MW-41	EPA 9315	533093		
30521575004	BC16362 MW-41 MS	EPA 9315	533093		
30521575005	BC16362 MW-41 MSD	EPA 9315	533093		
30521575006	BC16363 MW-40	EPA 9315	533093		
30521575007	BC16364 MW-42	EPA 9315	533093		
30521575008	BC16365 MW-39	EPA 9315	533093		
30521575009	BC16366 MW-26	EPA 9315	533093		
30521575010	BC16367 MW-26 DUP	EPA 9315	533093		
30521575011	BC16368 MW-5	EPA 9315	533093		
30521575012	BC16369 MW-5 DUP	EPA 9315	533093		
30521575013	BC16370 FB-2	EPA 9315	533093		
30521575014	BC16371 MW-22	EPA 9315	533093		
30521575015	BC16372 MW-21	EPA 9315	533093		
30521575016	BC16373 MW-6	EPA 9315	533093		
30521575017	BC16374 MW-7	EPA 9315	533093		
30521575018	BC16375 MW-16	EPA 9315	533093		
30521575019	BC16376 MW-16V	EPA 9315	533093		
30521575020	BC16377 FB-3	EPA 9315	533093		
30521575021	BC16378 MW-3	EPA 9315	533104		
30521575022	BC16379 FB-1	EPA 9315	533104		
30521575023	BC16380 MW-20V	EPA 9315	533104		
30521575024	BC16381 MW-20SV	EPA 9315	533104		
30521575025	BC16381 MW-20SV MS	EPA 9315	533104		
30521575026	BC16381 MW-20SV MSD	EPA 9315	533104		
30521575027	BC16382 MW-20	EPA 9315	533104		
30521575028	BC16383 MW-18	EPA 9315	533104		
30521575029	BC16384 MW-18 DUP	EPA 9315	533104		
30521575030	BC16385 MW-17	EPA 9315	533104		
30521575031	BC16386 MW-17 DUP	EPA 9315	533104		
30521575032	BC16387 MW-19	EPA 9315	533104		
30521575033	BC16388 MW-4	EPA 9315	533104		
30521575034	BC16425 FB-4	EPA 9315	533104		
30521575035	BC16426 MW-15R	EPA 9315	533104		
30521575036	BC16427 MW-30H	EPA 9315	533104		
30521575037	BC16428 MW-31VR	EPA 9315	533104		
30521575038	BC16429 MW-28H	EPA 9315	533104		
30521575039	BC16430 MW-29H	EPA 9315	533104		
30521575040	BC16431 MW-17V	EPA 9315	533104		
30521575041	BC16432 MW-17SV	EPA 9315	533106		
30521575042	BC16433 MW-9	EPA 9315	533106		
30521575043	BC16434 MW-8	EPA 9315	533106		
30521575044	BC16435 MW-10	EPA 9315	533106		
30521575045	BC16799 MW-37V	EPA 9315	533106		
30521575046	BC16800 MW-32V	EPA 9315	533106		
30521575047	BC16801 MW-36V	EPA 9315	533106		
30521575048	BC16802 MW-33V	EPA 9315	533106		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1382

Pace Project No.: 30521575

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30521575049	BC16803 EB-1	EPA 9315	533106		
30521575050	BC16804 MW-34V	EPA 9315	533106		
30521575051	BC16805 MW-35V	EPA 9315	533106		
30521575052	BC16806 MW-27	EPA 9315	533106		
30521575053	BC16806 MW-27 MS	EPA 9315	533106		
30521575054	BC16806 MW-27 MSD	EPA 9315	533106		
30521575055	BC16807 MW-23S	EPA 9315	533106		
30521575056	BC16808 FB-5	EPA 9315	533106		
30521575057	BC16809 MW-23D	EPA 9315	533106		
30521575058	BC16810 MW-13	EPA 9315	533106		
30521575059	BC16811 MW-11	EPA 9315	533106		
30521575060	BC16812 MW-12	EPA 9315	533106		
30521575061	BC16813 MW-14	EPA 9315	533110		
30521575001	BC16360 MW-38	EPA 9320	533101		
30521575002	BC16361 MW-38 DUP	EPA 9320	533101		
30521575003	BC16362 MW-41	EPA 9320	533101		
30521575004	BC16362 MW-41 MS	EPA 9320	533101		
30521575005	BC16362 MW-41 MSD	EPA 9320	533101		
30521575006	BC16363 MW-40	EPA 9320	533101		
30521575007	BC16364 MW-42	EPA 9320	533101		
30521575008	BC16365 MW-39	EPA 9320	533101		
30521575009	BC16366 MW-26	EPA 9320	533101		
30521575010	BC16367 MW-26 DUP	EPA 9320	533101		
30521575011	BC16368 MW-5	EPA 9320	533101		
30521575012	BC16369 MW-5 DUP	EPA 9320	533101		
30521575013	BC16370 FB-2	EPA 9320	533101		
30521575014	BC16371 MW-22	EPA 9320	533101		
30521575015	BC16372 MW-21	EPA 9320	533101		
30521575016	BC16373 MW-6	EPA 9320	533101		
30521575017	BC16374 MW-7	EPA 9320	533101		
30521575018	BC16375 MW-16	EPA 9320	533101		
30521575019	BC16376 MW-16V	EPA 9320	533101		
30521575020	BC16377 FB-3	EPA 9320	533101		
30521575021	BC16378 MW-3	EPA 9320	533105		
30521575022	BC16379 FB-1	EPA 9320	533105		
30521575023	BC16380 MW-20V	EPA 9320	533105		
30521575024	BC16381 MW-20SV	EPA 9320	533105		
30521575025	BC16381 MW-20SV MS	EPA 9320	533105		
30521575026	BC16381 MW-20SV MSD	EPA 9320	533105		
30521575027	BC16382 MW-20	EPA 9320	533105		
30521575028	BC16383 MW-18	EPA 9320	533105		
30521575029	BC16384 MW-18 DUP	EPA 9320	533105		
30521575030	BC16385 MW-17	EPA 9320	533105		
30521575031	BC16386 MW-17 DUP	EPA 9320	533105		
30521575032	BC16387 MW-19	EPA 9320	533105		
30521575033	BC16388 MW-4	EPA 9320	533105		
30521575034	BC16425 FB-4	EPA 9320	533105		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1382
Pace Project No.: 30521575

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30521575035	BC16426 MW-15R	EPA 9320	533105		
30521575036	BC16427 MW-30H	EPA 9320	533105		
30521575037	BC16428 MW-31VR	EPA 9320	533105		
30521575038	BC16429 MW-28H	EPA 9320	533105		
30521575039	BC16430 MW-29H	EPA 9320	533105		
30521575040	BC16431 MW-17V	EPA 9320	533105		
30521575041	BC16432 MW-17SV	EPA 9320	533107		
30521575042	BC16433 MW-9	EPA 9320	533107		
30521575043	BC16434 MW-8	EPA 9320	533107		
30521575044	BC16435 MW-10	EPA 9320	533107		
30521575045	BC16799 MW-37V	EPA 9320	533107		
30521575046	BC16800 MW-32V	EPA 9320	533107		
30521575047	BC16801 MW-36V	EPA 9320	533107		
30521575048	BC16802 MW-33V	EPA 9320	533107		
30521575049	BC16803 EB-1	EPA 9320	533107		
30521575050	BC16804 MW-34V	EPA 9320	533107		
30521575051	BC16805 MW-35V	EPA 9320	533107		
30521575052	BC16806 MW-27	EPA 9320	533107		
30521575053	BC16806 MW-27 MS	EPA 9320	533107		
30521575054	BC16806 MW-27 MSD	EPA 9320	533107		
30521575055	BC16807 MW-23S	EPA 9320	533107		
30521575056	BC16808 FB-5	EPA 9320	533107		
30521575057	BC16809 MW-23D	EPA 9320	533107		
30521575058	BC16810 MW-13	EPA 9320	533107		
30521575059	BC16811 MW-11	EPA 9320	533107		
30521575060	BC16812 MW-12	EPA 9320	533107		
30521575061	BC16813 MW-14	EPA 9320	533111		
30521575001	BC16360 MW-38	Total Radium Calculation	536714		
30521575002	BC16361 MW-38 DUP	Total Radium Calculation	536714		
30521575003	BC16362 MW-41	Total Radium Calculation	536714		
30521575006	BC16363 MW-40	Total Radium Calculation	536714		
30521575007	BC16364 MW-42	Total Radium Calculation	536714		
30521575008	BC16365 MW-39	Total Radium Calculation	536714		
30521575009	BC16366 MW-26	Total Radium Calculation	536714		
30521575010	BC16367 MW-26 DUP	Total Radium Calculation	536714		
30521575011	BC16368 MW-5	Total Radium Calculation	536714		
30521575012	BC16369 MW-5 DUP	Total Radium Calculation	536714		
30521575013	BC16370 FB-2	Total Radium Calculation	536714		
30521575014	BC16371 MW-22	Total Radium Calculation	536714		
30521575015	BC16372 MW-21	Total Radium Calculation	536714		
30521575016	BC16373 MW-6	Total Radium Calculation	536714		
30521575017	BC16374 MW-7	Total Radium Calculation	536714		
30521575018	BC16375 MW-16	Total Radium Calculation	536714		
30521575019	BC16376 MW-16V	Total Radium Calculation	536714		
30521575020	BC16377 FB-3	Total Radium Calculation	536714		
30521575021	BC16378 MW-3	Total Radium Calculation	536982		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WMWGASAP_1382

Pace Project No.: 30521575

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30521575022	BC16379 FB-1	Total Radium Calculation	536985		
30521575023	BC16380 MW-20V	Total Radium Calculation	536985		
30521575024	BC16381 MW-20SV	Total Radium Calculation	536985		
30521575027	BC16382 MW-20	Total Radium Calculation	536985		
30521575028	BC16383 MW-18	Total Radium Calculation	536985		
30521575029	BC16384 MW-18 DUP	Total Radium Calculation	536985		
30521575030	BC16385 MW-17	Total Radium Calculation	536985		
30521575031	BC16386 MW-17 DUP	Total Radium Calculation	536985		
30521575032	BC16387 MW-19	Total Radium Calculation	536985		
30521575033	BC16388 MW-4	Total Radium Calculation	536985		
30521575034	BC16425 FB-4	Total Radium Calculation	536985		
30521575035	BC16426 MW-15R	Total Radium Calculation	536985		
30521575036	BC16427 MW-30H	Total Radium Calculation	536985		
30521575037	BC16428 MW-31VR	Total Radium Calculation	536985		
30521575038	BC16429 MW-28H	Total Radium Calculation	536985		
30521575039	BC16430 MW-29H	Total Radium Calculation	536985		
30521575040	BC16431 MW-17V	Total Radium Calculation	536985		
30521575041	BC16432 MW-17SV	Total Radium Calculation	537079		
30521575042	BC16433 MW-9	Total Radium Calculation	537079		
30521575043	BC16434 MW-8	Total Radium Calculation	537079		
30521575044	BC16435 MW-10	Total Radium Calculation	537079		
30521575045	BC16799 MW-37V	Total Radium Calculation	537079		
30521575046	BC16800 MW-32V	Total Radium Calculation	537079		
30521575047	BC16801 MW-36V	Total Radium Calculation	537079		
30521575048	BC16802 MW-33V	Total Radium Calculation	537079		
30521575049	BC16803 EB-1	Total Radium Calculation	537079		
30521575050	BC16804 MW-34V	Total Radium Calculation	537079		
30521575051	BC16805 MW-35V	Total Radium Calculation	537079		
30521575052	BC16806 MW-27	Total Radium Calculation	537079		
30521575055	BC16807 MW-23S	Total Radium Calculation	537079		
30521575056	BC16808 FB-5	Total Radium Calculation	537079		
30521575057	BC16809 MW-23D	Total Radium Calculation	537079		
30521575058	BC16810 MW-13	Total Radium Calculation	537079		
30521575059	BC16811 MW-11	Total Radium Calculation	537079		
30521575060	BC16812 MW-12	Total Radium Calculation	537079		
30521575061	BC16813 MW-14	Total Radium Calculation	537082		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

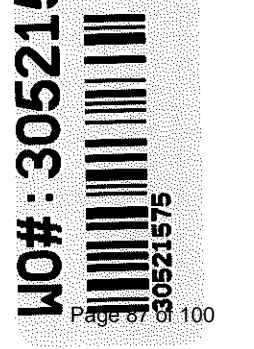
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Renee Jernigan	Attention: Renee Jernigan	Company Name: Alabama Power Co.		
Address: 744 Highway 87 GSC Bldg #8	Copy To: Brooke Caton & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8			
		CCR			
Email To: rjameri@southemco.com	Purchase Order #: APC10755638	Pace Quote: SKYMER			
Phone: 205-664-6247 Fax:	Project Name: Plant Gaston Ash Pond	Pace Project Manager: Skymer Richmond			
Requested Due Date: 28 days	Project Number: WMYGASAP-1382	Pace Profile #: 16788			

ITEM #	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives		Analyses Test Y/N	EPA 9315	EPA 9320	Total Radium Sum	Residual Chlorine (Y/N)
									DATE	TIME		H3S4	HNO3					
1	BC16360	APCO-GN-AP-MW-38	APCO_Gaston_AshPond				GW G	G	8/29/2022	12:05	1			X	X	X		
2	BC16361	APCO-GN-AP-MW-38	APCO_Gaston_AshPond	X			GW G	G	8/29/2022	12:05	1			X	X	X		
3	BC16362	APCO-GN-AP-MW-41	APCO_Gaston_AshPond		X		GW G	G	8/29/2022	13:12	3			X	X	X		
4	BC16363	APCO-GN-AP-MW-40	APCO_Gaston_AshPond				GW G	G	8/29/2022	14:24	1			X	X	X		
5	BC16364	APCO-GN-AP-MW-42	APCO_Gaston_AshPond				GW G	G	8/29/2022	15:55	1			X	X	X		
6	BC16365	APCO-GN-AP-MW-39	APCO_Gaston_AshPond				GW G	G	8/29/2022	16:54	1			X	X	X		
7	BC16366	APCO-GN-AP-MW-26	APCO_Gaston_AshPond				GW G	G	8/29/2022	18:15	1			X	X	X		
8	BC16367	APCO-GN-AP-MW-26	APCO_Gaston_AshPond	X			GW G	G	8/29/2022	18:15	1			X	X	X		
9	BC16368	APCO-GN-AP-MW-5	APCO_Gaston_AshPond				GW G	G	8/30/2022	8:26	1			X	X	X		
10	BC16369	APCO-GN-AP-MW-5	APCO_Gaston_AshPond	X			GW G	G	8/30/2022	8:26	1			X	X	X		
11	BC16370	APCO-GN-AP-FB-02	APCO_Gaston_AshPond				GW G	G	8/30/2022	9:05	1			X	X	X		
12	BC16371	APCO-GN-AP-MW-22	APCO_Gaston_AshPond				GW G	G	8/30/2022	9:22	1			X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Renee Jernigan/ APC STL	9/9/2022	9:05	<i>Renee Jernigan</i>	9/13/22	10:10

WO#: 30521575



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SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Anthony Coggins
 SIGNATURE of SAMPLER: Anthony Coggins
 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: Company: Alabama Power Company Address: 744 Highway 87 GSC Bldg #8 Calera, AL 35040 Email To: ggame@alpower.com Phone: 205-664-6247 Fax: Requested Due Date: 28 days	Section B Required Project Information: Report To: Renee Jernigan Copy To: Brooke Caton & Blaine Denton Purchase Order #: APC10755638 Project Name: Plant Gaston Ash Pond Project Number: WMMWASAP_1382
Section C Invoice Information: Attention: Renee Jernigan Company Name: Alabama Power Co. Address: 744 Highway 87 GSC Bldg #8 PCR Pace Quote: Pace Project Manager: Skyler Richmond Pace Profile #: 16788	Regulatory Agency State / Location AL

ITEM #	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives	Y/N	Requested Analytes Filtered (Y/N)			Received on	Temp in C	Sealed	Cooled	Samples
									START DATE	TIME				EPA 9315	EPA 9320	Total Radium Sum					
1	BC16372	APCO-GN-AP-MW-21	APCO_Gaston_AshPond				GW	G	8/30/2022	10:05	1			X	X	X	X			015	
2	BC16373	APCO-GN-AP-MW-6	APCO_Gaston_AshPond				GW	G	8/30/2022	10:45	1	HNO3		X	X	X	X			016	
3	BC16374	APCO-GN-AP-MW-7	APCO_Gaston_AshPond				GW	G	8/30/2022	11:35	1	H2SO4 Unpreserved		X	X	X	X			017 025	
4	BC16375	APCO-GN-AP-MW-16	APCO_Gaston_AshPond				GW	G	8/30/2022	12:45	1			X	X	X	X			018	
5	BC16376	APCO-GN-AP-MW-18V	APCO_Gaston_AshPond				GW	G	8/30/2022	13:43	1			X	X	X	X			019	
6	BC16377	APCO-GN-AP-FB-03	APCO_Gaston_AshPond				GW	G	8/30/2022	14:41	1			X	X	X	X			020	
7	BC16378	APCO-GN-AP-MW-3	APCO_Gaston_AshPond				GW	G	8/30/2022	16:00	1			X	X	X	X			021	
8	BC16379	APCO-GN-AP-FB-01	APCO_Gaston_AshPond				GW	G	8/29/2022	15:30	1			X	X	X	X			022	
9	BC16380	APCO-GN-AP-MW-20V	APCO_Gaston_AshPond				GW	G	8/29/2022	16:08	1			X	X	X	X			023	
10	BC16381	APCO-GN-AP-MW-20SV	APCO_Gaston_AshPond			X	GW	G	8/30/2022	8:32	3			X	X	X	X			024 025 026	
11	BC16382	APCO-GN-AP-MW-20	APCO_Gaston_AshPond				GW	G	8/30/2022	9:29	1			X	X	X	X			027	
12	BC16383	APCO-GN-AP-MW-18	APCO_Gaston_AshPond				GW	G	8/30/2022	10:38	1			X	X	X	X			028	
ADDITIONAL COMMENTS												DATE			TIME			ACCEPTED BY / AFFILIATION			
												9/13/22			10:10			WJP MSK ANTHONY GAGGINS/DALLAS GENTRY			
Renee Jernigan/ APC GTL												9/9/2022			9:05						

W0#: 30521575

PM: SCR Due Date: 10/04/22

CLIENT: ALABAMA PWR

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SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER:
 Anthony Gaggins/Dallas Gentry
 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		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Renee Jernigan	Attention: Renee Jernigan	Company Name: Alabama Power Co.		
Address: 744 Highway 87 GSC Bldg #8	Copy To: Brooke Catton & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8			
Calera, AL 35040	Purchase Order #: APC10755638	CCR			
Email To: rjarnet@southernco.com	Project Name: Plant Gaston Ash Pond	Pace Project Manager: Skyler Richmond			
Phone: 205-664-6247 Fax	Project Number: WNW/GASAP_1382	Pace Profile #: 16788			
Requested Due Date: 28 days		AL			
		Regulatory Agency			

#	ITEM	Description	Station Name Location_ID	Site Name Facility_ID	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives	Requested Analysis Filtered (Y/N)					Residual Chlorine (Y/N)
									DATE	TIME			Unpreserved	H2SO4	HNO3	Analyses Test	EPA 9315	
1	BC16384	MW-18 DUP	APCO-GN-AP-MW-18	APCO_Gaston_AshPond	X		GW G	G	8/30/2022	10:38	1		X	X	X	X	X	029
2	BC16385	MW-17	APCO-GN-AP-MW-17	APCO_Gaston_AshPond			GW G	G	8/30/2022	12:02	1		X	X	X	X	X	030
3	BC16386	MW-17 DUP	APCO-GN-AP-MW-17	APCO_Gaston_AshPond	X		GW G	G	8/30/2022	12:02	1		X	X	X	X	X	031
4	BC16387	MW-19	APCO-GN-AP-MW-19	APCO_Gaston_AshPond			GW G	G	8/30/2022	15:09	1		X	X	X	X	X	032
5	BC16388	MW-4	APCO-GN-AP-MW-4	APCO_Gaston_AshPond			GW G	G	8/30/2022	16:34	1		X	X	X	X	X	033
6	BC16425	FB-4	APCO-GN-AP-FB-04	APCO_Gaston_AshPond			GW G	G	8/31/2022	9:30	1		X	X	X	X	X	034
7	BC16426	MW-15R	APCO-GN-AP-MW-15R	APCO_Gaston_AshPond			GW G	G	8/31/2022	9:45	1		X	X	X	X	X	035
8	BC16427	MW-30H	APCO-GN-AP-MW-30H	APCO_Gaston_AshPond			GW G	G	8/31/2022	11:05	1		X	X	X	X	X	036
9	BC16428	MW-31VR	APCO-GN-AP-MW-31VR	APCO_Gaston_AshPond			GW G	G	8/31/2022	14:25	1		X	X	X	X	X	037
10	BC16429	MW-28H	APCO-GN-AP-MW-28H	APCO_Gaston_AshPond			GW G	G	8/31/2022	10:19	1		X	X	X	X	X	038
11	BC16430	MW-29H	APCO-GN-AP-MW-29H	APCO_Gaston_AshPond			GW G	G	8/31/2022	11:56	1		X	X	X	X	X	039
12	BC16431	MW-17V	APCO-GN-AP-MW-17V	APCO_Gaston_AshPond			GW G	G	8/31/2022	13:28	1		X	X	X	X	X	040

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	DATE	TIME
	Renee Jernigan/ APC GTL	9/19/2022	9:05	9/13/22	10:10

TEMP in C

Received on

Ice

Custody

Sealed

Cooler

Samples

Inter

Print Name of SAMPLER: Anthony Goggins/Dallas Gentry

Signature of SAMPLER: *[Signature]*

DATE Signed: 9/13/22

NO # 30521575

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Renee Jernigan	Report To: Renee Jernigan	Attention: Renee Jernigan	Company Name: Alabama Power Co.	Regulatory Agency:
Address: 744 Highway 87 GSC Bldg #8	Copy To: Brooke Caton & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8	Address: 744 Highway 87 GSC Bldg #8	State/Location: AL
Calera, AL 35040			CCR		
Email To: igamer@southernco.com	Purchase Order #: APC10755638	Purchase Order #: APC10755638	Pace Quote:		
Phone: 205-664-6247 Fax:	Project Name: Plant Gaston Ash Pond	Project Name: Plant Gaston Ash Pond	Pace Project Manager: Skyler Richmond		
Requested Due Date: 28 days	Project Number: MW/GASAP_1382	Project Number: MW/GASAP_1382	Pace Profile #: 16788		

ITEM #	Description	Station Name Location_ID	Site Name Facility_ID	Sample Duplicate	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	Preservatives	Y/N	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	
									DATE	TIME							EPA 9315	EPA 9320	Total Radium Sum			
1	BC16432	APCO-GN-AP-MW-17SV	APCO_Gaston_AshPond				GW G	G	8/31/2022	14:37	1						X	X	X	X		041
2	BC16433	APCO-GN-AP-MW-9	APCO_Gaston_AshPond				GW G	G	8/31/2022	11:22	1						X	X	X	X		042
3	BC16434	APCO-GN-AP-MW-8	APCO_Gaston_AshPond				GW G	G	8/31/2022	13:15	1						X	X	X	X		043
4	BC16435	APCO-GN-AP-MW-10	APCO_Gaston_AshPond				GW G	G	8/31/2022	15:43	1						X	X	X	X		044
5	BC16799	APCO-GN-AP-MW-37V	APCO_Gaston_AshPond				GW G	G	9/6/2022	9:45	1						X	X	X	X		045
6	BC16800	APCO-GN-AP-MW-32V	APCO_Gaston_AshPond				GW G	G	9/6/2022	11:13	1						X	X	X	X		046
7	BC16801	APCO-GN-AP-MW-36V	APCO_Gaston_AshPond				GW G	G	9/6/2022	13:44	1						X	X	X	X		047
8	BC16802	APCO-GN-AP-MW-33V	APCO_Gaston_AshPond				GW G	G	9/6/2022	15:16	1						X	X	X	X		048
9	BC16803	APCO-GN-AP-EB-01	APCO_Gaston_AshPond				GW G	G	9/7/2022	7:20	1						X	X	X	X		049
10	BC16804	APCO-GN-AP-MW-34V	APCO_Gaston_AshPond				GW G	G	9/7/2022	8:10	1						X	X	X	X		050
11	BC16805	APCO-GN-AP-MW-35V	APCO_Gaston_AshPond				GW G	G	9/7/2022	10:52	1						X	X	X	X		051
12	BC16806	APCO-GN-AP-MW-27	APCO_Gaston_AshPond		X		GW G	G	9/6/2022	14:30	3						X	X	X	X		052, 053, 054

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	DATE	TIME
	Renee Jernigan / APC GTL	9/9/2022	9:05		
				9/13/22	10:10

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: T J Daugherty/Dallas Gentry/Anthony Goggins
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed: 9/13/22

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: Alabama Power Company	Report To: Renee Jernigan	Company Name: Alabama Power Co.	Attention: Renee Jernigan		
Address: 744 Highway 87 GSC Bldg #8	Copy To: Brooke Caton & Blaine Denton	Address: 744 Highway 87 GSC Bldg #8			
Calera, AL 35040		CCR			
Email To: rjamej@southemco.com	Purchase Order #: APC10755638	CCR			
Phone: 205-664-6247 Fax	Project Name: Plant Gaston/Ash Pond	Skylar Richmond			
Requested Due Date: 28 days	Project Number: WNWGASAP_1382	16788			
		Peace Project Manager:			
		Peace Profile #:			

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique	Description	Station Name Location_ID	Site Name Facility_ID	Matrix Spike/Matrix Spike Duplicate	Field Filtered	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives		Analyses Test	Y/N	Requested Analytes Filtered (Y/N)	EPA 9315		EPA 9320	Total Radium Sum	Residual Chlorine (Y/N)
									DATE	TIME		H2SO4	HNO3				EPA 9315	EPA 9320			
1	BC16807	MW-23S	APCO-GN-AP-MW-23S	APCO_Gaston_AshPond			GW	G	9/7/2022	9:12	1					X	X	X	X		052
2	BC16808	FB-5	APCO-GN-AP-IB-05	APCO_Gaston_AshPond			GW	G	9/7/2022	9:30	1					X	X	X	X		056
3	BC16809	MW-23D	APCO-GN-AP-MW-23D	APCO_Gaston_AshPond			GW	G	9/7/2022	10:07	1					X	X	X	X		057
4	BC16810	MW-13	APCO-GN-AP-MW-13	APCO_Gaston_AshPond			GW	G	9/7/2022	11:57	1					X	X	X	X		058
5	BC16811	MW-11	APCO-GN-AP-MW-11	APCO_Gaston_AshPond			GW	G	9/6/2022	11:10	1					X	X	X	X		059
6	BC16812	MW-12	APCO-GN-AP-MW-12	APCO_Gaston_AshPond			GW	G	9/6/2022	12:45	1					X	X	X	X		060
7	BC16813	MW-14	APCO-GN-AP-MW-14	APCO_Gaston_AshPond			GW	G	9/6/2022	14:35	1					X	X	X	X		061
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	DATE	TIME
	Renee Jernigan/ APC GTL	9/9/2022	9:05		
				9/13/22	10:10

RECEIVED ON: [] [] [] [] [] [] [] [] [] []

TEMP in C: [] [] [] [] [] [] [] [] [] []

Received on: [] [] [] [] [] [] [] [] [] []

Sealed: [] [] [] [] [] [] [] [] [] []

Cooler: [] [] [] [] [] [] [] [] [] []

Y/N: [] [] [] [] [] [] [] [] [] []

Interact: [] [] [] [] [] [] [] [] [] []

Sample: [] [] [] [] [] [] [] [] [] []

Custody: [] [] [] [] [] [] [] [] [] []

Sealed: [] [] [] [] [] [] [] [] [] []

Y/N: [] [] [] [] [] [] [] [] [] []

SIGNATURE OF SAMPLER: [Signature]

DATE SIGNED: [] [] [] [] [] [] [] [] [] []

PRINT Name of SAMPLER: T.J. Daugherty/Anthony Goggins

SAMPLER NAME AND SIGNATURE: [Signature]

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: Alabama Power Company

Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 5870 1897 7139

Label	<u>PS</u>
LIMS Login	<u>VP</u>

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:	pH paper Lot#			Date and Initials of person examining contents:	
	Yes	No	N/A		
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>10D0421</u>	<u>PS 9/14/22</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampler Name & Signature on COC:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes date/time/ID Matrix: <u>WT</u>					
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Organic Samples checked for dechlorination:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix				<u>PH < 2</u>	
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>PS</u>	Date/time of preservation: _____
				Lot # of added preservative: _____	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rad Samples Screened < 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>PS</u>	Date: <u>9/14/21</u> Survey Meter SN: <u>1563</u>

WD# 3052575

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



Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226
Analyst: RMS
Date: 9/20/2022
Worklist: 68881
Matrix: DW

Method Blank Assessment	
MB Sample ID	2586565
MB concentration:	0.082
M/B Counting Uncertainty:	0.084
MB MDC:	0.161
MB Numerical Performance Indicator:	1.91
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCSD (Y or N)?	Y
Count Date:	9/29/2022	LCSD68881	9/29/2022
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):	0.505		0.502
Target Conc. (pCi/L, g, F):	4.758		4.781
Uncertainty (Calculated):	0.057		0.057
Result (pCi/L, g, F):	4.906		4.748
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.493		0.489
Numerical Performance Indicator:	0.58		-0.13
Percent Recovery:	103.10%		99.30%
Status vs Numerical Indicator:	N/A		N/A
Status vs Recovery:	Pass		Pass
Upper % Recovery Limits:	125%		125%
Lower % Recovery Limits:	75%		75%

Duplicate Sample Assessment	
Sample I.D.:	LCS68881
Duplicate Sample I.D.:	LCS68881
Sample Result (pCi/L, g, F):	4.906
Duplicate Result (pCi/L, g, F):	0.493
Sample Duplicate Result (pCi/L, g, F):	4.748
Sample Duplicate Counting Uncertainty (pCi/L, g, F):	0.489
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	NO
Are sample and/or duplicate results below RL?	0.445
Duplicate Numerical Performance Indicator:	3.75%
Duplicate Percent Recoveries) Duplicate RPD:	N/A
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Pass
% RPD Limit:	25%

Sample Matrix Spike Control Assessment		MS/MSD 1	MS/MSD 2
Sample Collection Date:	8/29/2022		
Sample I.D.:	30521575003		
Sample MS I.D.:	30521575004		
Sample MSD I.D.:	30521575005		
Spike I.D.:	19-033		
Spike I.D.:	24.024		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	0.20		
Spike Volume Used in MS (mL):	0.20		
Spike Volume Used in MSD (mL):	0.272		
MS Aliquot (L, g, F):	17.647		
MS Target Conc. (pCi/L, g, F):	0.275		
MSD Aliquot (L, g, F):	17.489		
MSD Target Conc. (pCi/L, g, F):	0.212		
MS Spike Uncertainty (calculated):	0.210		
MSD Spike Uncertainty (calculated):	0.069		
Sample Result Counting Uncertainty (pCi/L, g, F):	0.126		
Sample Matrix Spike Result:	18.046		
Sample Matrix Spike Counting Uncertainty (pCi/L, g, F):	1.299		
Sample Matrix Spike Duplicate Result:	16.629		
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	1.231		
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.488		
MS Numerical Performance Indicator:	-1.451		
MSD Numerical Performance Indicator:	101.87%		
MS Percent Recovery:	94.69%		
MSD Percent Recovery:	N/A		
MS Status vs Numerical Indicator:	N/A		
MSD Status vs Numerical Indicator:	Pass		
MS Status vs Recovery:	Pass		
MSD Status vs Recovery:	125%		
MS/MSD Upper % Recovery Limits:	125%		
MS/MSD Lower % Recovery Limits:	75%		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30521575003
Sample MS I.D.:	30521575004
Sample MSD I.D.:	30521575005
Sample Matrix Spike Result:	18.046
Sample Matrix Spike Duplicate Result:	1.299
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	16.629
Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.231
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.552
Duplicate Numerical Performance Indicator:	7.30%
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	N/A
MS/MSD Duplicate Status vs Numerical Indicator:	Pass
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 9/30/22

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Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 9/19/2022
Worklist: 68882
Matrix: WT

Method Blank Assessment	
MB Sample ID	25865680
MB concentration:	0.169
M/B 2 Sigma CSU:	0.319
MB MDC:	0.702
MB Numerical Performance Indicator:	1.04
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS/D (Y or N)?	
	LCS68882	N
Count Date:	9/29/2022	LCS68882
Spike I.D.:	22-029	
Decay Corrected Spike Concentration (pCi/mL):	19.913	
Volume Used (mL):	0.20	
Aliquot Volume (L, g, F):	0.812	
Target Conc. (pCi/L, g, F):	4.905	
Uncertainty (Calculated):	0.353	
Result (pCi/L, g, F):	3.717	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.872	
Numerical Performance Indicator:	-2.48	
Percent Recovery:	75.78%	
Status vs Numerical Indicator:	N/A	
Upper % Recovery Limits:	135%	
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:	

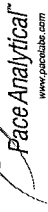
Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	8/29/2022	
Sample I.D.:	30521575003	
Sample MS I.D.:	30521575004	
Sample MSD I.D.:	30521575005	
Spike I.D.:	22-029	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	20.111	
Spike Volume Used in MS (mL):	0.40	
Spike Volume Used in MSD (mL):	0.40	
MS Aliquot (L, g, F):	0.808	
MS Target Conc. (pCi/L, g, F):	9.961	
MS Aliquot (L, g, F):	0.809	
MSD Target Conc. (pCi/L, g, F):	9.943	
MS Spike Uncertainty (calculated):	0.717	
MSD Spike Uncertainty (calculated):	0.716	
Sample Result:	0.177	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.278	
Sample Matrix Spike Result:	8.629	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.740	
Sample Matrix Spike Duplicate Result:	6.922	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.443	
MS Numerical Performance Indicator:	-1.554	
MSD Numerical Performance Indicator:	-3.835	
MS Percent Recovery:	84.86%	
MSD Percent Recovery:	67.83%	
MS Status vs Numerical Indicator:	Pass	
MSD Status vs Numerical Indicator:	Fail****	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30521575003
Sample MS I.D.:	30521575004
Sample MSD I.D.:	30521575005
Sample Matrix Spike Result:	8.629
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.740
Sample Matrix Spike Duplicate Result:	6.922
Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.443
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.481
Duplicate Numerical Performance Indicator:	22.31%
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	Pass
MS/MSD Duplicate Status vs Numerical Indicator:	Pass
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

Quality Control Sample Performance Assessment



Analytst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: RMS
Date: 9/21/2022
Worklist: 68883
Matrix: DW

Method Blank Assessment	
MB Sample ID	2586588
MB Concentration:	0.065
M/B Counting Uncertainty:	0.087
MB MDC:	0.183
MB Numerical Performance Indicator:	1.48
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCS (Y or N)?	Y
LCS68883	LCS68883
Count Date:	10/2/2022
Spike I.D.:	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.023
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.508
Target Conc. (pCi/L, g, F):	4.730
Uncertainty (Calculated):	0.057
Result (pCi/L, g, F):	4.758
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	5.126
Numerical Performance Indicator:	0.494
Percent Recovery:	108.37%
Status vs Numerical Indicator:	N/A
Status vs Recovery:	Pass
Upper % Recovery Limits:	125%
Lower % Recovery Limits:	75%

Duplicate Sample Assessment	
Sample I.D.:	LCS68883
Duplicate Sample I.D.:	LCS68883
Sample Result (pCi/L, g, F):	5.126
Sample Duplicate Result (pCi/L, g, F):	0.513
Sample Result Counting Uncertainty (pCi/L, g, F):	4.758
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.494
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	1.013
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	8.59%
Duplicate Status vs Numerical Indicator:	N/A
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:

JUL
10-3-24

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	8/30/2022	
Sample I.D.	30521575024	
Sample MS I.D.	30521575025	
Sample MSD I.D.	30521575026	
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):	0.310	
MS Target Conc. (pCi/L, g, F):	15.516	
MSD Aliquot (L, g, F):	0.316	
MSD Target Conc. (pCi/L, g, F):	15.225	
MS Spike Uncertainty (calculated):	0.186	
MSD Spike Uncertainty (calculated):	0.183	
Sample Result:	1.710	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.400	
Sample Matrix Spike Result:	18.018	
Sample Matrix Spike Counting Uncertainty (pCi/L, g, F):	1.247	
Sample Matrix Spike Duplicate Result:	16.850	
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	1.153	
MS Numerical Performance Indicator:	1.174	
MSD Numerical Performance Indicator:	-0.134	
MS Percent Recovery:	105.11%	
MSD Percent Recovery:	99.45%	
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%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	30521575024
Sample MS I.D.	30521575025
Sample MSD I.D.	30521575026
Matrix Spike Result:	18.018
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.247
Sample Matrix Spike Duplicate Result:	16.850
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	1.153
Duplicate Numerical Performance Indicator:	1.348
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	5.53%
MS/MSD Duplicate Status vs Numerical Indicator:	N/A
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	25%

Quality Control Sample Performance Assessment



Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-228
Analyst: VAL
Date: 9/19/2022
Worklist: 68884
Matrix: WVT

Method Blank Assessment	
MB Sample ID	2586589
MB concentration:	0.398
M/B 2 Sigma CSU:	0.317
MB MDC:	0.626
MB Numerical Performance Indicator:	Warning
MB Status vs Numerical Indicator:	Pass
MB Status vs MDC:	Pass

Laboratory Control Sample Assessment		LCS (Y or N)?	N
Count Date:		LCS68884	LCS68884
Spike I.D.:		9/29/2022	
Decay Corrected Spike Concentration (pCi/mL):		22-029	
Volume Used (mL):		19.907	
Aliquot Volume (L, g, F):		0.20	
Target Conc. (pCi/L, g, F):		0.810	
Uncertainty (Calculated):		4.914	
Result (pCi/L, g, F):		0.354	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):		5.840	
Numerical Performance Indicator:		1.248	
Percent Recovery:		1.40	
Status vs Numerical Indicator:		118.84%	
Status vs Recovery:		N/A	
Upper % Recovery Limits:		Pass	
Lower % Recovery Limits:		135%	
		60%	

Sample Matrix Spike Control Assessment		MS/MSD 1	MS/MSD 2
Sample Collection Date:		8/30/2022	
Sample I.D.:		30521575024	
Sample MS I.D.:		30521575025	
Sample MSD I.D.:		30521575026	
Spike I.D.:		22-029	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		20.106	
Spike Volume Used in MS (mL):		0.40	
Spike Volume Used in MSD (mL):		0.40	
MS Aliquot (L, g, F):		0.800	
MS Target Conc. (pCi/L, g, F):		10.051	
MSD Aliquot (L, g, F):		0.804	
MSD Target Conc. (pCi/L, g, F):		10.006	
MS Spike Uncertainty (calculated):		0.724	
MSD Spike Uncertainty (calculated):		0.720	
Sample Result:		0.365	
Sample Result 2 Sigma CSU (pCi/L, g, F):		0.287	
Sample Matrix Spike Result:		11.780	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		2.293	
Sample Matrix Spike Duplicate Result:		11.201	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		2.175	
MS Numerical Performance Indicator:		1.104	
MSD Numerical Performance Indicator:		0.704	
MS Percent Recovery:		113.57%	
MSD Percent Recovery:		108.29%	
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%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.:		30521575024
Sample MS I.D.:		30521575025
Sample MSD I.D.:		30521575026
Spike I.D.:		11.780
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		2.293
Sample Matrix Spike Duplicate Result:		11.201
Duplicate Numerical Performance Indicator:		0.359
MS/MSD Duplicate RPD:		4.76%
MS/MSD Duplicate Status vs Numerical Indicator:		Pass
MS/MSD Duplicate Status vs RPD:		Pass
% RPD Limit:		36%

Duplicate Sample Assessment		
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?		
Duplicate Numerical Performance Indicator:		
Duplicate RPD:		
Duplicate Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

See Below #

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.



Test: Ra-226
Analyst: RMS
Date: 9/21/2022
Worklist: 68885
Matrix: DW

Method Blank Assessment	
MB Sample ID	2586592
MB concentration:	0.047
MB Counting Uncertainty:	0.078
MB MDC:	0.175
MB Numerical Performance Indicator:	1.17
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCSD (Y or N)?	Y
Count Date:		LCSD68885	
Spike I.D.:		10/3/2022	10/3/2022
Decay Corrected Spike Concentration (pCi/mL):		19-033	
Volume Used (mL):		24.023	
Aliquot Volume (L, g, F):		0.10	0.10
Target Conc. (pCi/L, g, F):		0.503	0.502
Uncertainty (Calculated):		4.777	4.788
Result (pCi/L, g, F):		0.057	0.057
LCS/LCSD Counting Uncertainty (pCi/L, g, F):		5.228	5.147
Numerical Performance Indicator:		0.493	0.497
Percent Recovery:		1.78	1.41
Status vs Numerical Indicator:		109.45%	107.50%
Upper % Recovery Limits:		N/A	N/A
Lower % Recovery Limits:		Pass	Pass
		125%	125%
		75%	75%

Duplicate Sample Assessment	
Sample I.D.:	LCS68885
Duplicate Sample I.D.:	LCSD68885
Sample Result (pCi/L, g, F):	5.228
Sample Result Counting Uncertainty (pCi/L, g, F):	0.493
Sample Duplicate Result (pCi/L, g, F):	5.147
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.497
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	0.228
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.80%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass
% RPD Limit:	25%

Sample Matrix Spike Control Assessment		MS/MSD 1	MS/MSD 2
Sample Collection Date:		9/6/2022	
Sample I.D.:		30521575052	
Sample MS I.D.:		30521575053	
Sample MSD I.D.:		30521575054	
Spike I.D.:		19-033	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		24.024	
Spike Volume Used in MS (mL):		0.20	
MS Aliquot (L, g, F):		0.268	
MS Target Conc. (pCi/L, g, F):		17.902	
MSD Aliquot (L, g, F):		0.257	
MSD Target Conc. (pCi/L, g, F):		18.709	
MS Spike Uncertainty (calculated):		0.215	
MSD Spike Uncertainty (calculated):		0.225	
Sample Result:		0.115	
Sample Result Counting Uncertainty (pCi/L, g, F):		0.139	
Sample Matrix Spike Result:		17.993	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):		1.284	
Sample Matrix Spike Duplicate Result:		18.543	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):		1.319	
MS Numerical Performance Indicator:		-0.035	
MSD Numerical Performance Indicator:		-0.408	
MS Percent Recovery:		99.87%	
MSD Percent Recovery:		98.50%	
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%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30521575052
Sample MS I.D.:	30521575053
Sample MSD I.D.:	30521575054
Sample Matrix Spike Result:	17.993
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	1.284
Sample Matrix Spike Duplicate Result:	18.543
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.319
Duplicate Numerical Performance Indicator:	-0.586
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	1.38%
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:

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VAM 10/3/22

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 9/19/2022
Worklist: 68886
Matrix: WT

Method Blank Assessment	
MB Sample ID	2586594
MB concentration:	0.472
M/B 2 Sigma CSU:	0.413
MB MDC:	0.834
MB Numerical Performance Indicator:	2.24
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS/D (Y or N)?		N
	LCS68886	LCSD68886	
Count Date:	9/30/2022		
Spike I.D.:	22-029		
Decay Corrected Spike Concentration (pCi/mL):	19,900		
Volume Used (mL):	0.20		
Aliquot Volume (L, g, F):	0.804		
Target Conc. (pCi/L, g, F):	4.947		
Uncertainty (Calculated):	0.356		
Result (pCi/L, g, F):	5.572		
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.186		
Numerical Performance Indicator:	0.99		
Percent Recovery:	112.63%		
Status vs Numerical Indicator:	N/A		
Upper % Recovery Limits:	Pass		
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:	

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

Comments:

Handwritten signature and date: 9/19/22

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	9/16/2022	
Sample I.D.:	30521575052	
Sample MS I.D.:	30521575063	
Sample MSD I.D.:	30521575054	
Spike I.D.:	22-029	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	20.058	
Spike Volume Used in MS (mL):	0.40	
Spike Volume Used in MSD (mL):	0.40	
MS Aliquot (L, g, F):	0.814	
MS Target Conc. (pCi/L, g, F):	9.852	
MSD Aliquot (L, g, F):	0.808	
MSD Target Conc. (pCi/L, g, F):	9.935	
MS Spike Uncertainty (calculated):	0.709	
MSD Spike Uncertainty (calculated):	0.715	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.312	
Sample Matrix Spike Result:	0.290	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	8.673	
Sample Matrix Spike Duplicate Result:	1.724	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	8.496	
MS Numerical Performance Indicator:	1.672	
MSD Numerical Performance Indicator:	-1.549	
MS Percent Recovery:	84.87%	
MSD Percent Recovery:	82.38%	
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%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30521575052
Sample MS I.D.:	30521575053
Sample MSD I.D.:	30521575054
Sample Matrix Spike Result:	8.673
Sample Matrix Spike Duplicate Result:	1.724
Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	8.496
Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.672
Duplicate Numerical Performance Indicator:	0.145
Duplicate Numerical Performance Indicator RPD:	2.98%
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	Pass
MS/MSD Duplicate Status vs Numerical Indicator:	Pass
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
 Analyst: RMS
 Date: 9/20/2022
 Worklist: 68887
 Matrix: DW

Method Blank Assessment	MB Sample ID	2586601
MB Concentration:	0.008	
M/B Counting Uncertainty:	0.047	
MB MDC:	0.133	
MB Numerical Performance Indicator:	0.32	
MB Status vs Numerical Indicator:	N/A	
MB Status vs. MDC:	Pass	

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
Count Date:	10/2/2022	LCSD68887
Decay Corrected Spike Concentration (pCi/mL):	19.033	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.505	
Target Conc. (pCi/L, g, F):	4.760	
Uncertainty (Calculated):	0.057	
Result (pCi/L, g, F):	3.983	
LCSD/LCSD Counting Uncertainty (pCi/L, g, F):	0.431	
Numerical Performance Indicator:	-3.46	
Percent Recovery:	83.89%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	125%	
Lower % Recovery Limits:	75%	

Duplicate Sample Assessment	Sample I.D.:	92624832001
Duplicate Sample I.D.:	92624832001DUP	
Duplicate Result (pCi/L, g, F):	0.124	
Sample Result Counting Uncertainty (pCi/L, g, F):	0.091	
Sample Duplicate Result (pCi/L, g, F):	0.071	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.074	
Are sample and/or duplicate results below RL?	See Below ##	
Duplicate Numerical Performance Indicator:	0.874	
Duplicate RPD:	53.80%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Fail**	
% RPD Limit:	25%	

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

Comments:

***Batch must be re-prepped due to unacceptable precision. N/A

LAM 10/3/22

M. 10/3/22

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 Counting Uncertainty (pCi/L, g, F):		
Sample Matrix Spike Result:		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	Sample I.D.:	92624832001
Sample I.D.:	92624832002	
Sample MS I.D.:	0.124	
Sample MSD I.D.:	0.091	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	0.187	
Sample Matrix Spike Duplicate Result:	0.104	
Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.074	
Duplicate Numerical Performance Indicator:	See Below ##	
Duplicate Numerical Performance Indicator:	0.874	
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	40.52%	
MS/MSD Duplicate Status vs Numerical Indicator:	N/A	
MS/MSD Duplicate Status vs RPD:	Fail**	
% RPD Limit:	25%	

LAM 10/3/22

Quality Control Sample Performance Assessment



Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-228
Analyst: VAL
Date: 9/19/2022
Worklist: 68888
Matrix: WT

Method Blank Assessment	
MB Sample ID	2586603
MB concentration:	0.798
M/B 2 Sigma CSU:	0.368
MB MDC:	0.604
MB Numerical Performance Indicator:	4.25
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	See Comment*

Laboratory Control Sample Assessment	
Count Date:	LCS (Y or N)?
9/28/2022	LCS068888
22-029	22-029
19.913	19.913
0.20	0.20
0.808	0.808
4.927	4.925
0.355	0.355
5.626	5.197
1.255	1.158
1.05	0.44
114.19%	105.52%
N/A	N/A
Pass	Pass
135%	135%
60%	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 Duplicate Result (pCi/L, g, F):	
Sample Result 2 Sigma CSU (pCi/L, g, F):	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Are sample and/or duplicate results below RL?	
Duplicate Numerical Performance Indicator:	
Duplicate (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	
% RPD Limit:	

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

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.: Sample MS I.D.: Sample MSD I.D.: Sample Matrix Spike Result: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F): Matrix Spike Duplicate Numerical Performance Indicator: Duplicate Numerical Performance Indicator: Duplicate (Based on the Percent Recoveries) MS/MSD Duplicate RPD: MS/MSD Duplicate Status vs Numerical Indicator: MS/MSD Duplicate Status vs RPD: % RPD Limit:

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.

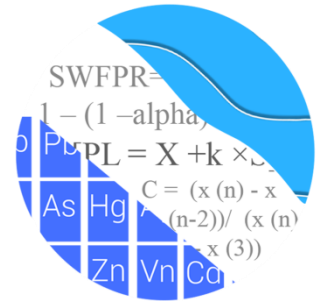
Handwritten signatures and initials

Appendix D

GROUNDWATER STATS CONSULTING

July 19, 2022

Southern Company Services
Attn: Mr. Greg Dyer
3535 Colonnade Parkway
Birmingham, AL 35243



Re: Plant Gaston Ash Pond
1st Semi-Annual Analysis – April/May 2022

Dear Mr. Dyer,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the April/May 2022 1st semi-annual sample event for Alabama Power Company's Plant Gaston Ash Pond. 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 United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at site for the Coal Combustion Residuals (CCR) program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GN-AP-MW-2, GN-AP-MW-3, GN-AP-MW-38, GN-AP-MW-39, GN-AP-MW-40, GN-AP-MW-41, and GN-AP-MW-42
- **Downgradient wells:** GN-AP-MW-1, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9, GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, and GN-AP-MW-22
- **Delineation wells:** GN-AP-MW-16V, GN-AP-MW-17V, GN-AP-MW-17SV, GN-AP-MW-20V, GN-AP-MW-20SV, GN-AP-MW-23D, GN-AP-MW-31VR, GN-AP-MW-32V, GN-AP-MW-33V, GN-AP-MW-34V, GN-AP-MW-35V, GN-AP-MW-36V, GN-AP-MW-37, GN-AP-MW-23S, GN-AP-MW-26, GN-AP-MW-27, GN-AP-MW-28H, GN-AP-MW-29H, and GN-AP-MW-30H

Data from delineation wells are included on time series and box plots but did not require formal statistics. Note that upgradient well GN-AP-MW-2 has been abandoned, but data are plotted on the time series graphs for historical data purposes to represent groundwater quality upgradient of the facility. Additionally, data from new upgradient wells GN-AP-MW-38, GN-AP-MW-39, GN-AP-MW-40, GN-AP-MW-41, and GN-AP-MW-42 were included in the construction of statistical limits during this analysis. Note that GN-AP-MW-1 was abandoned; therefore, it was not included in this analysis.

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 Kristina Rayner, Senior Statistician and Founder of 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.

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). A substitution of the most recent reporting limit is used for non-detect data. 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 earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on analysis of the spatial variability of groundwater quality data among wells upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. 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 and site/data characteristics:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan
- Background Number: 45
- # Constituents: 7
- # Downgradient wells: 19

Summary of Statistical Methods – Appendix III Parameters

Based on the earlier evaluation described above, interwell prediction limits were utilized in the analysis of this site.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. 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 Summary – Conducted in September 2019

Interwell prediction limits, which compare the most recent sample from each downgradient well to statistical limits constructed from pooled upgradient well data, are updated during each sample event. Data from upgradient wells are periodically re-screened for newly developing trends, which may require adjustment of the background period to eliminate the trend, as well as for outliers over the entire record. As discussed in the Statistical Analysis Plan (August 2020), interwell prediction limits are used to evaluate boron, calcium, chloride, fluoride, pH, sulfate, and TDS.

Prior to performing prediction limits, proposed background data through April/May 2019 were reviewed to identify suspected outliers at all upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate, and TDS. Both Tukey's Test and visual screening are used to identify potential outliers. When identified, values were flagged with "o" and excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective. Potential outliers that are identified by Tukey's test but are not greatly different from the rest of the data are not flagged. Also, outliers that are not identified as important by Tukey's test may be identified visually. 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 summaries of Tukey's test results was included with the September 2019 screening.

The Sen's Slope/Mann Kendall trend test was used to evaluate the entire record of data from upgradient wells for parameters utilizing interwell prediction limits. When statistically significant increasing trends are identified in upgradient wells, the earlier portion of data is deselected prior to construction of interwell statistical limits if the trending data would result in statistical limits that are not conservative from a regulatory perspective. A statistically significant trend was noted in well GN-AP-MW-1 (previously an

upgradient well) for calcium and was included on Trend Test Summary Table during the September 2019 screening. No adjustment was required as the period of record was short and the magnitude of the trend was low relative to the average concentrations in background. Since that time, GN-AP-MW-1 was redesignated from an upgradient well to a downgradient well and is currently abandoned. No other statistically significant trends were noted.

Evaluation of Appendix III Parameters – April/May 2022

Interwell Prediction Limits

Background (upgradient) well data were re-assessed for potential outliers during this analysis and no new values were flagged. Values in background which have been previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of previously flagged outliers follows this report (Figure C).

Interwell prediction limits combined with a 1-of-2 verification strategy were constructed for all Appendix III parameters (Figure D). Interwell prediction limits pool upgradient well data through May 2022 to establish a background limit for an individual constituent. Although upgradient well GN-AP-MW-2 has been abandoned, the data represent groundwater quality upgradient of the facility; therefore, this well is included with all upgradient well data for calculation of statistical limits. The April/May 2022 sample from each downgradient well is compared to the background limits to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary. A summary of the prediction limits results may be found in the Prediction Limit Summary tables following this letter. Several exceedances for interwell prediction limits were identified.

Trend Tests

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient

wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. Since the new upgradient wells GN-AP-MW-38, GN-AP-MW-39, GN-AP-MW-40, GN-AP-MW-41, and GN-AP-MW-42 currently have a maximum of 2 sample events, these wells were not included with the trend tests which require 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: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, and GN-AP-MW-20
- Calcium: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-16, GN-AP-MW-17, and GN-AP-MW-18
- Chloride: GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, and GN-AP-MW-20
- Sulfate: GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-17, and GN-AP-MW-19
- TDS: GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-16, GN-AP-MW-17, and GN-AP-MW-20

Decreasing:

- Sulfate: GN-AP-MW-5
- TDS: GN-AP-MW-8

Evaluation of Appendix IV Parameters – April/May 2022

Data from all upgradient wells for Appendix IV parameters were reassessed for outliers during this analysis. No changes to previously flagged outliers were made. A summary of previously flagged outliers follows this report (Figure C).

In accordance with Alabama Department of Environmental Management, the Groundwater Protections Standards (GWPS) were updated during the 2021 2nd semi-annual statistical analysis. The GWPS 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 upper tolerance limits (UTLs) constructed from pooled upgradient well data through September 2021. The tolerance limits contain a known fraction (coverage) of the background population with a known level of confidence. The tolerance limits contain a known fraction (coverage) of the background population with a known level of confidence. 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 (Figure F). The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

These background limits are then compared to the Maximum Contaminant Levels (MCLs) for each parameter, and the higher of the two is used as the GWPS (Figure G) in the confidence interval comparisons described below.

Confidence Intervals

Confidence intervals were then constructed on downgradient wells using a maximum of the most recent 8 samples through May 2022 for each of the Appendix IV parameters. These intervals were 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 in 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 (Figure H). Exceedances were noted for the following well/constituent pairs:

- Lithium: GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18 and GN-AP-MW-20
- Molybdenum: GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, and GN-AP-MW-20

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Gaston Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

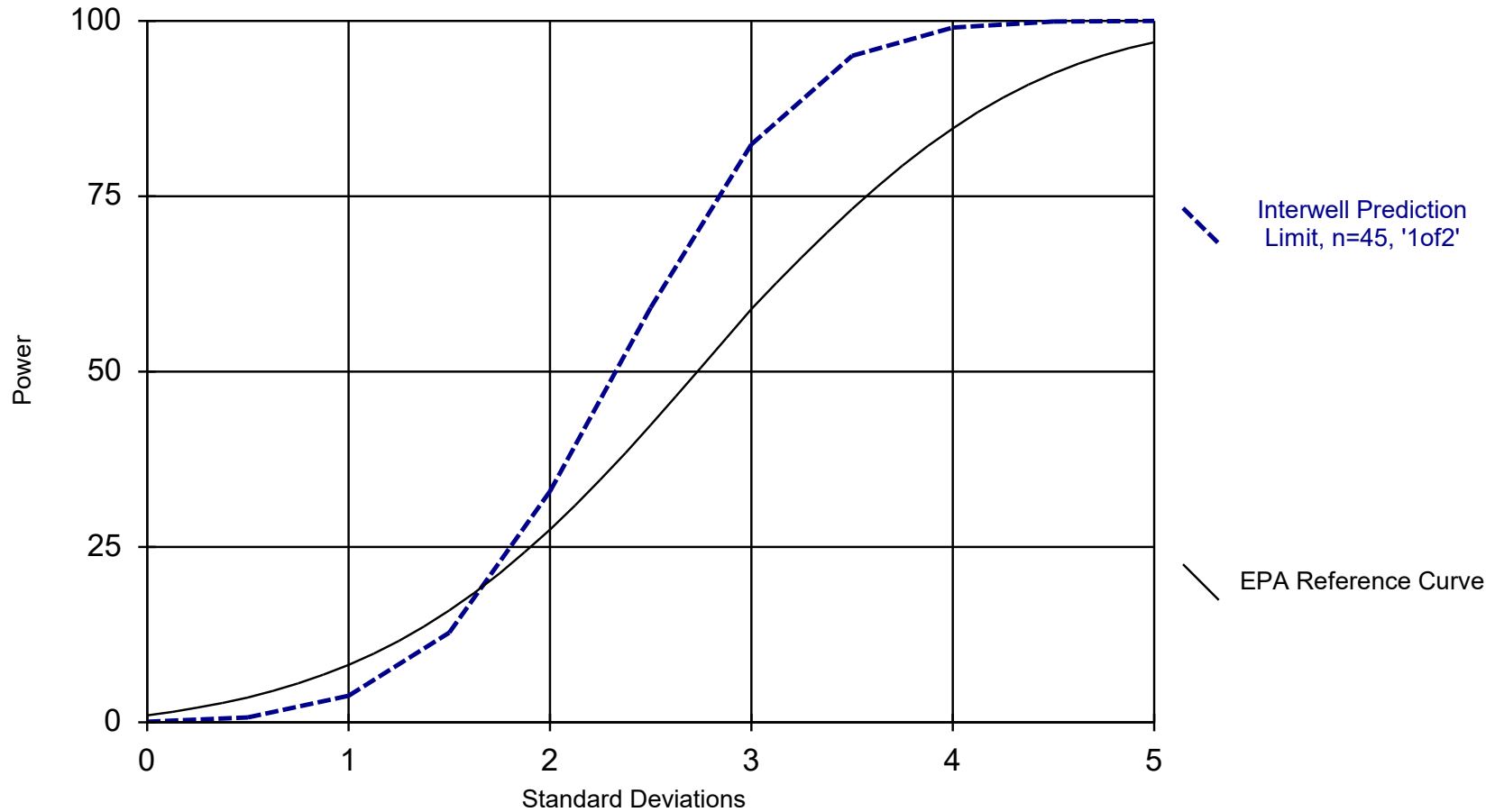


Andrew Collins
Project Manager



Kristina Rayner
Senior Statistician

Interwell Power Curve



Kappa = 2.214, based on 19 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 7/1/2022 11:13 AM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

100% Non-Detects: Appendix IV Downgradient

Analysis Run 7/15/2022 2:44 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Antimony (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-13, GN-AP-MW-16, GN-AP-MW-18, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-8, GN-AP-MW-9

Beryllium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Cadmium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Cobalt (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-14, GN-AP-MW-17, GN-AP-MW-20, GN-AP-MW-4, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-9

Lead (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Lithium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-19, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Mercury (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Selenium (mg/L)

GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Thallium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	5/2/2022	0.324	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	5/3/2022	0.465	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	5/2/2022	2.36	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	4/27/2022	1.47	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	4/20/2022	3.43	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	4/26/2022	1.65	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	4/20/2022	4.49	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	5/3/2022	1.61	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	5/3/2022	1	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	5/2/2022	0.109	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	5/3/2022	0.562	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	5/3/2022	1.81	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	5/3/2022	1.3	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.36	n/a	5/2/2022	43.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.36	n/a	5/3/2022	65.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.36	n/a	5/2/2022	44.1	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.36	n/a	4/27/2022	85.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.36	n/a	5/2/2022	93.2	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.36	n/a	4/27/2022	74.9	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.36	n/a	4/20/2022	240	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.36	n/a	4/26/2022	149	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.36	n/a	4/19/2022	45.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.36	n/a	4/20/2022	182	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.36	n/a	5/3/2022	73	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.36	n/a	5/3/2022	64	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.36	n/a	5/2/2022	56.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.36	n/a	5/3/2022	56.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.36	n/a	5/3/2022	68.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.36	n/a	5/3/2022	69	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.36	n/a	5/2/2022	52.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	5/2/2022	6.86	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	5/3/2022	18.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	5/2/2022	79.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	4/27/2022	35.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	4/20/2022	186	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	4/26/2022	13.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	4/19/2022	13.7	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	4/20/2022	19.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	5/3/2022	30.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	5/3/2022	14.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	5/2/2022	8.75	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	5/3/2022	12.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	5/3/2022	26.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	5/3/2022	12.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	5/2/2022	8.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-16	7.99	6.07	4/27/2022	8.17	Yes	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	7.99	6.07	4/20/2022	9.25	Yes	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.35	n/a	5/2/2022	58.3	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.35	n/a	5/3/2022	97	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.35	n/a	4/27/2022	118	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.35	n/a	5/2/2022	224	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.35	n/a	4/27/2022	191	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.35	n/a	4/20/2022	444	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.35	n/a	4/26/2022	216	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.35	n/a	4/19/2022	27.6	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.35	n/a	4/20/2022	575	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.35	n/a	5/3/2022	131	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.35	n/a	5/3/2022	74.2	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.35	n/a	5/3/2022	34	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.35	n/a	5/3/2022	115	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.35	n/a	5/3/2022	107	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.35	n/a	5/2/2022	17.9	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	GN-AP-MW-11	185	n/a	5/2/2022	234	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	185	n/a	5/3/2022	371	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	185	n/a	5/2/2022	201	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	185	n/a	4/27/2022	417	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	185	n/a	5/2/2022	574	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	185	n/a	4/27/2022	369	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	185	n/a	4/20/2022	967	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-18	185	n/a	4/26/2022	596	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	185	n/a	4/19/2022	225	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	185	n/a	4/20/2022	946	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	185	n/a	5/3/2022	388	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	185	n/a	5/3/2022	308	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	185	n/a	5/2/2022	248	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	185	n/a	5/3/2022	239	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	185	n/a	5/3/2022	376	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	185	n/a	5/3/2022	329	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	185	n/a	5/2/2022	237	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	185	n/a	5/2/2022	209	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-10	0.1015	n/a	5/2/2022	0.0352J	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	5/2/2022	0.324	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	5/3/2022	0.465	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-13	0.1015	n/a	5/2/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-14	0.1015	n/a	4/27/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	5/2/2022	2.36	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	4/27/2022	1.47	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	4/20/2022	3.43	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	4/26/2022	1.65	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-19	0.1015	n/a	4/19/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	4/20/2022	4.49	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	5/3/2022	1.61	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	5/3/2022	1	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	5/2/2022	0.109	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	5/3/2022	0.562	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	5/3/2022	1.81	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	5/3/2022	1.3	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-8	0.1015	n/a	5/2/2022	0.0313J	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-9	0.1015	n/a	5/2/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-10	38.36	n/a	5/2/2022	37.8	No	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.36	n/a	5/2/2022	43.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.36	n/a	5/3/2022	65.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.36	n/a	5/2/2022	44.1	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.36	n/a	4/27/2022	85.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.36	n/a	5/2/2022	93.2	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.36	n/a	4/27/2022	74.9	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.36	n/a	4/20/2022	240	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.36	n/a	4/26/2022	149	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.36	n/a	4/19/2022	45.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.36	n/a	4/20/2022	182	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.36	n/a	5/3/2022	73	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.36	n/a	5/3/2022	64	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.36	n/a	5/2/2022	56.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.36	n/a	5/3/2022	56.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.36	n/a	5/3/2022	68.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.36	n/a	5/3/2022	69	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.36	n/a	5/2/2022	52.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-9	38.36	n/a	5/2/2022	30.9	No	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-10	6.09	n/a	5/2/2022	3.2	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	5/2/2022	6.86	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	5/3/2022	18.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-13	6.09	n/a	5/2/2022	4.32	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-14	6.09	n/a	4/27/2022	4.1	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	5/2/2022	79.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	4/27/2022	35.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	4/20/2022	186	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	4/26/2022	13.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	4/19/2022	13.7	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	4/20/2022	19.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	5/3/2022	30.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	5/3/2022	14.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	5/2/2022	8.75	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	5/3/2022	12.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	5/3/2022	26.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	5/3/2022	12.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-8	6.09	n/a	5/2/2022	3.33	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	5/2/2022	8.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GN-AP-MW-10	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-11	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-12	0.181	n/a	5/3/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-13	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-14	0.181	n/a	4/27/2022	0.0652J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-15R	0.181	n/a	5/2/2022	0.08J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-16	0.181	n/a	4/27/2022	0.0766J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-17	0.181	n/a	4/20/2022	0.128	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-18	0.181	n/a	4/26/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-19	0.181	n/a	4/19/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:07 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03294	116	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03298	132	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.374	131	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1526	92	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-11	1.183	70	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.215	73	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	2.765	87	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	18.02	100	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.166	84	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-11	0.1678	80	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	11.22	139	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.1	126	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	7.583	123	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.373	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5325	81	68	Yes	18	5.556	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.6244	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.5047	87	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-11	4.209	123	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.71	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.34	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.138	77	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-19.72	-83	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	2.025	95	68	Yes	18	5.556	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-11	6.591	110	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	5.765	79	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	10.66	74	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	47.95	97	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.95	71	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-8.526	-89	-68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	6.342	95	68	Yes	18	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:07 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03294	116	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03298	132	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.374	131	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-16	0.02049	56	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-17	0.07864	39	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-18	0.03097	47	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-2 (bg)	0	0	43	No	13	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1526	92	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-21	0.04042	17	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-22	0.01828	5	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-3 (bg)	0	0	68	No	18	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-4	-0.02648	-37	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-5	-0.1273	-37	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-6	-0.01839	-11	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-7	0.02205	10	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-39 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-40 (bg)	0.06603	NaN	NaN	No	3	66.67	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-41 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-38 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-42 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-11	1.183	70	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.215	73	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-13	-0.02476	-3	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-14	-0.05967	-2	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-15R	8.384	72	87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	2.765	87	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	18.02	100	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.166	84	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-19	0	0	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-2 (bg)	0.6928	22	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-20	2.777	44	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-21	3.304	37	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-22	5.877	56	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-3 (bg)	0.1279	20	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-4	0.1095	13	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-5	-1.093	-14	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-6	3.052	43	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-7	-0.1534	-1	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-8	-0.37	-31	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-39 (bg)	1.374	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-40 (bg)	-1.276	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-41 (bg)	2.747	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-38 (bg)	0.09812	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-42 (bg)	-0.6887	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-11	0.1678	80	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-12	-0.1137	-35	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	11.22	139	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.1	126	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	7.583	123	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.373	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5325	81	68	Yes	18	5.556	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-2 (bg)	-0.1215	-9	-43	No	13	7.692	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.6244	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-21	1.94	29	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-22	2.83	36	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-3 (bg)	-0.04472	-48	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-4	-1.583	-38	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-5	-0.5341	-6	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-6	6.636	63	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-7	1.195	41	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.5047	87	68	Yes	18	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:07 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GN-AP-MW-39 (bg)	-0.677	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-40 (bg)	-2.06	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-41 (bg)	-0.3336	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-38 (bg)	-0.628	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-42 (bg)	-0.3739	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-16	-0.01162	-27	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-17	-0.04756	-63	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-2 (bg)	-0.02103	-11	-48	No	14	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-3 (bg)	-0.005505	-20	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-39 (bg)	-0.2355	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-40 (bg)	-0.08831	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-41 (bg)	-0.3728	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-38 (bg)	-0.07849	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-42 (bg)	0.1673	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-11	4.209	123	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.71	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-14	7.41	54	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-15R	20.75	71	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-16	7.184	58	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.34	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-18	8.33	56	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.138	77	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-2 (bg)	-0.2042	-15	-43	No	13	7.692	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-20	3.891	24	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-21	4.451	27	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-22	-8.859	-38	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-3 (bg)	-0.2837	-43	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-19.72	-83	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-6	-2.368	-42	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-7	-5.964	-42	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	2.025	95	68	Yes	18	5.556	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-39 (bg)	-3.14	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-40 (bg)	-6.178	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-41 (bg)	-1.59	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-38 (bg)	-9.694	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-42 (bg)	-2.627	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-11	6.591	110	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	5.765	79	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-13	-0.5668	-20	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-14	13.15	57	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-15R	40.58	54	87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	10.66	74	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	47.95	97	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-18	10.59	68	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-19	0.9107	21	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-2 (bg)	-1.254	-10	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.95	71	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-21	5.132	15	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-22	4.465	12	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-3 (bg)	-0.5376	-15	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-4	-12.03	-56	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-5	-13.49	-37	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-6	8.707	39	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-7	0	-1	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-8.526	-89	-68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	6.342	95	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-39 (bg)	-1.962	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-40 (bg)	-10.79	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-41 (bg)	11.77	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-38 (bg)	-6.868	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-42 (bg)	-9.838	NaN	NaN	No	3	0	n/a	n/a	NaN	NP

Upper Tolerance Limits - Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 1/6/2022, 6:28 PM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	92.5	n/a	0.1285	NP Inter
Arsenic (mg/L)	0.00105	n/a	n/a	n/a	n/a	40	72.5	n/a	0.1285	NP Inter
Barium (mg/L)	0.0283	n/a	n/a	n/a	n/a	40	0	n/a	0.1285	NP Inter
Beryllium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Cadmium (mg/L)	0.000855	n/a	n/a	n/a	n/a	40	95	n/a	0.1285	NP Inter
Chromium (mg/L)	0.01	n/a	n/a	n/a	n/a	40	70	n/a	0.1285	NP Inter
Cobalt (mg/L)	0.00168	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Combined Radium 226 + 228 (pCi/L)	3	n/a	n/a	n/a	n/a	38	0	n/a	0.1424	NP Inter
Fluoride (mg/L)	0.181	n/a	n/a	n/a	n/a	42	57.14	n/a	0.116	NP Inter
Lead (mg/L)	0.00128	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Lithium (mg/L)	0.02	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Mercury (mg/L)	0.0005	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Molybdenum (mg/L)	0.00856	n/a	n/a	n/a	n/a	40	32.5	n/a	0.1285	NP Inter
Selenium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Thallium (mg/L)	0.000648	n/a	n/a	n/a	n/a	40	82.5	n/a	0.1285	NP Inter

GASTON AP GWPS			
Analyte	Units	Background	GWPS
Antimony	mg/L	0.00102	0.006
Arsenic	mg/L	0.00105	0.01
Barium	mg/L	0.0283	2
Beryllium	mg/L	0.00102	0.004
Cadmium	mg/L	0.000855	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00168	0.006
Combined Radium-226/228	pCi/L	3	5
Fluoride	mg/L	0.181	4
Lead	mg/L	0.00128	0.015
Lithium	mg/L	0.02	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.00856	0.1
Selenium	mg/L	0.00102	0.05
Thallium	mg/L	0.000648	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 Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	GN-AP-MW-16	0.1204	0.07942	0.04	Yes	8	0.09993	0.01935	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.004	0.6676	0.04	Yes	8	0.834	0.1604	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	GN-AP-MW-18	0.0509	0.04183	0.04	Yes	8	0.04641	0.004902	0	None	x^5	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1384	0.1149	0.04	Yes	8	0.1266	0.01108	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-15R	0.3417	0.1195	0.1	Yes	8	0.2306	0.1048	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.267	0.1	Yes	8	0.3925	0.111	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.31	2.193	0.1	Yes	8	2.751	0.5271	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-20	0.841	0.786	0.1	Yes	8	0.8135	0.02596	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GN-AP-MW-12	0.00102	0.000871	0.006	No	8	0.001001	0.00005268	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-14	0.00102	0.000939	0.006	No	8	0.00101	0.00002864	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-15R	0.00113	0.000998	0.006	No	8	0.001031	0.00004074	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-17	0.001126	0.0005645	0.006	No	8	0.0009485	0.000228	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	GN-AP-MW-19	0.00123	0.00102	0.006	No	8	0.001046	0.00007425	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-6	0.00102	0.000819	0.006	No	8	0.0009949	0.00007106	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-7	0.00102	0.00089	0.006	No	8	0.001004	0.00004596	87.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-10	0.005	0.00024	0.01	No	8	0.003224	0.002451	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-11	0.005	0.00017	0.01	No	8	0.003198	0.002487	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-12	0.007034	0.002418	0.01	No	8	0.004726	0.002177	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-13	0.005	0.00043	0.01	No	8	0.003326	0.002311	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-14	0.005	0.000441	0.01	No	8	0.002835	0.002322	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-15R	0.00282	0.0005553	0.01	No	8	0.001645	0.00144	12.5	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-16	0.005585	0.004542	0.01	No	8	0.005064	0.0004922	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-17	0.01135	0.009043	0.01	No	8	0.0102	0.001088	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-18	0.0067	0.00265	0.01	No	8	0.003539	0.001366	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-19	0.00361	0.00196	0.01	No	8	0.002505	0.0005844	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-20	0.004285	0.003642	0.01	No	8	0.003964	0.0003032	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-21	0.002368	0.0009454	0.01	No	8	0.001639	0.0007351	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-22	0.005	0.00015	0.01	No	8	0.002724	0.00246	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-4	0.005	0.000142	0.01	No	8	0.003185	0.002505	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-5	0.005	0.000148	0.01	No	8	0.003182	0.002509	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-6	0.005	0.0000955	0.01	No	8	0.003173	0.002521	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-7	0.005	0.00016	0.01	No	8	0.003193	0.002494	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-8	0.005	0.00107	0.01	No	8	0.00183	0.00132	12.5	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-9	0.003033	0.002225	0.01	No	8	0.002629	0.0003814	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-10	0.01403	0.01285	2	No	8	0.01334	0.0006523	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-11	0.009656	0.008207	2	No	8	0.008931	0.0006833	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-12	0.08062	0.07013	2	No	8	0.07538	0.004949	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-13	0.04239	0.03556	2	No	8	0.03898	0.003225	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-14	0.07667	0.06433	2	No	8	0.0705	0.005823	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-15R	0.134	0.0541	2	No	8	0.07448	0.02577	0	None	No	0.004	NP (normality)
Barium (mg/L)	GN-AP-MW-16	0.0482	0.0312	2	No	8	0.0397	0.008018	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-17	0.12	0.0898	2	No	8	0.1095	0.01175	0	None	No	0.004	NP (normality)
Barium (mg/L)	GN-AP-MW-18	0.05255	0.04483	2	No	8	0.04869	0.003643	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-19	0.01949	0.01463	2	No	8	0.01706	0.002292	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-20	0.06302	0.0573	2	No	8	0.06016	0.002698	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-21	0.04481	0.02179	2	No	8	0.0333	0.01086	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-22	0.04594	0.03194	2	No	8	0.03894	0.006606	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-4	0.02953	0.01409	2	No	8	0.02181	0.007285	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-5	0.03468	0.02337	2	No	8	0.02903	0.005333	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-6	0.02547	0.02058	2	No	8	0.02303	0.002311	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-7	0.02763	0.02122	2	No	8	0.02443	0.003026	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-8	0.0205	0.017	2	No	8	0.01875	0.001649	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-9	0.1171	0.1047	2	No	8	0.1109	0.005866	0	None	No	0.01	Param.
Cadmium (mg/L)	GN-AP-MW-16	0.0002	0.00008	0.005	No	8	0.0001725	0.00005122	75	None	No	0.004	NP (NDs)
Cadmium (mg/L)	GN-AP-MW-17	0.00051	0.0002	0.005	No	8	0.0003515	0.0001371	37.5	None	No	0.004	NP (normality)
Cadmium (mg/L)	GN-AP-MW-20	0.0002	0.00008	0.005	No	8	0.0001666	0.00004828	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-10	0.00102	0.00025	0.1	No	8	0.0007356	0.0003925	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-11	0.00102	0.00065	0.1	No	8	0.0009266	0.0001483	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-12	0.00102	0.000278	0.1	No	8	0.0008485	0.000319	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-13	0.00102	0.00027	0.1	No	8	0.0007554	0.0003659	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-14	0.00102	0.000234	0.1	No	8	0.0007355	0.0003931	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-15R	0.00102	0.00027	0.1	No	8	0.0008071	0.0003302	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-16	0.00102	0.00021	0.1	No	8	0.0007436	0.0003829	62.5	None	No	0.004	NP (NDs)

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GN-AP-MW-17	0.00102	0.00028	0.1	No	8	0.0007621	0.0003568	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-18	0.00102	0.00024	0.1	No	8	0.0007455	0.0003797	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-19	0.00102	0.00024	0.1	No	8	0.0007445	0.0003808	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-20	0.00186	0.00029	0.1	No	8	0.0009537	0.00048	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-21	0.00102	0.00032	0.1	No	8	0.0008512	0.0003127	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-22	0.00102	0.00026	0.1	No	8	0.0007471	0.0003769	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-4	0.00102	0.00074	0.1	No	8	0.0009461	0.0001115	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-5	0.00102	0.000278	0.1	No	8	0.0007585	0.0003616	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-6	0.00102	0.000259	0.1	No	8	0.0007511	0.0003719	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-7	0.00102	0.00035	0.1	No	8	0.0007907	0.0003196	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-8	0.00102	0.00031	0.1	No	8	0.0007566	0.0003636	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-9	0.00102	0.00029	0.1	No	8	0.0007506	0.0003719	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-12	0.00022	0.000113	0.006	No	8	0.0001866	0.0000341	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-13	0.0002	0.00014	0.006	No	8	0.0001852	0.00002732	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-15R	0.0004	0.0002	0.006	No	8	0.0002527	0.00008084	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-16	0.00095	0.0002	0.006	No	8	0.0004161	0.000309	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-18	0.0016	0.0002	0.006	No	8	0.0005691	0.0005747	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-19	0.0002	0.0000907	0.006	No	8	0.0001713	0.00004532	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-21	0.00116	0.0002	0.006	No	8	0.0003467	0.0003341	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-22	0.000333	0.00015	0.006	No	8	0.0002241	0.00006283	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-5	0.0002	0.00009	0.006	No	8	0.0001733	0.00004951	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-8	0.0002	0.0000945	0.006	No	8	0.0001868	0.0000373	87.5	None	No	0.004	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-10	0.6563	0.2122	5	No	8	0.4343	0.2095	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-11	0.586	0.1091	5	No	8	0.3475	0.225	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-12	1.633	0.8892	5	No	8	1.261	0.3509	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-13	1.005	0.5371	5	No	8	0.7711	0.2208	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-14	1.135	0.2784	5	No	8	0.7068	0.4041	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-15R	1.72	0.7662	5	No	8	1.232	0.4957	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-16	4.393	3.019	5	No	8	3.706	0.6482	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-17	1.776	0.7191	5	No	8	1.247	0.4984	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-18	2.012	1.168	5	No	8	1.59	0.3983	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-19	1.226	0.2377	5	No	8	0.7316	0.466	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-20	15.7	1.49	5	No	8	13.27	4.875	0	None	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-21	0.9727	0.1133	5	No	8	0.543	0.4054	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-22	0.7609	0.2923	5	No	8	0.5266	0.2211	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-4	1.024	0.351	5	No	8	0.6878	0.3177	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-5	1.257	0.392	5	No	8	0.8246	0.4081	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-6	0.6316	0.3009	5	No	8	0.4663	0.156	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-7	0.8123	0.3574	5	No	8	0.5849	0.2146	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-8	0.6448	0.09974	5	No	8	0.3723	0.2571	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-9	1.037	0.2531	5	No	8	0.6303	0.3677	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-10	0.125	0.04	4	No	8	0.0923	0.03713	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-11	0.125	0.04	4	No	8	0.09284	0.0365	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-12	0.08041	0.04475	4	No	8	0.08599	0.03529	37.5	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-13	0.125	0.05	4	No	8	0.09459	0.03177	37.5	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-14	0.1358	0.08364	4	No	8	0.1097	0.02459	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-15R	0.1079	0.0798	4	No	8	0.09388	0.01328	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-16	0.1526	0.1008	4	No	8	0.1267	0.02447	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-17	0.2249	0.1528	4	No	8	0.1889	0.03401	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-18	0.125	0.0551	4	No	8	0.08121	0.02833	25	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-19	0.125	0.05	4	No	8	0.0809	0.03227	25	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-20	0.0753	0.05269	4	No	8	0.08681	0.03297	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-21	0.125	0.07	4	No	8	0.0957	0.02506	37.5	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-22	0.1053	0.06099	4	No	8	0.08316	0.02092	12.5	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-4	0.125	0.0506	4	No	8	0.1038	0.03068	62.5	None	No	0.004	NP (NDs)

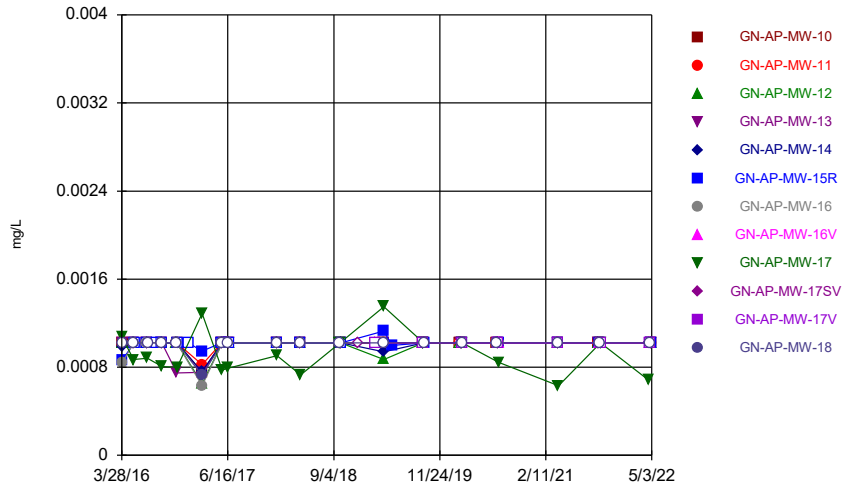
Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GN-AP-MW-5	0.1031	0.04772	4	No	8	0.07539	0.02611	12.5	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-6	0.085	0.05316	4	No	8	0.09005	0.0316	37.5	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-7	0.125	0.05	4	No	8	0.0776	0.03186	25	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-8	0.1238	0.0846	4	No	8	0.1042	0.0185	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-9	0.1621	0.1187	4	No	8	0.1404	0.02049	0	None	No	0.01	Param.
Lead (mg/L)	GN-AP-MW-13	0.0002	0.000106	0.015	No	8	0.0001882	0.00003323	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-19	0.0002	0.00019	0.015	No	8	0.0001987	0.000003536	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-5	0.0002	0.0001	0.015	No	8	0.0001675	0.00004652	62.5	None	No	0.004	NP (NDs)
Lithium (mg/L)	GN-AP-MW-15R	0.1607	0.02488	0.04	No	8	0.0928	0.06407	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-16	0.1204	0.07942	0.04	Yes	8	0.09993	0.01935	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.004	0.6676	0.04	Yes	8	0.834	0.1604	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	GN-AP-MW-18	0.0509	0.04183	0.04	Yes	8	0.04641	0.004902	0	None	x^5	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1384	0.1149	0.04	Yes	8	0.1266	0.01108	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-5	0.04017	0.007015	0.04	No	8	0.02626	0.01472	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-6	0.02	0.0178	0.04	No	8	0.01972	0.0007778	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-10	0.01	0.00018	0.1	No	8	0.00633	0.005065	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-11	0.01	0.00026	0.1	No	8	0.006371	0.005008	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-12	0.01	0.0003	0.1	No	8	0.006374	0.005004	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-13	0.01	0.0003	0.1	No	8	0.006367	0.005014	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-14	0.01	0.000298	0.1	No	8	0.006417	0.004945	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-15R	0.3417	0.1195	0.1	Yes	8	0.2306	0.1048	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.267	0.1	Yes	8	0.3925	0.111	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.31	2.193	0.1	Yes	8	2.751	0.5271	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-18	0.0598	0.0192	0.1	No	8	0.03273	0.01685	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-19	0.01418	0.01217	0.1	No	8	0.01318	0.0009438	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-20	0.841	0.786	0.1	Yes	8	0.8135	0.02596	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-21	0.01558	0.007033	0.1	No	8	0.01131	0.004034	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-22	0.08079	0.04046	0.1	No	8	0.06063	0.01903	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-4	0.01	0.000137	0.1	No	8	0.006337	0.005055	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-5	0.294	0.0389	0.1	No	8	0.1422	0.1045	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-6	0.01693	0.009954	0.1	No	8	0.01344	0.003289	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-7	0.01	0.00021	0.1	No	8	0.006339	0.005053	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-8	0.01	0.00072	0.1	No	8	0.006586	0.004713	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-9	0.01	0.000821	0.1	No	8	0.00663	0.004652	62.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	GN-AP-MW-10	0.00102	0.00055	0.05	No	8	0.0009612	0.0001662	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-17	0.0002	0.00008	0.002	No	8	0.000185	0.00004243	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-18	0.0004604	0.0003549	0.002	No	8	0.0004076	0.00004979	0	None	No	0.01	Param.

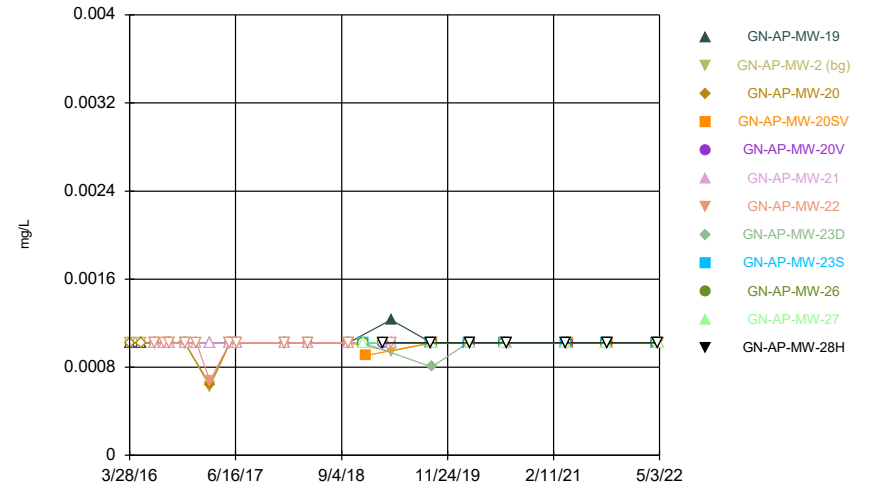
FIGURE A.

Time Series



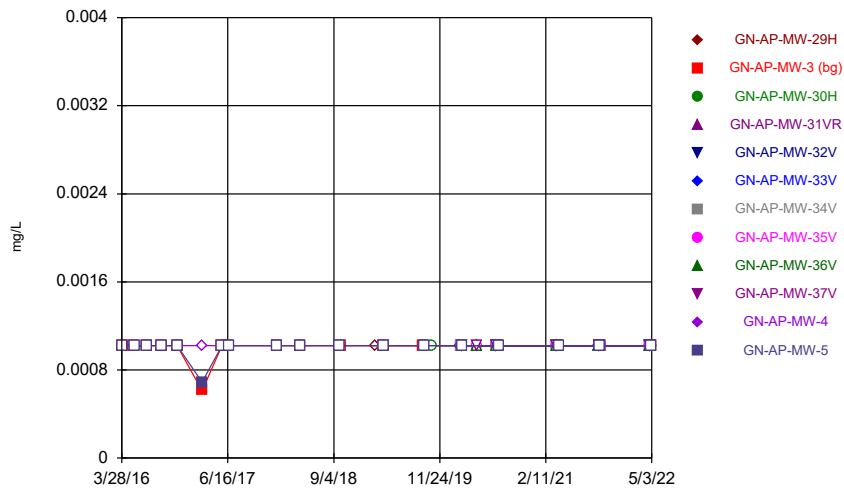
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



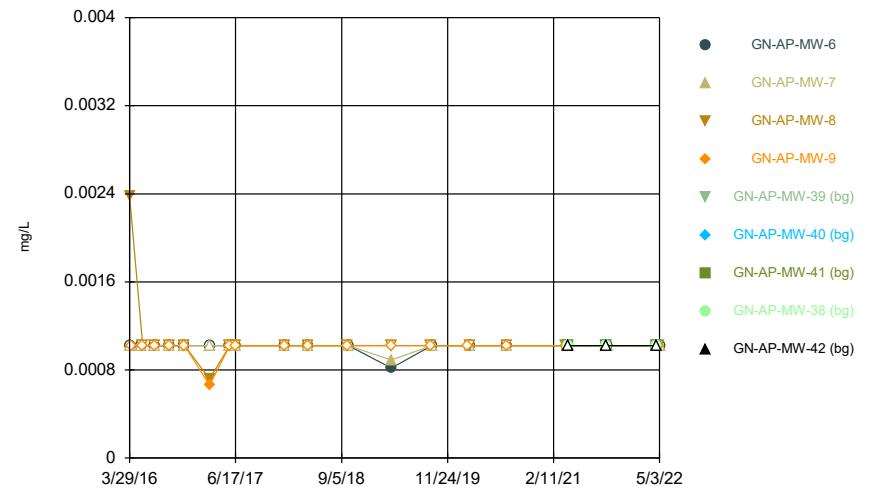
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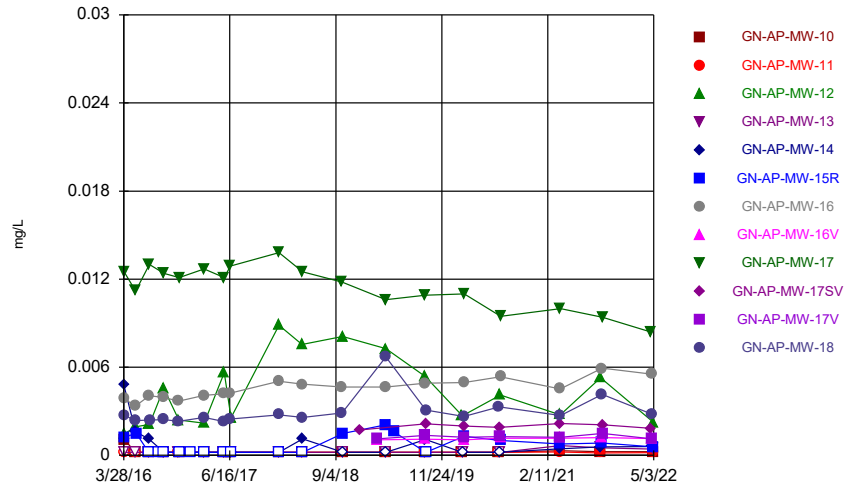
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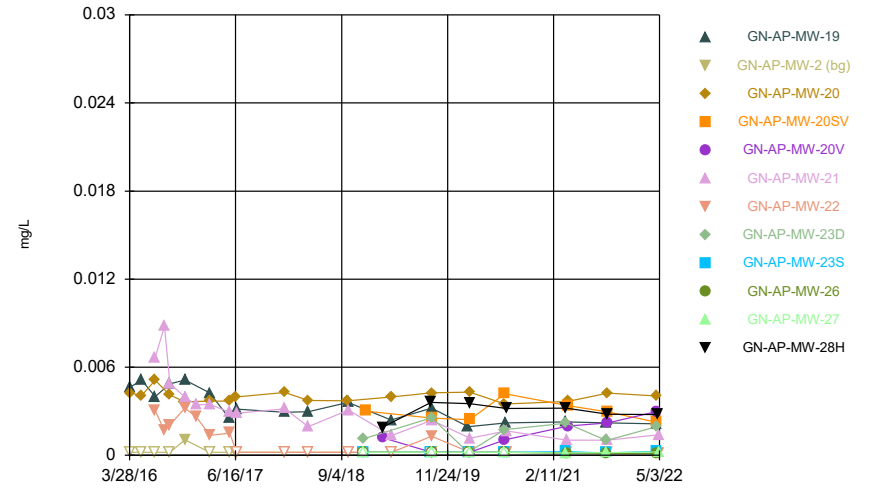
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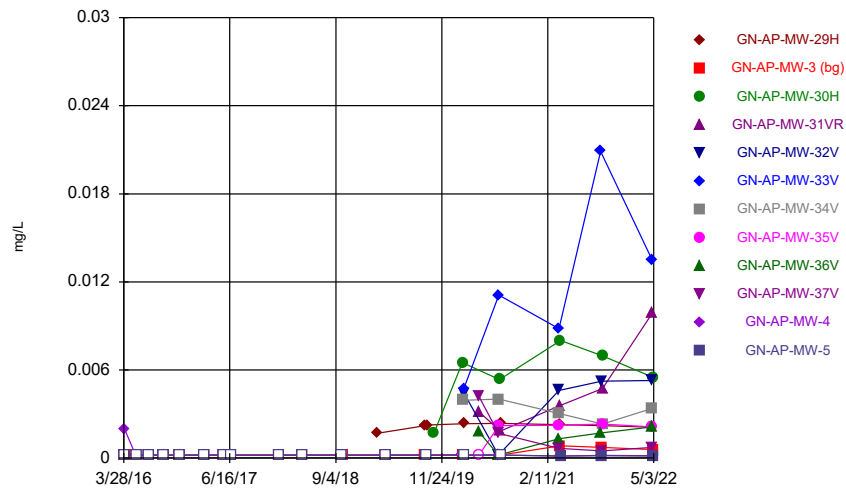
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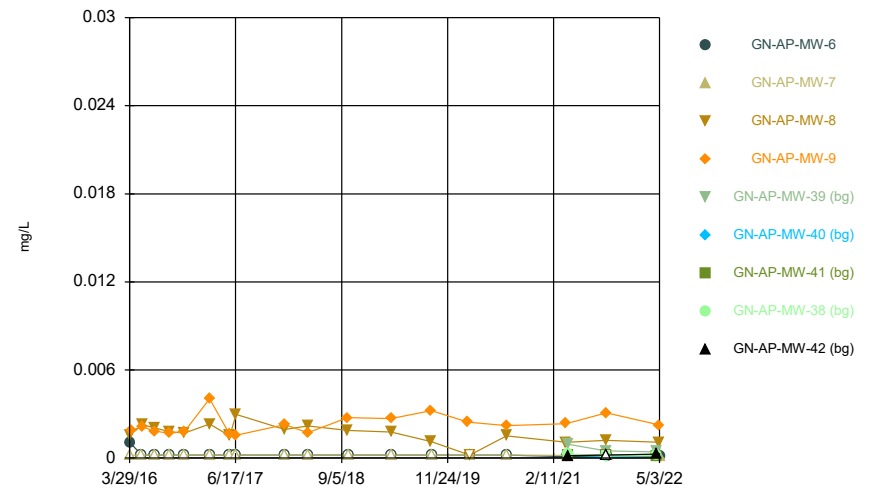
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Time Series



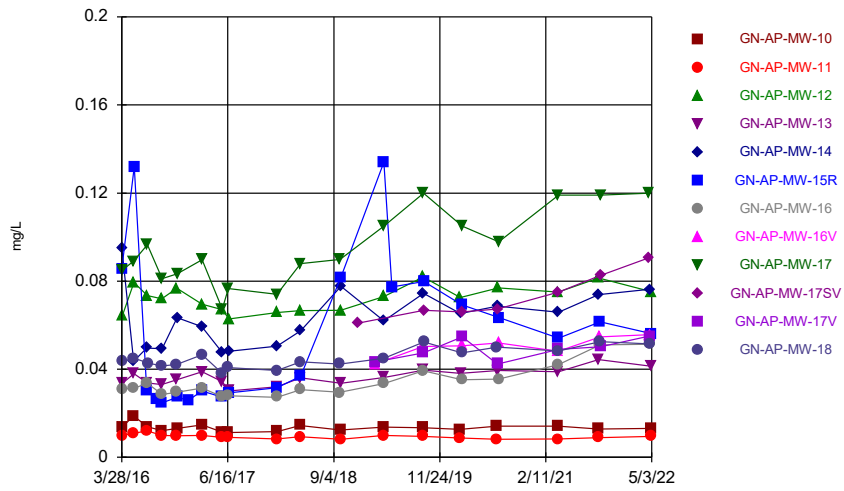
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Time Series



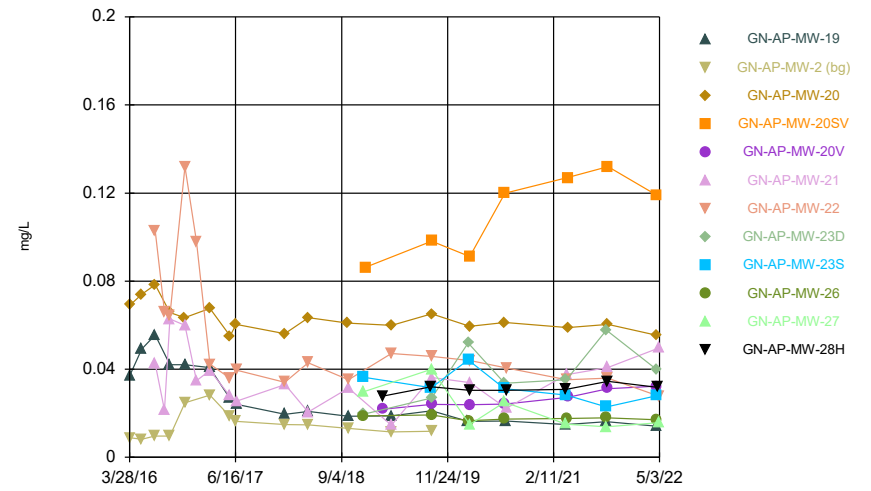
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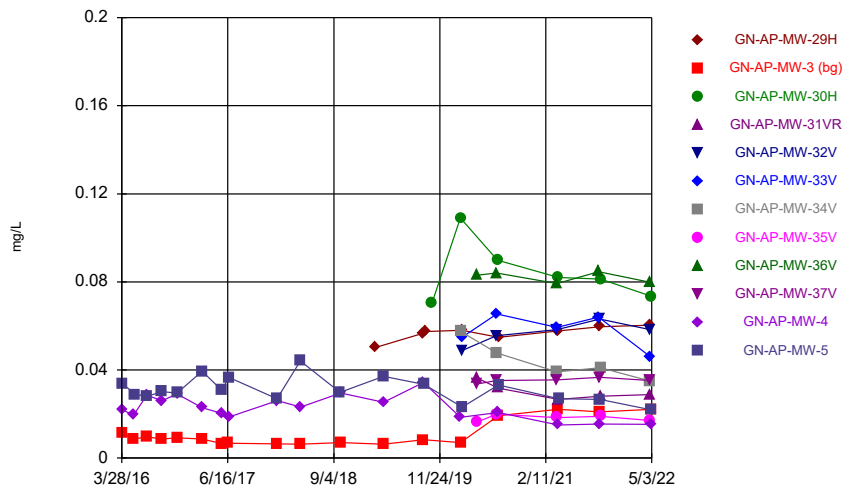
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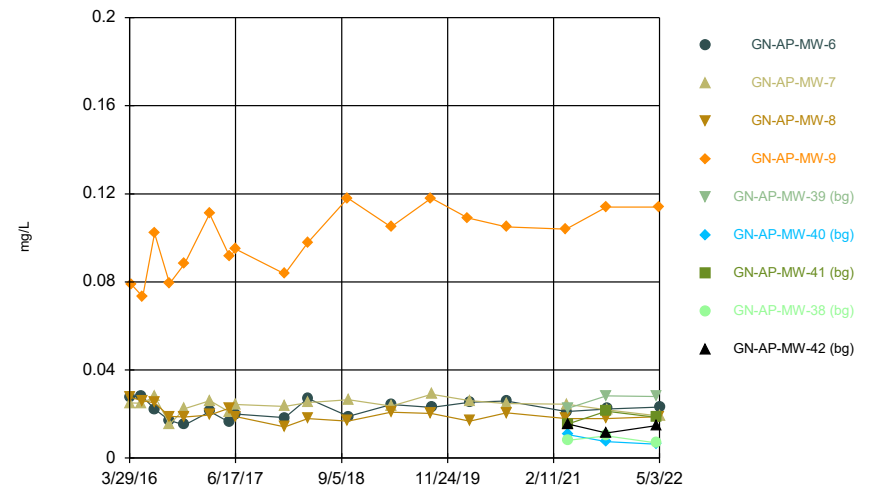
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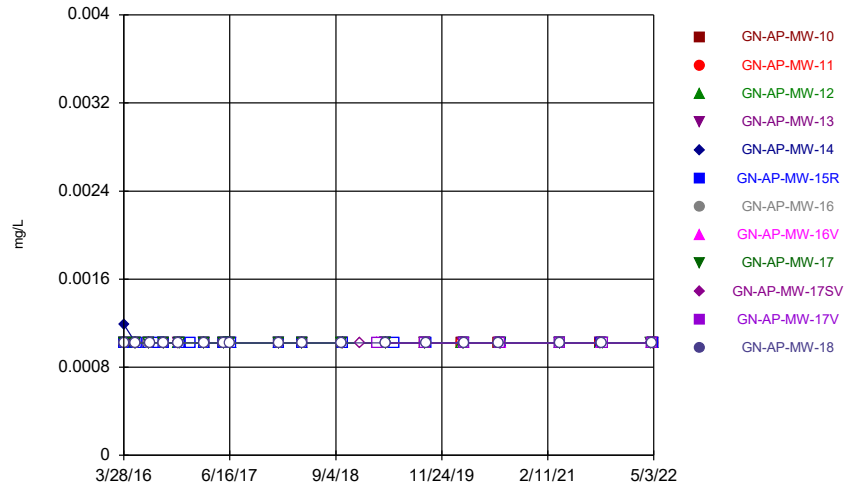
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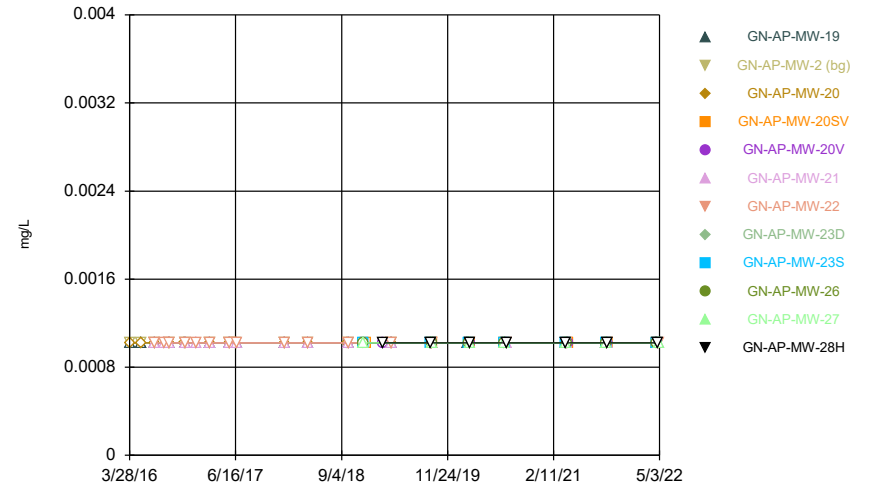
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Time Series



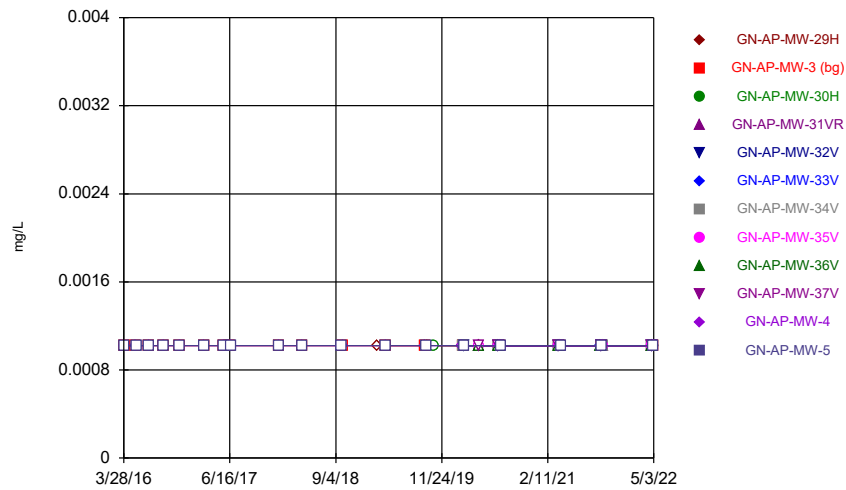
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Time Series



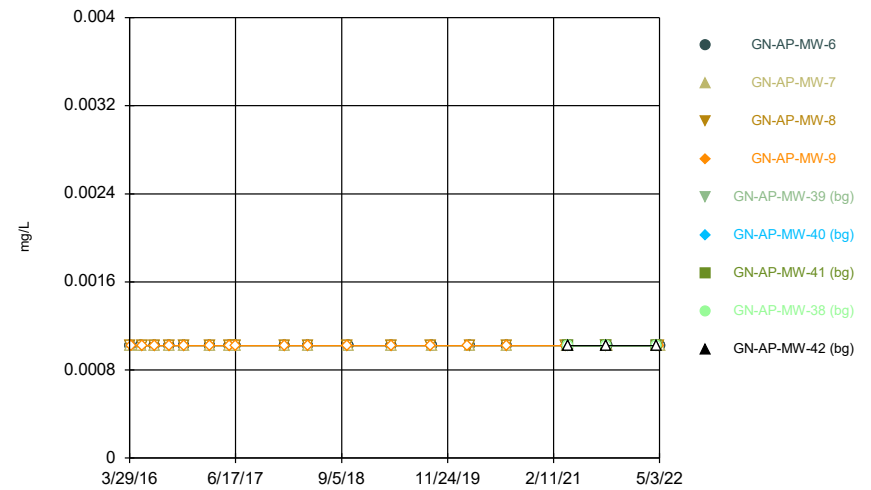
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Time Series



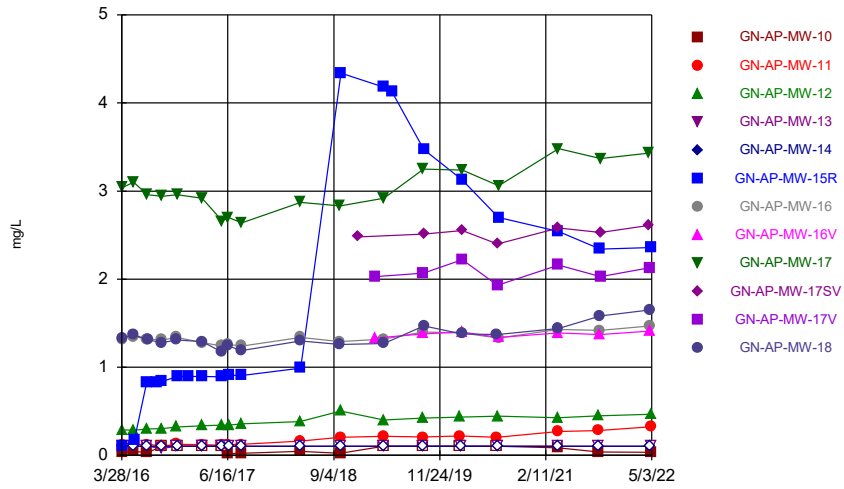
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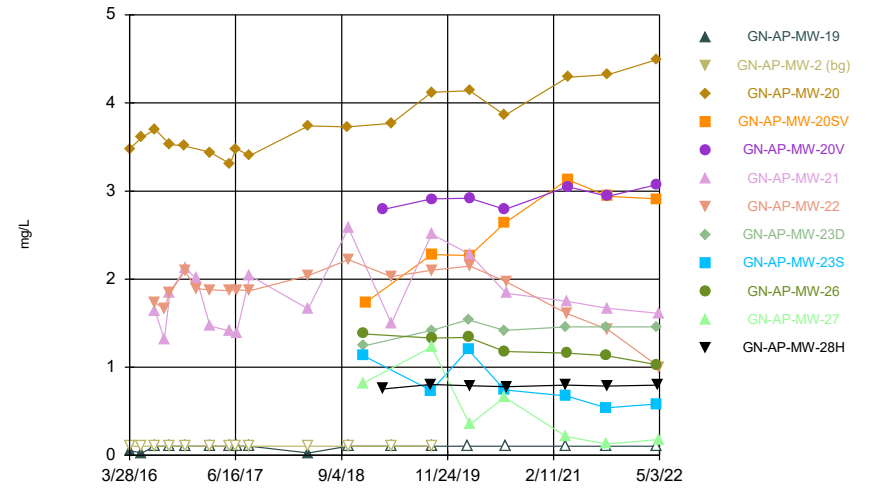
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Time Series



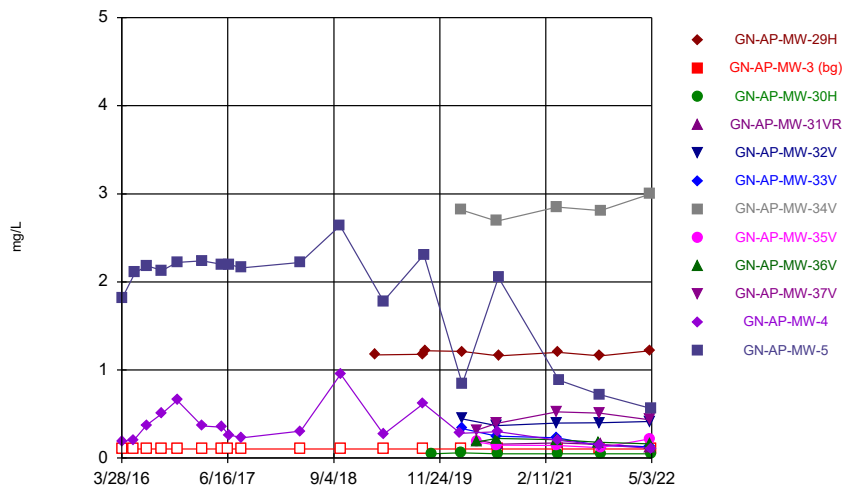
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



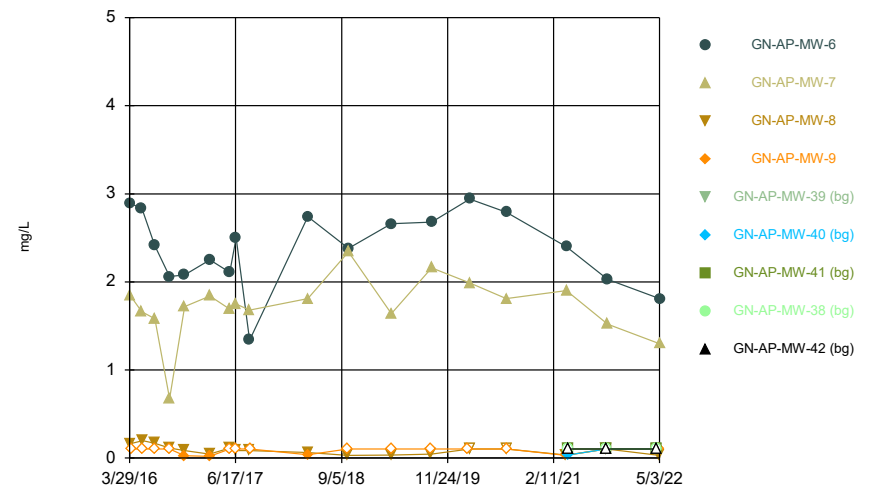
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



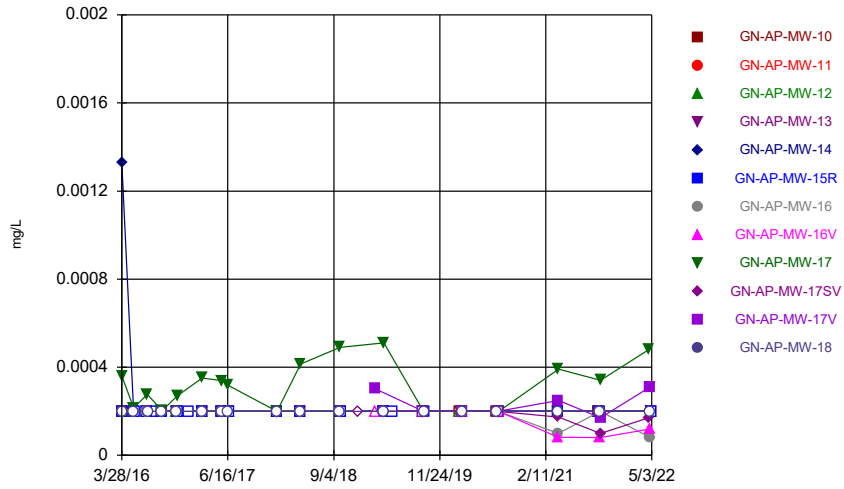
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



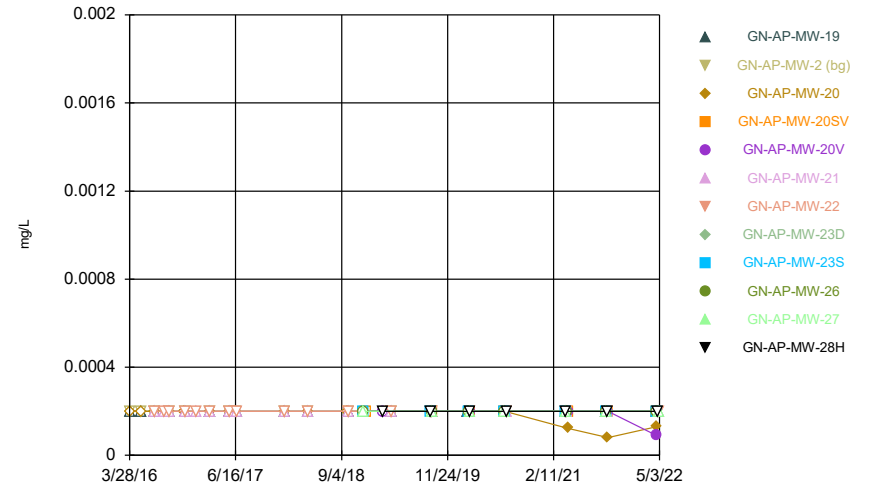
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



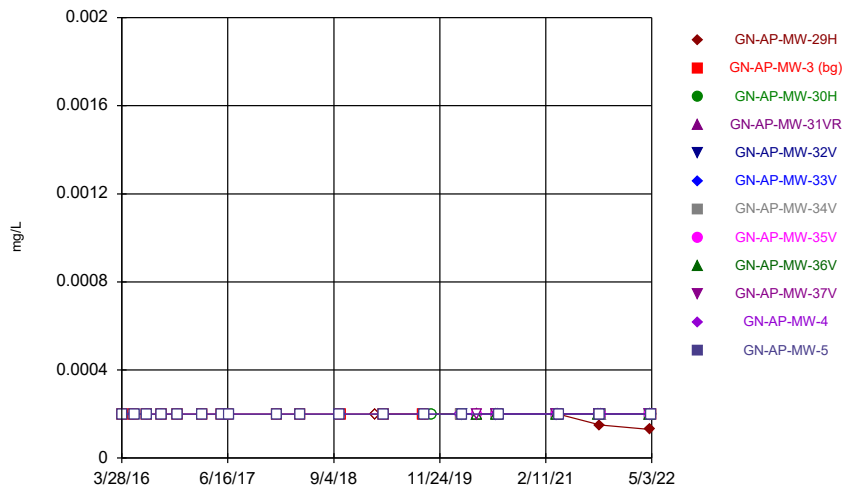
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



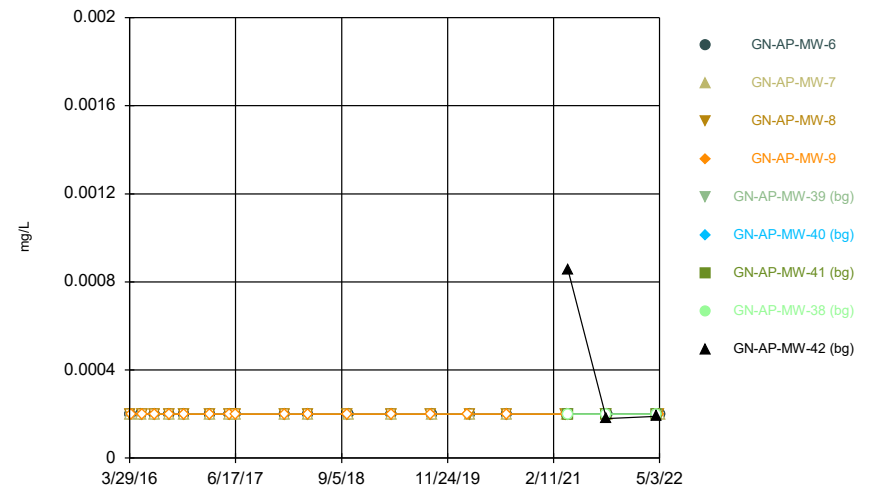
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



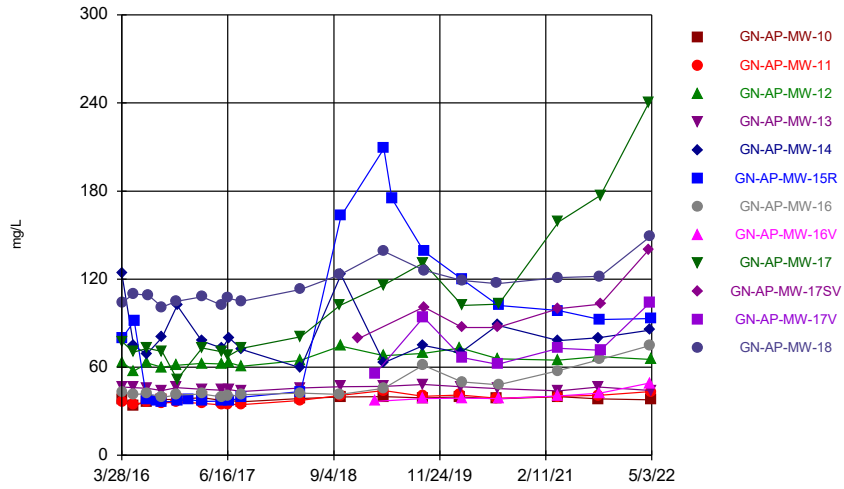
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



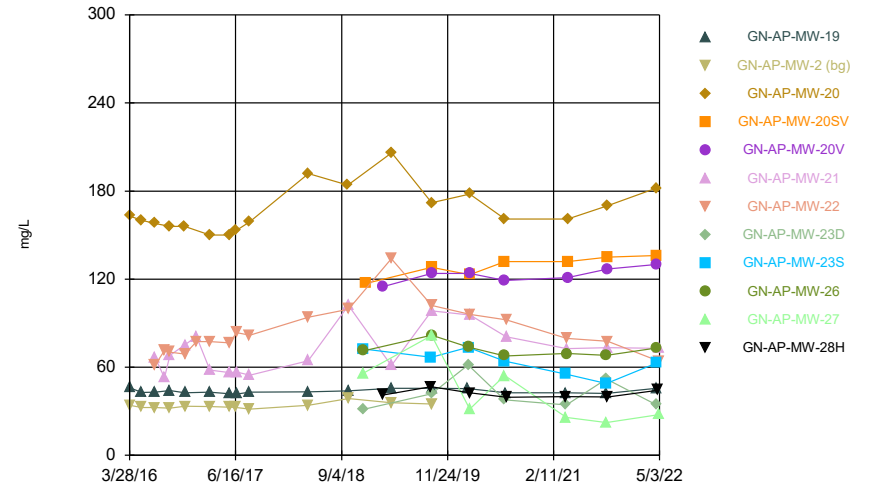
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



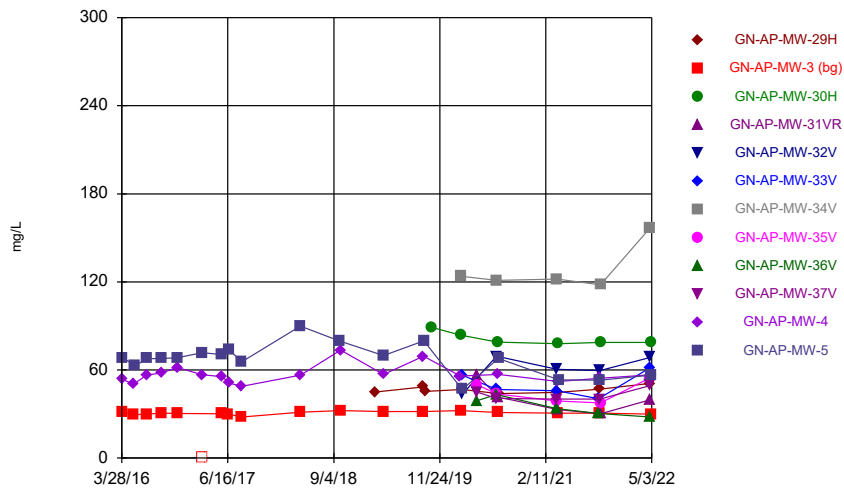
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



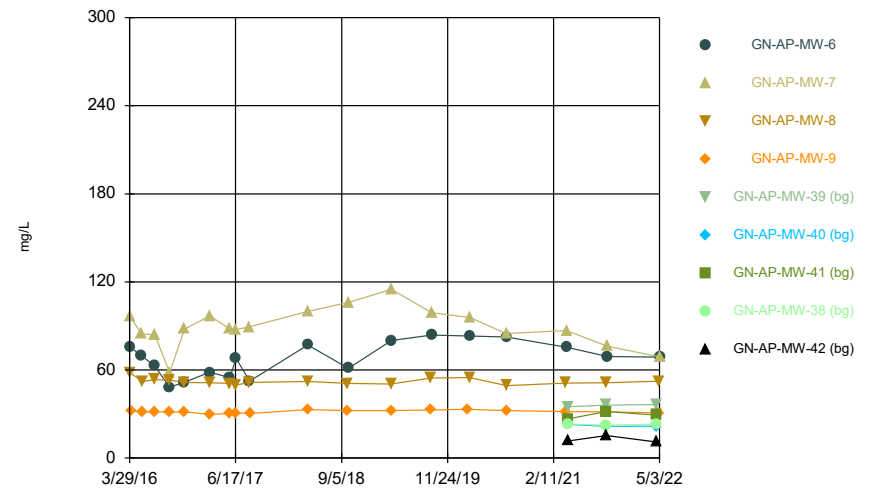
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



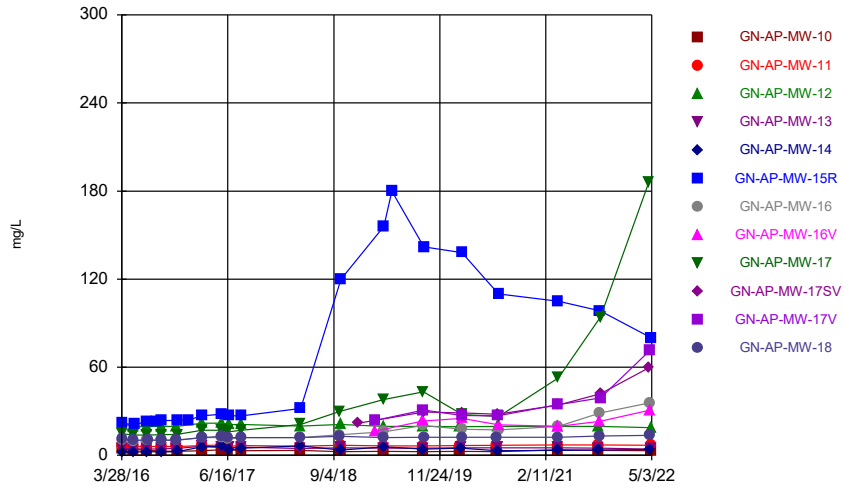
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



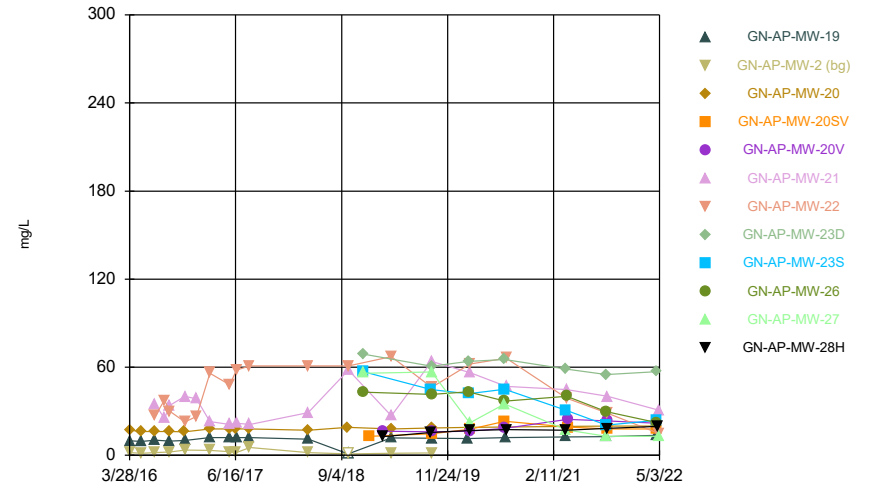
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



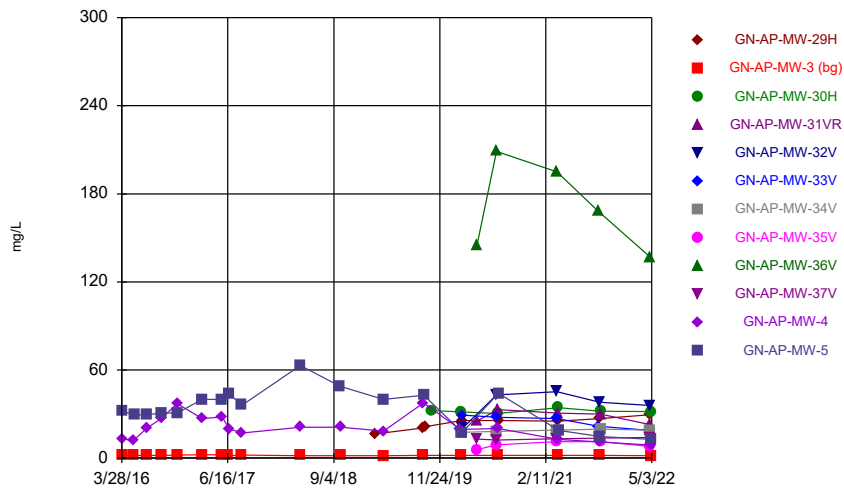
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



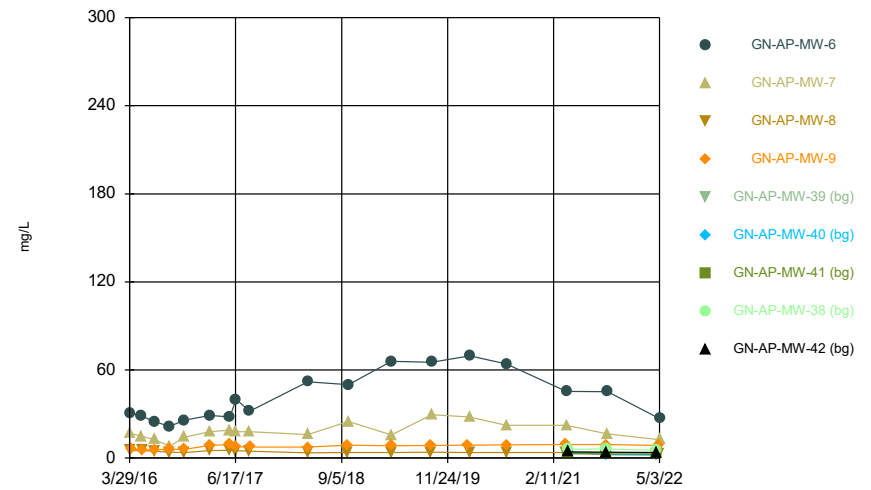
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



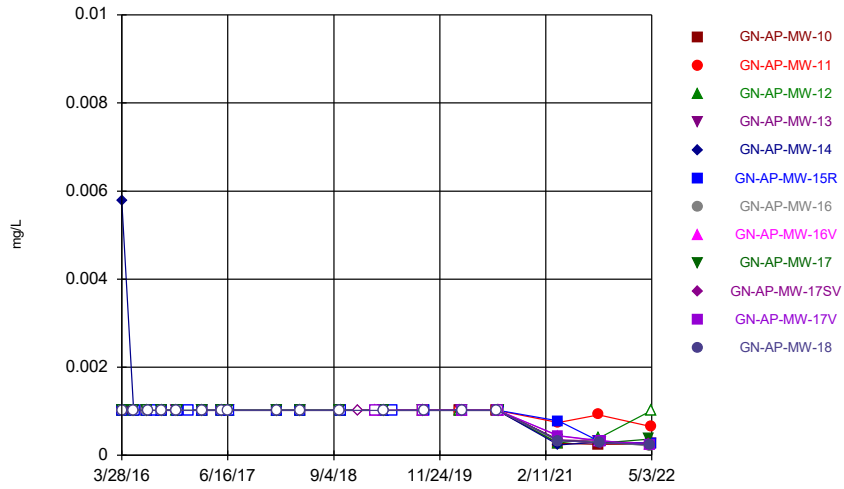
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



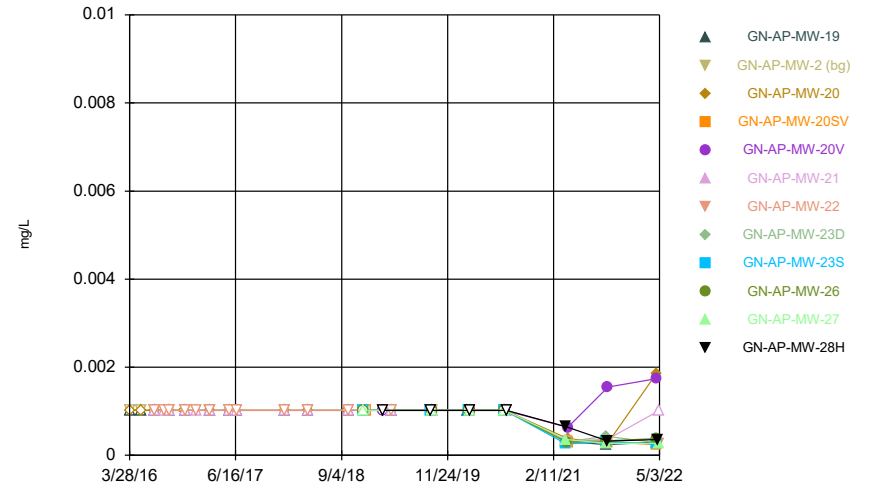
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



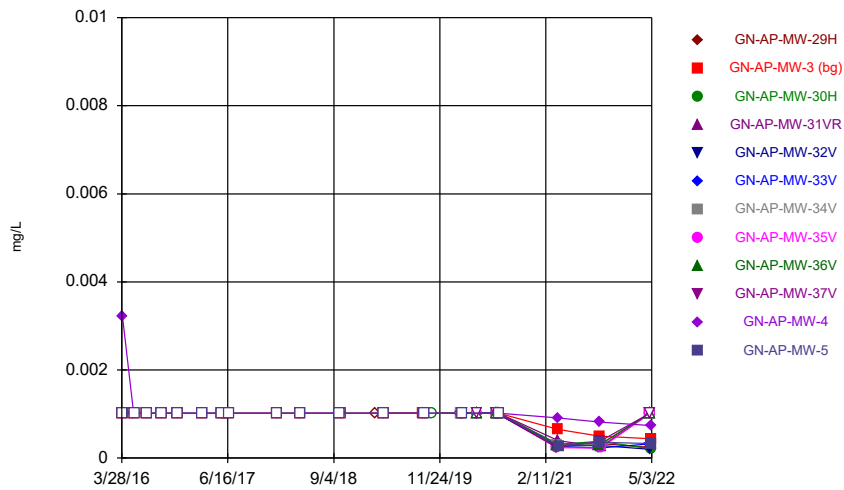
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



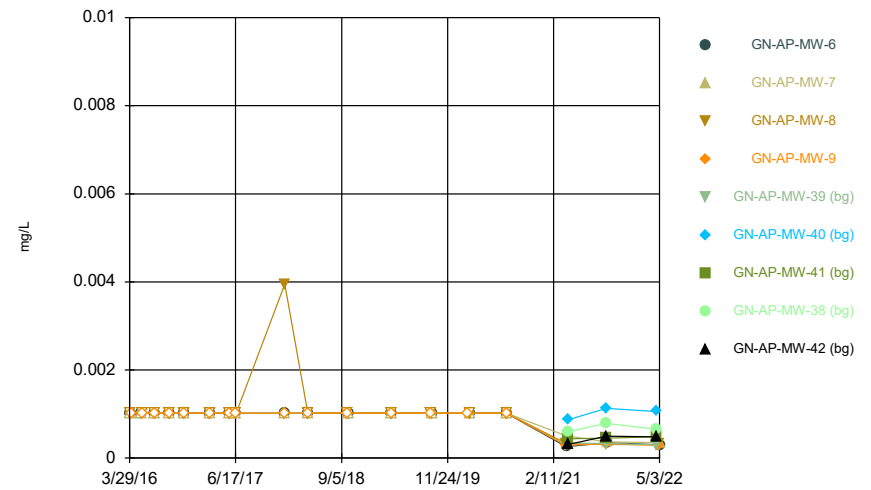
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



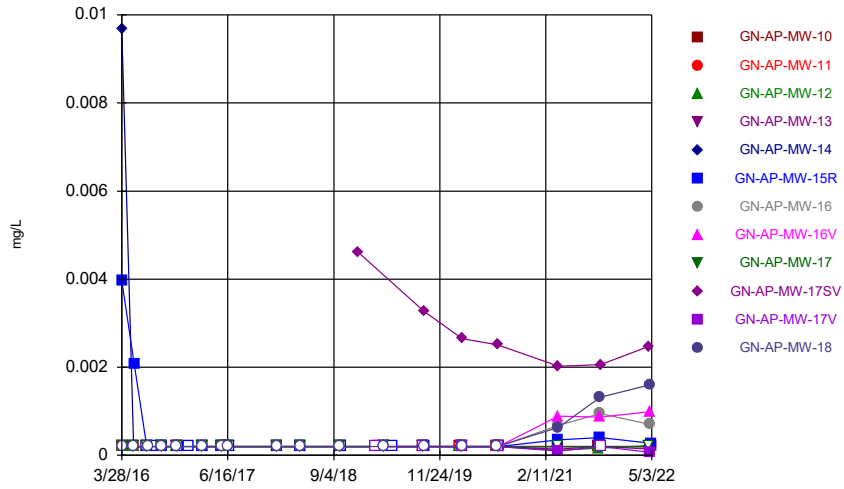
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Time Series



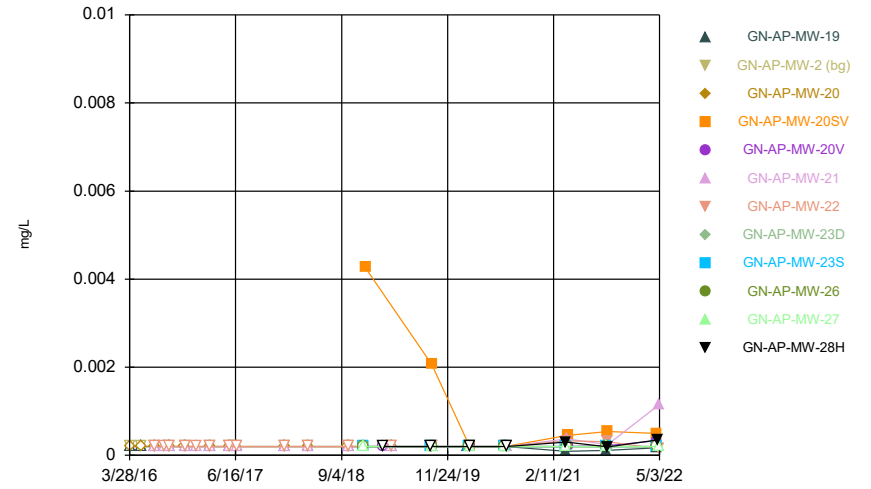
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



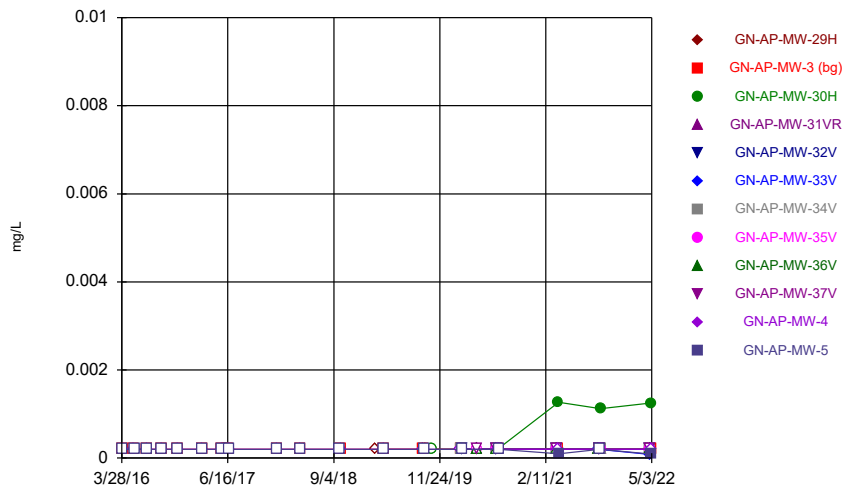
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



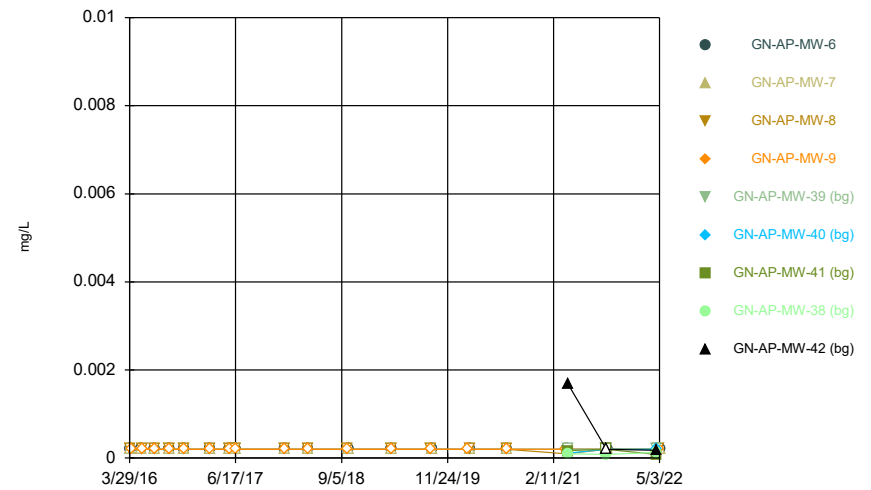
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



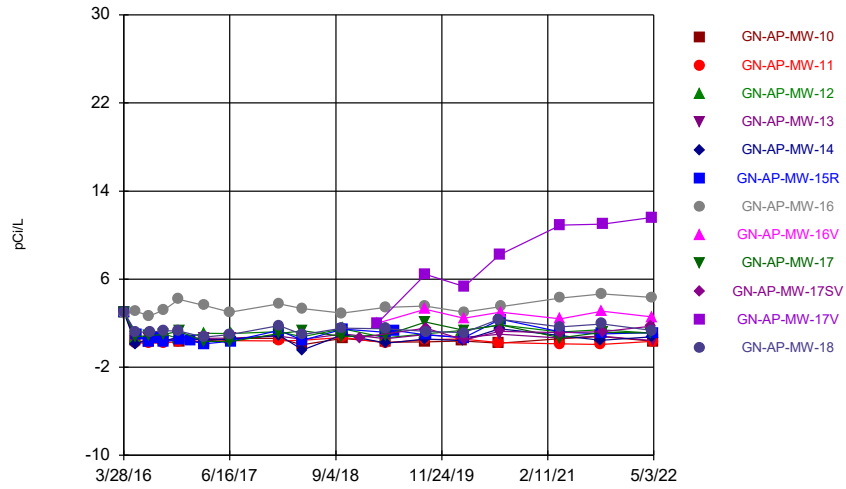
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



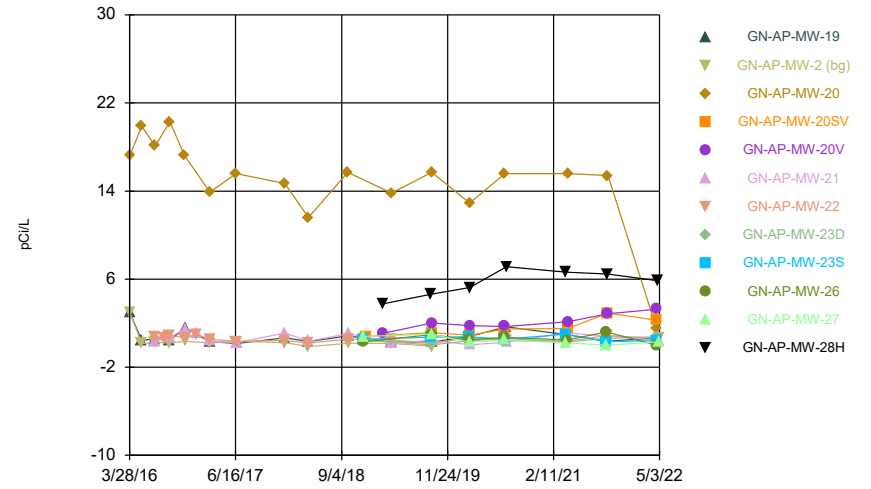
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



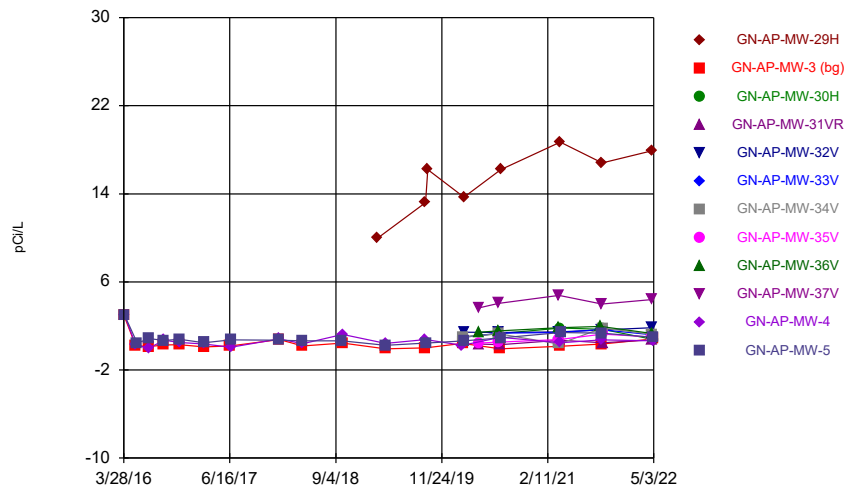
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



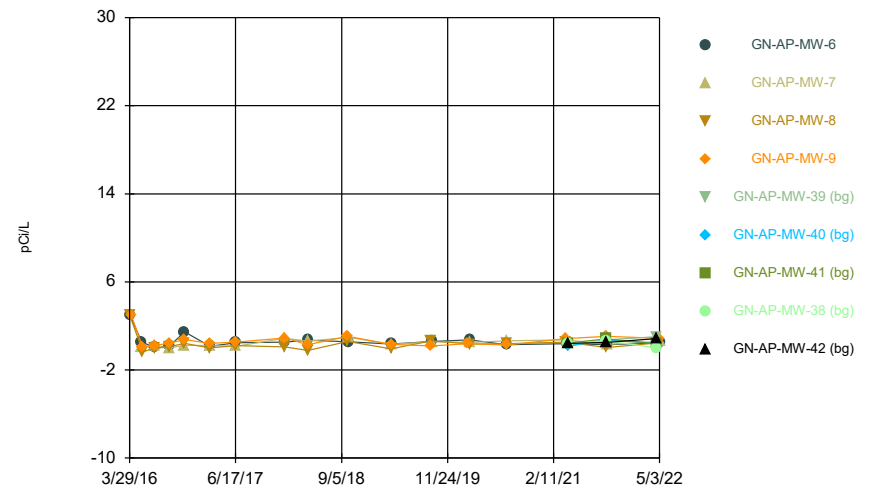
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



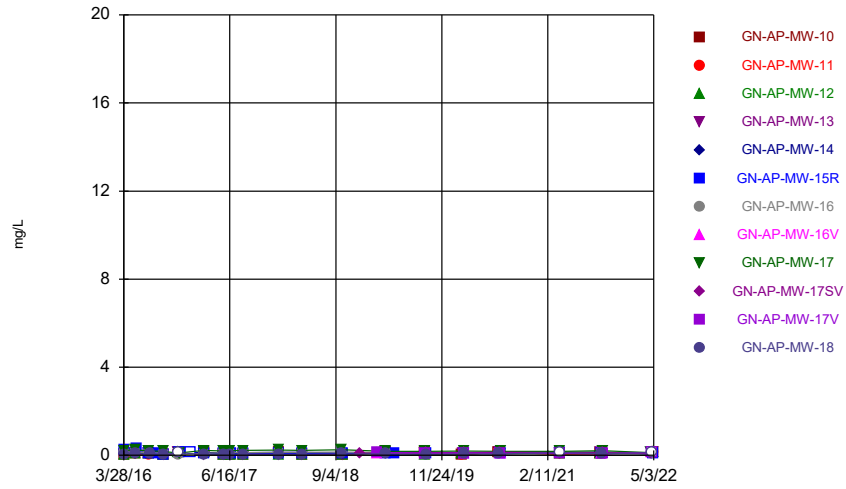
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



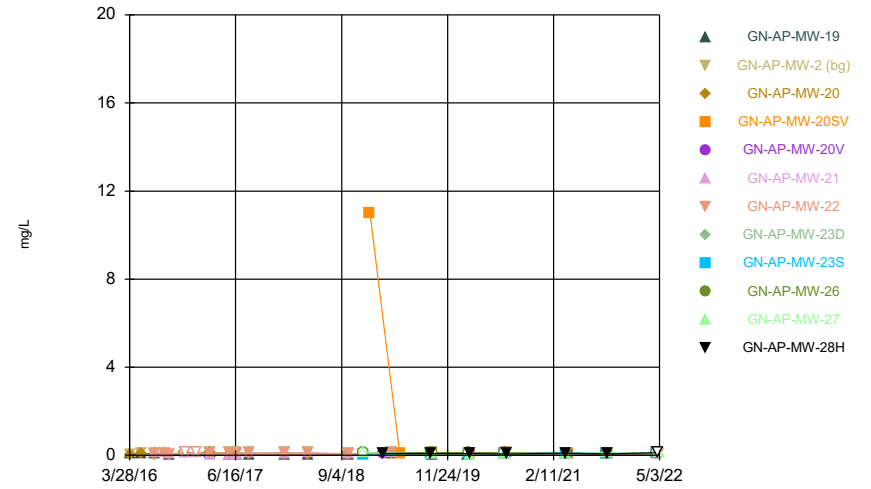
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



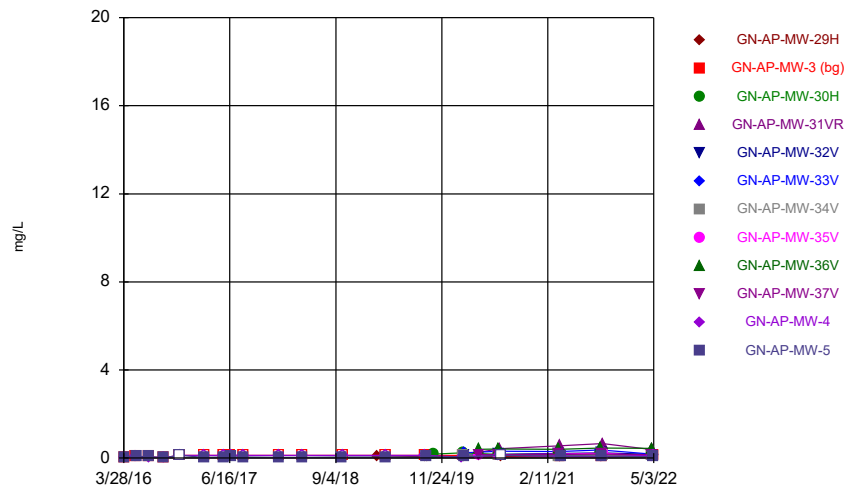
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



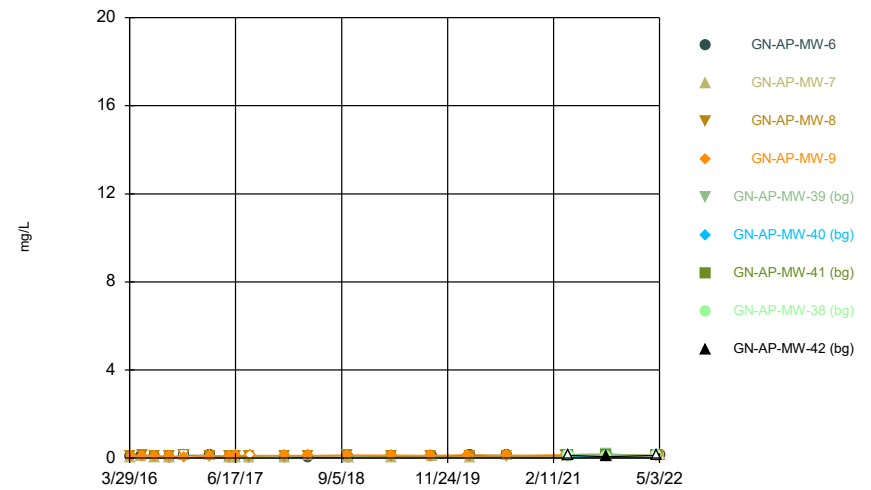
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



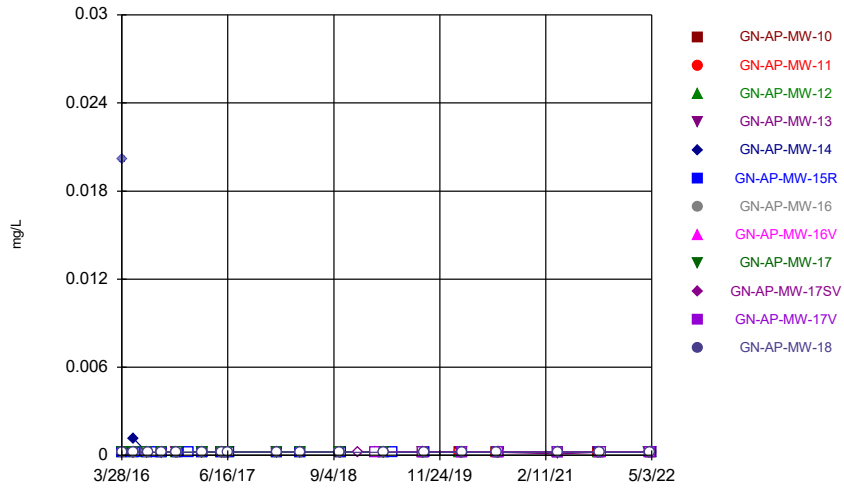
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Time Series



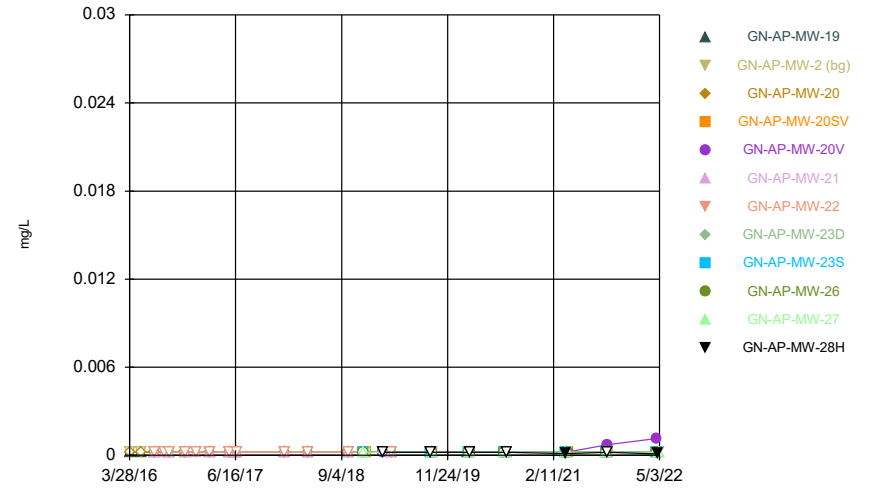
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



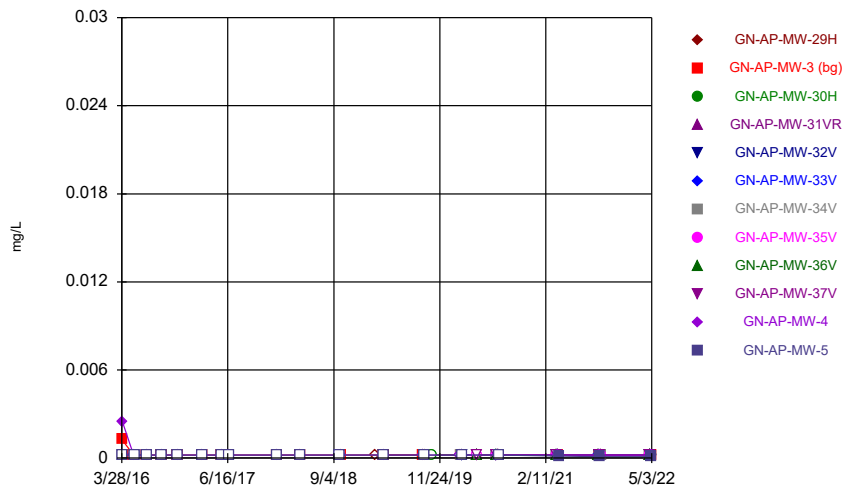
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



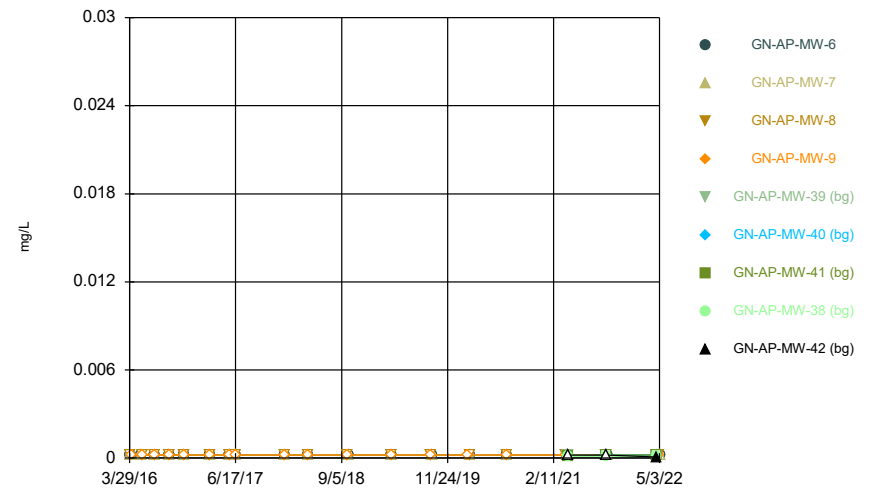
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



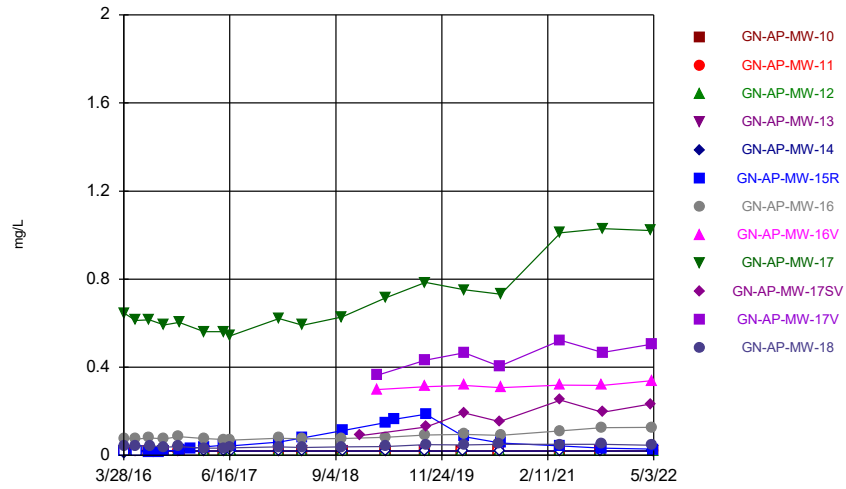
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Time Series



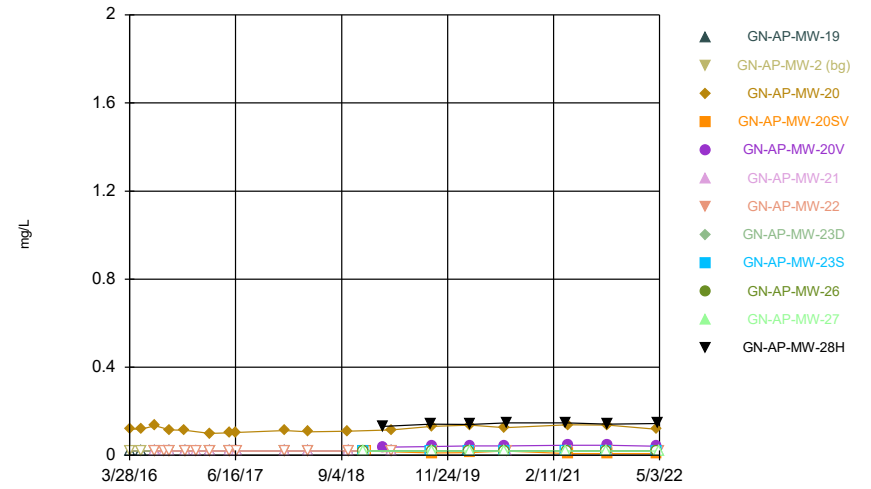
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Time Series



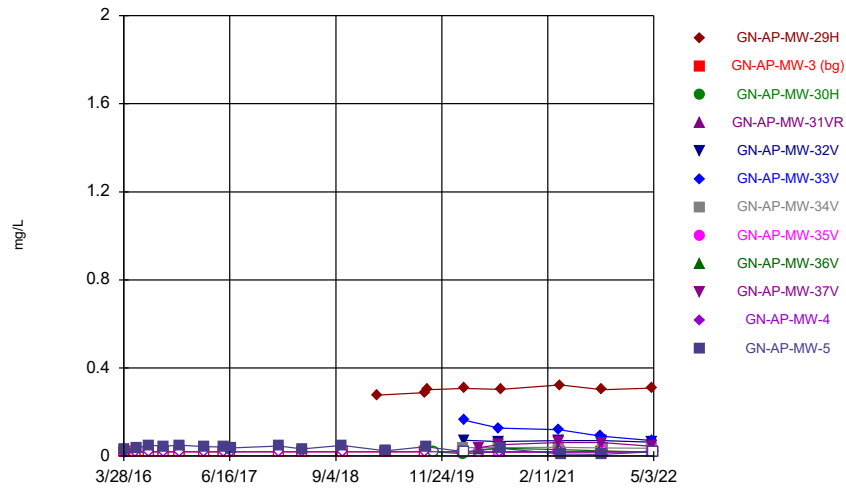
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



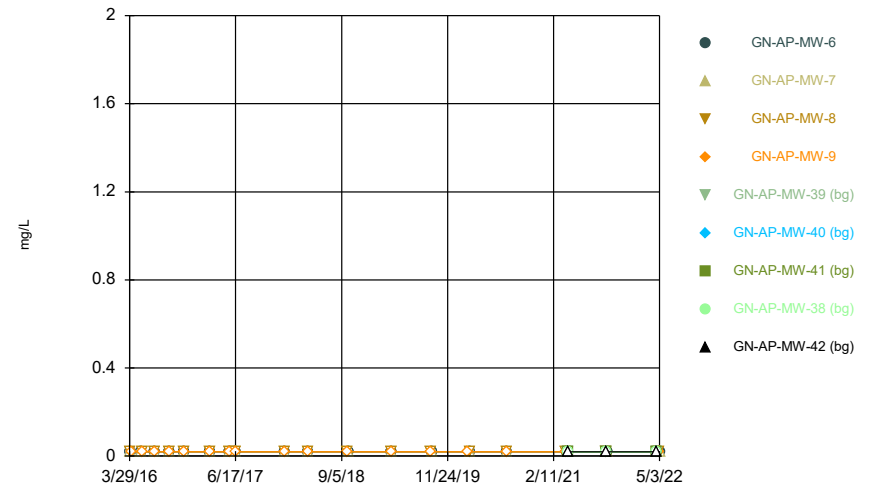
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



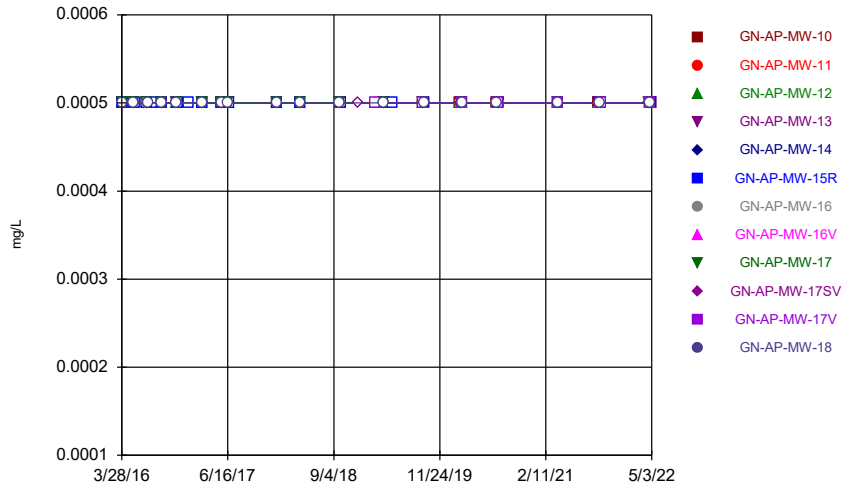
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



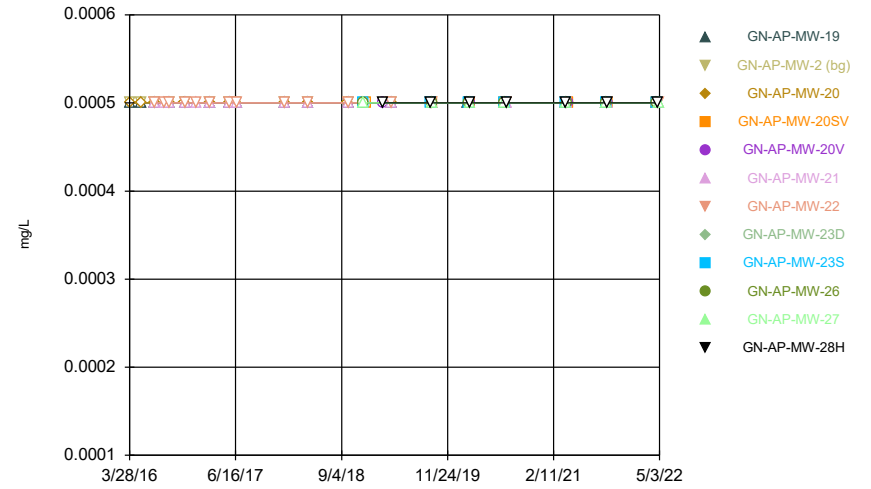
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



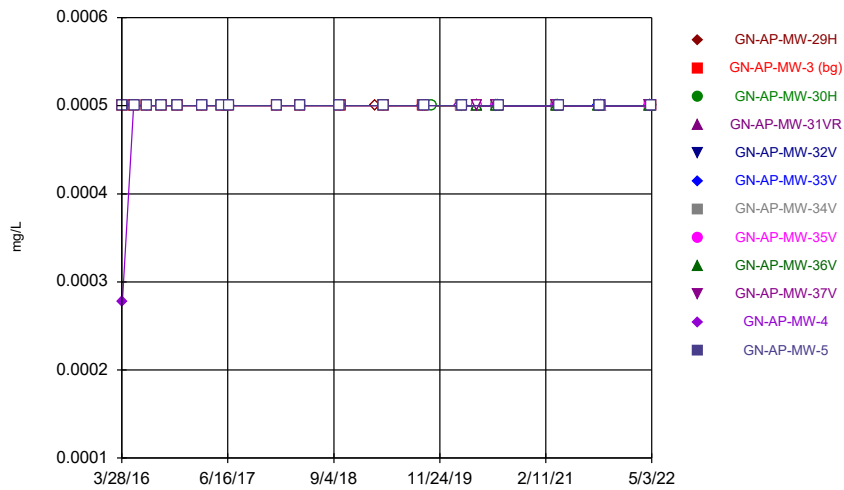
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



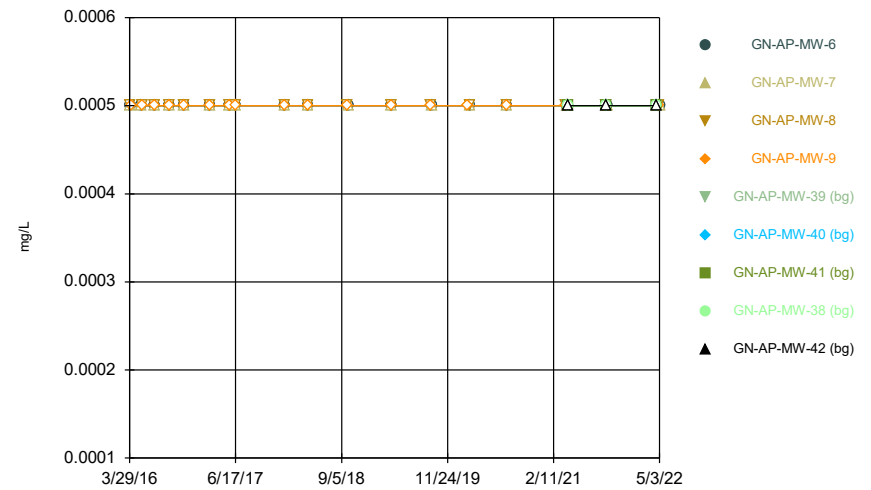
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



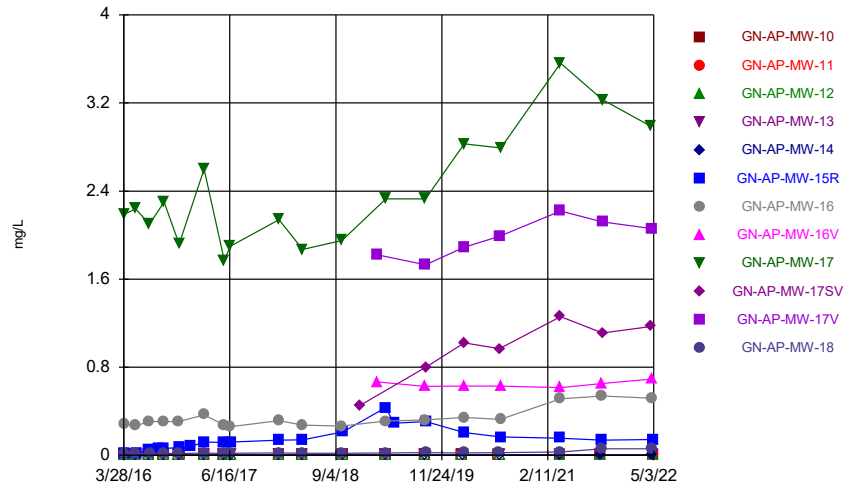
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



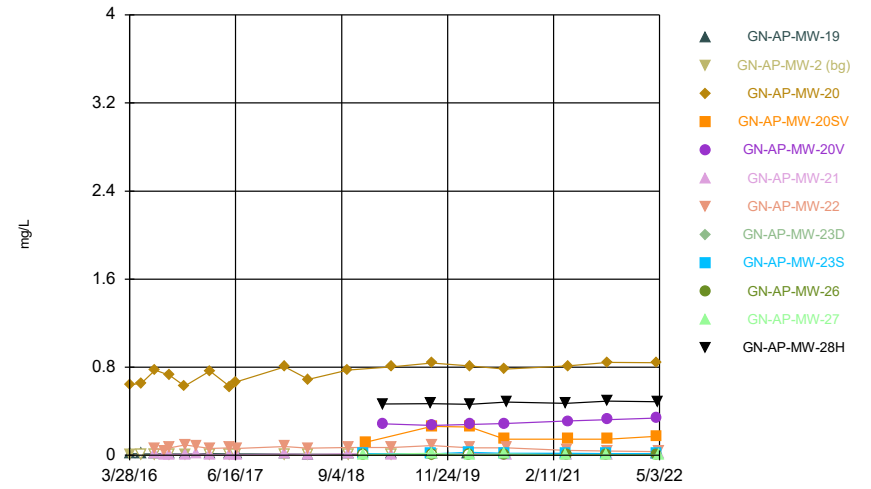
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



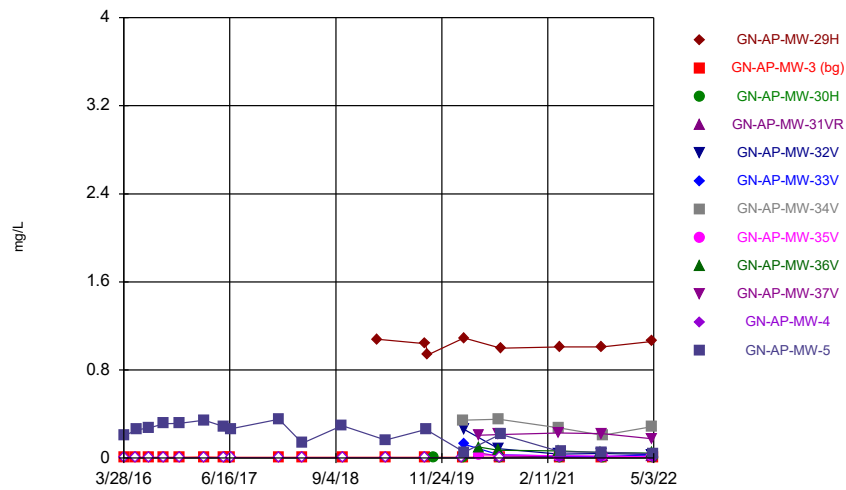
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



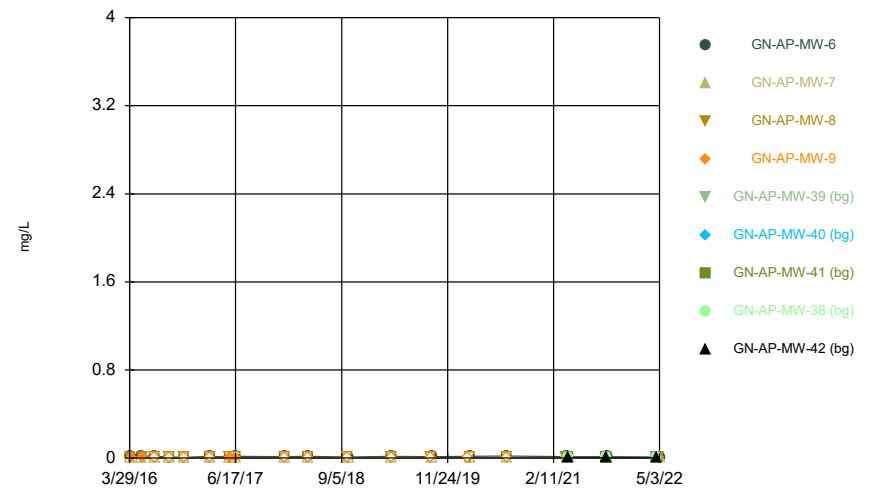
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



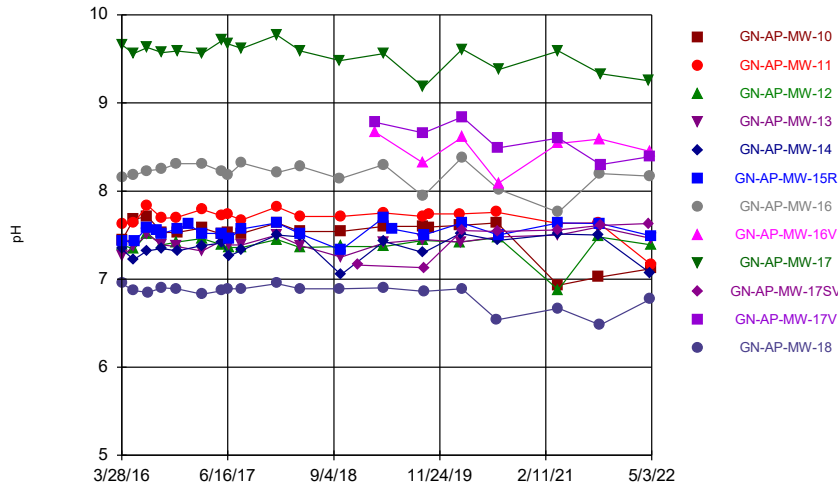
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



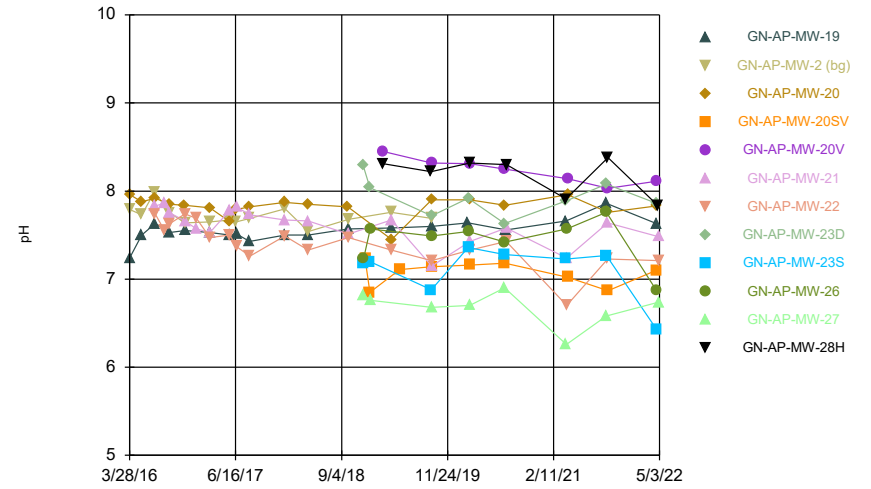
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



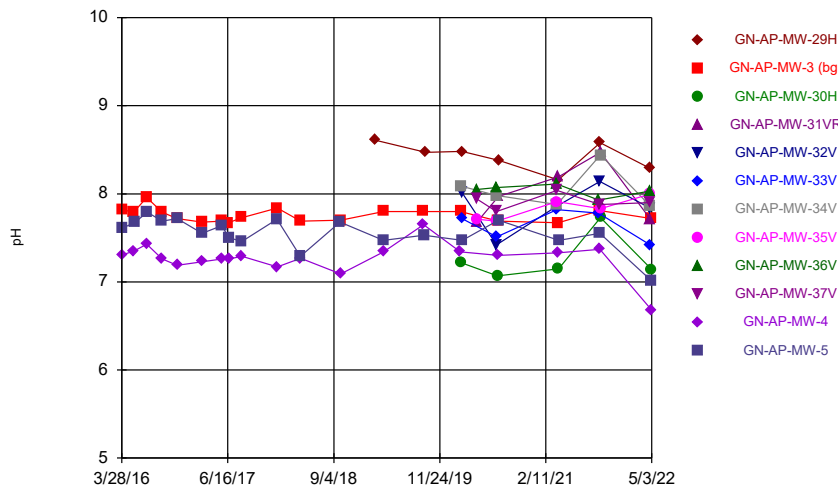
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



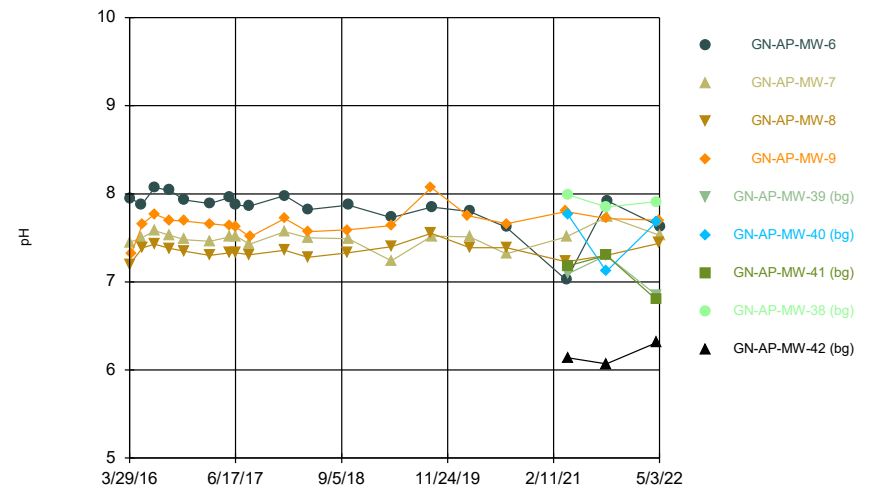
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



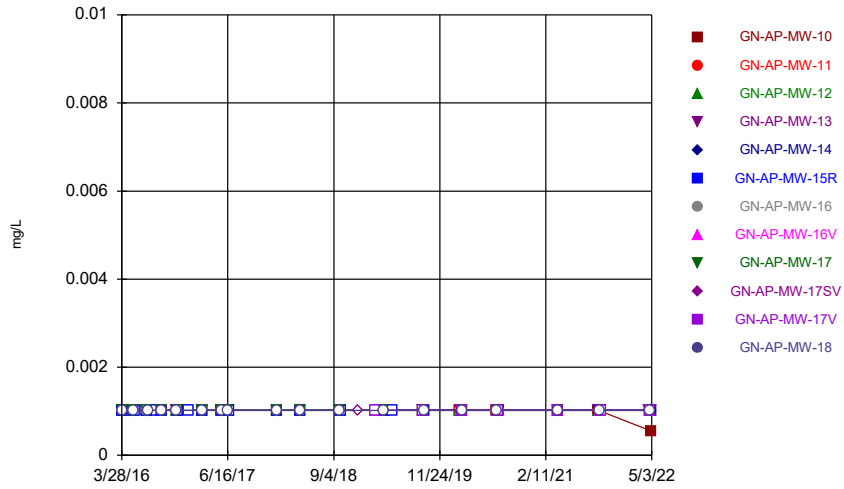
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



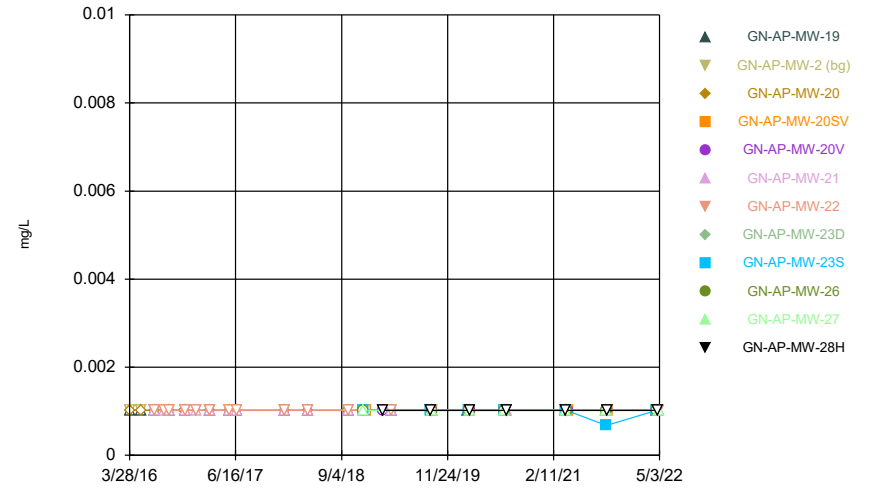
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



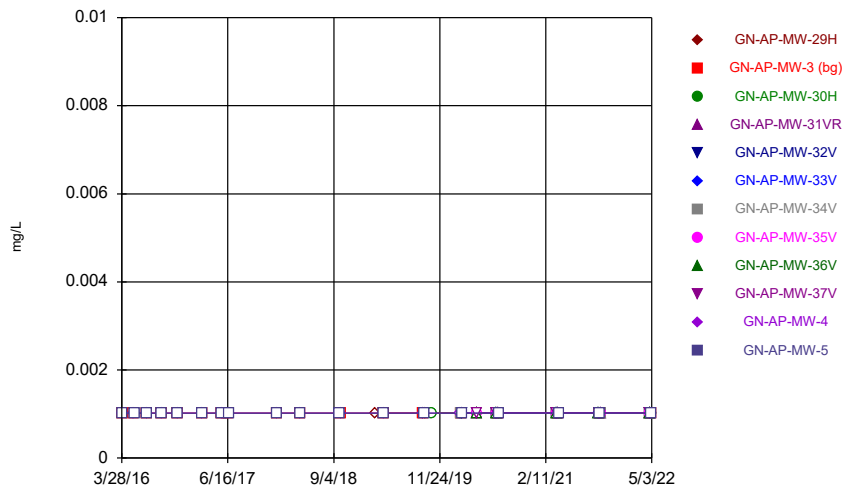
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



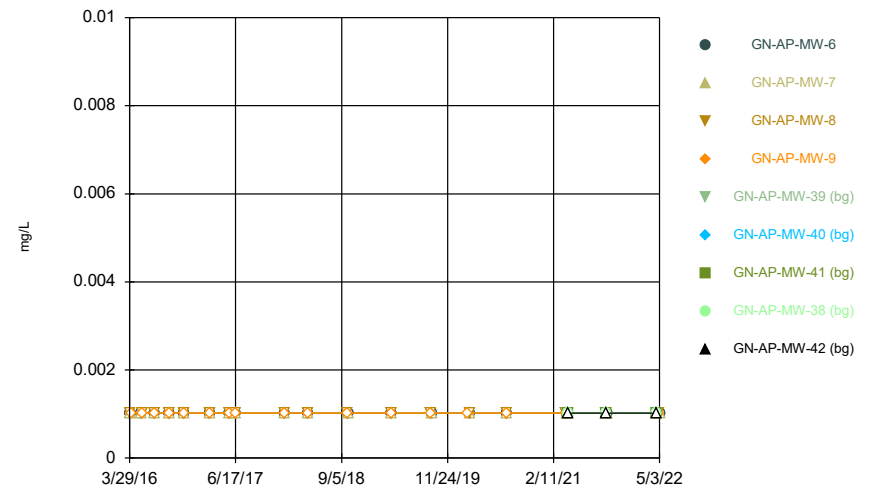
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



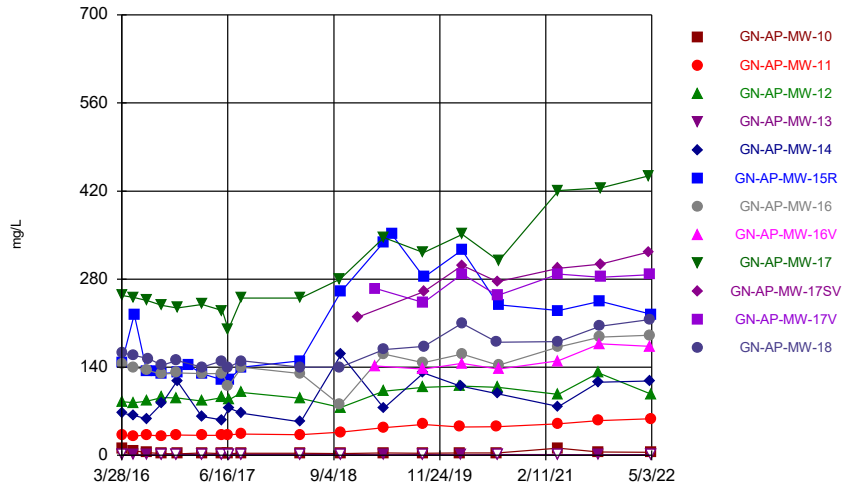
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



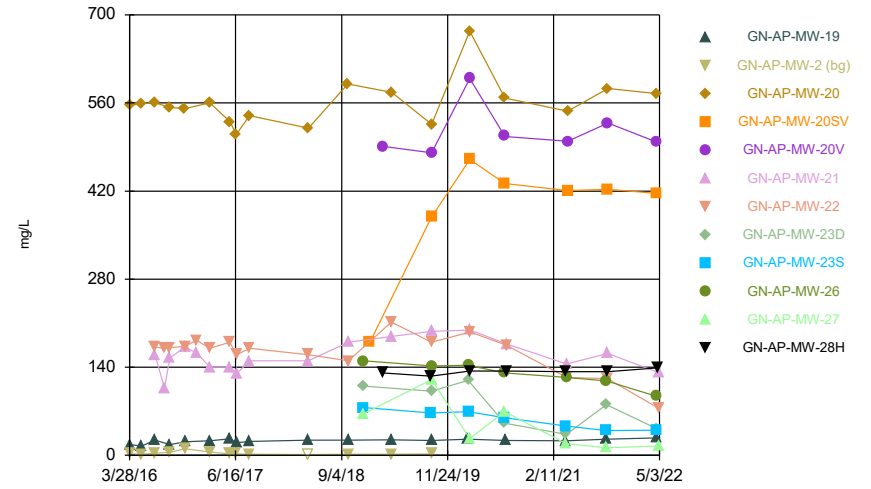
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



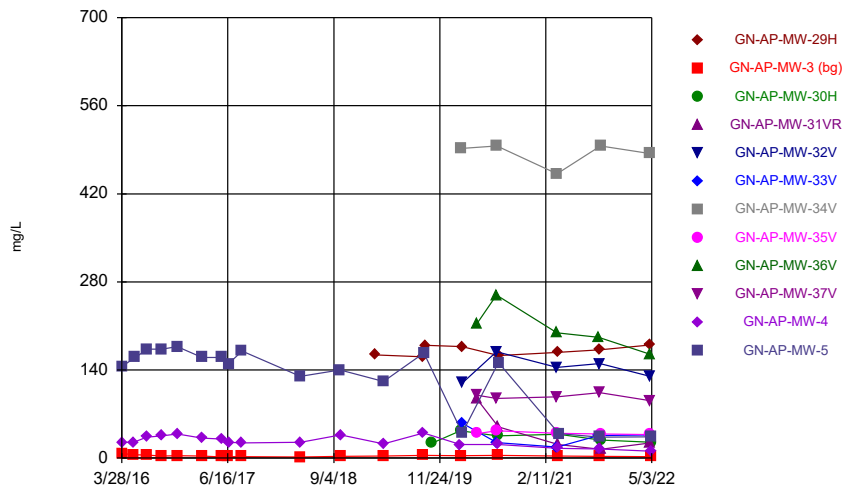
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



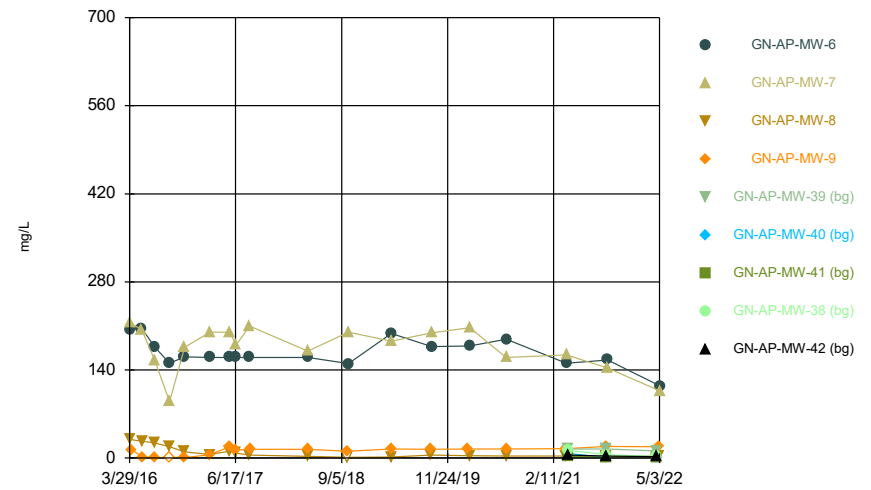
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Time Series



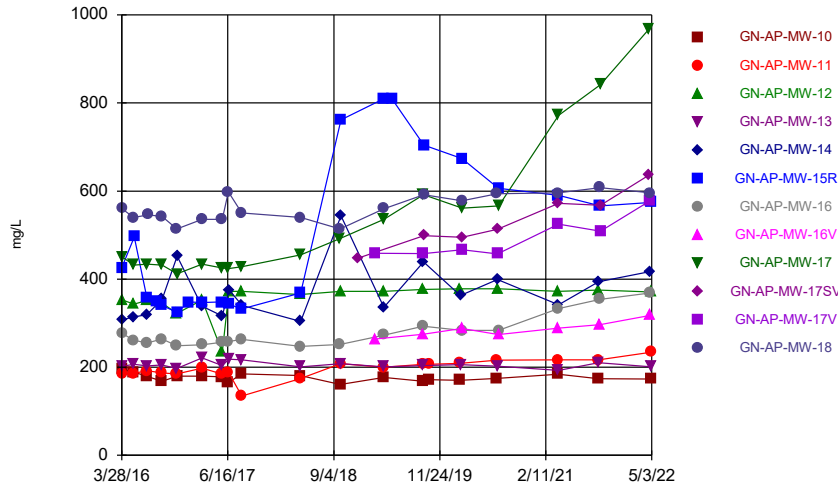
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



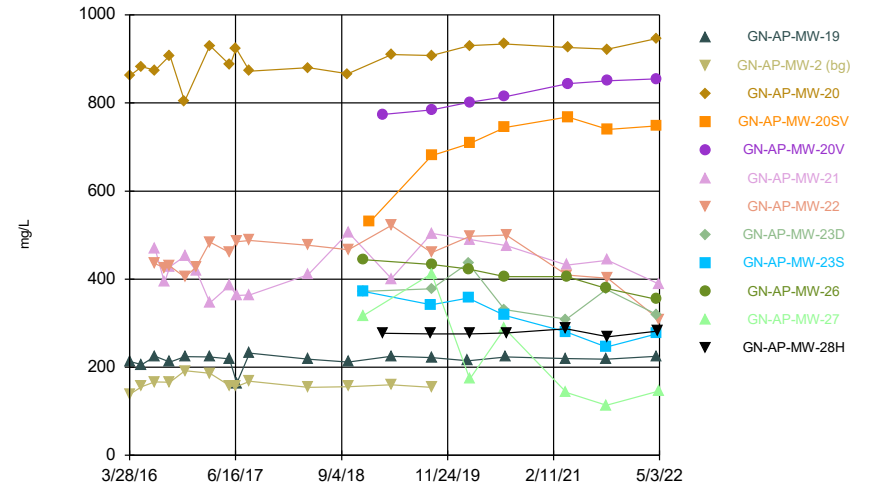
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



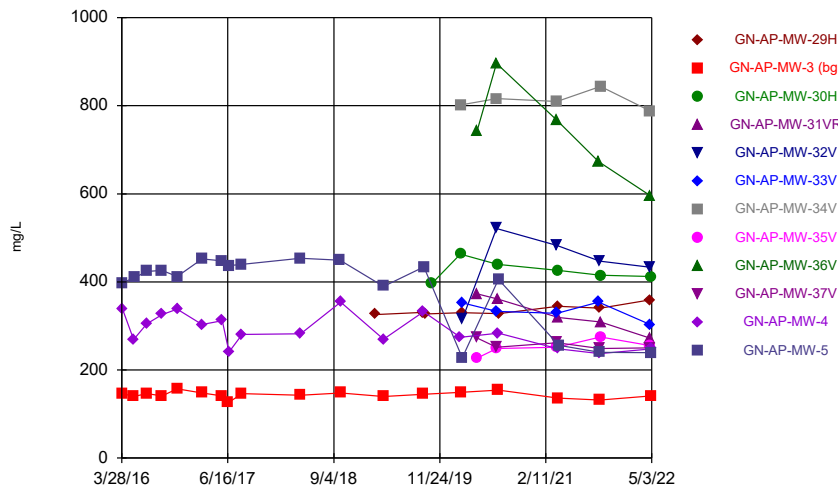
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Time Series



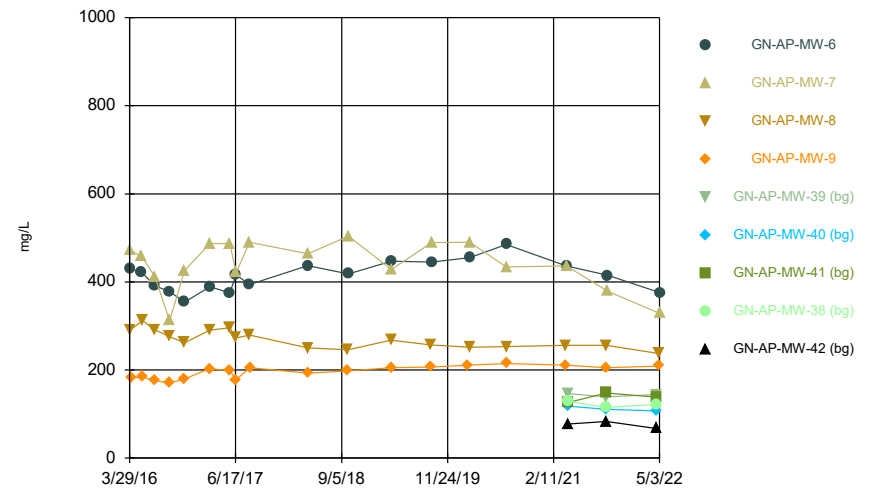
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Time Series



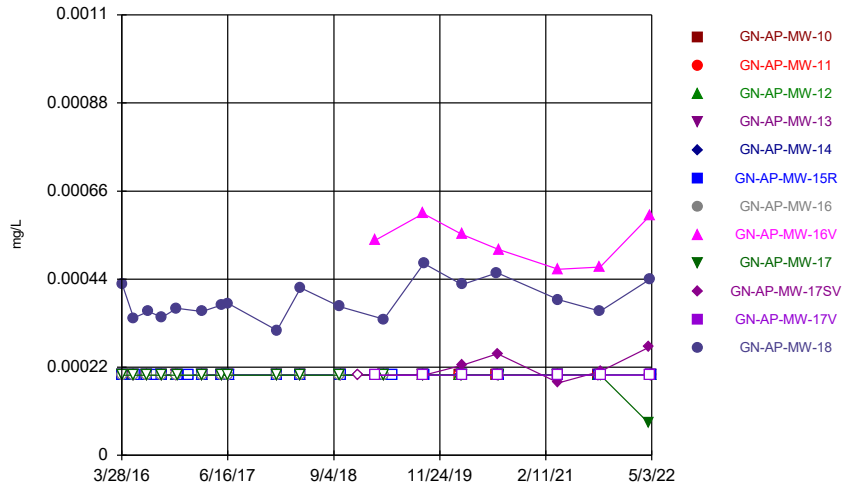
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Time Series



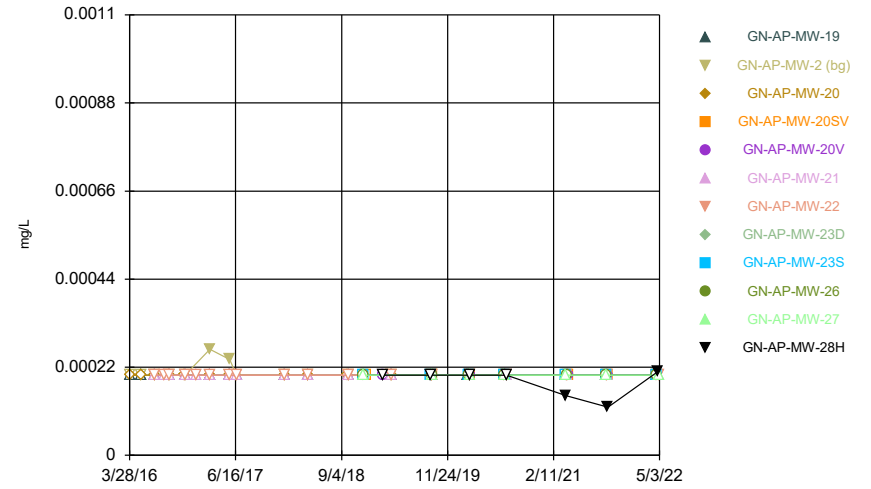
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Time Series



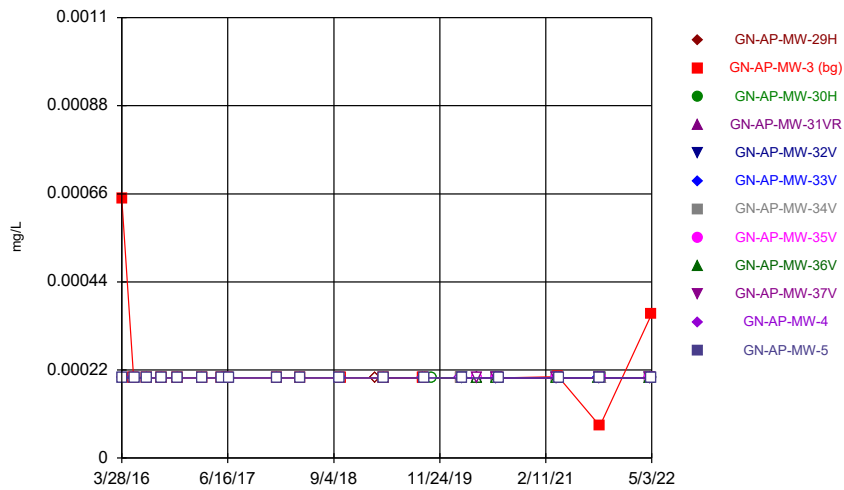
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



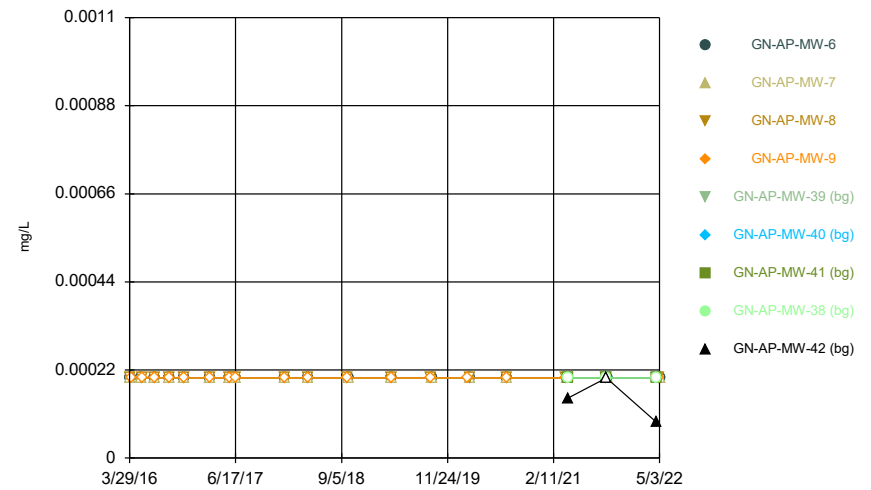
Constituent: Thallium Analysis Run 7/15/2022 2:24 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



Constituent: Thallium Analysis Run 7/15/2022 2:24 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



Constituent: Thallium Analysis Run 7/15/2022 2:24 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.000985 (J)	0.000862 (J)			
3/29/2016							0.000838 (J)		0.00107 (J)
3/30/2016	<0.00102	<0.00102	<0.00102	<0.00102					
5/17/2016	<0.00102				<0.00102		<0.00102		0.000869 (J)
5/18/2016		<0.00102	<0.00102	<0.00102					
5/19/2016						<0.00102			
7/11/2016					<0.00102	<0.00102			
7/13/2016	<0.00102	<0.00102	<0.00102						
7/14/2016				<0.00102			<0.00102		0.000882 (J)
7/18/2016									
8/22/2016						<0.00102			
9/12/2016			<0.00102	<0.00102					
9/13/2016	<0.00102	<0.00102			<0.00102		<0.00102		0.000807 (J)
9/14/2016						<0.00102			
11/14/2016		<0.00102	<0.00102	0.000748 (J)			<0.00102		
11/15/2016	<0.00102				<0.00102	<0.00102			
11/16/2016									0.000801 (J)
1/3/2017						<0.00102			
2/27/2017					0.00076 (J)	0.000947 (J)			
2/28/2017	0.000753 (J)	0.000823 (J)	0.000648 (J)	0.000755 (J)			0.000632 (J)		0.00129 (J)
5/22/2017	<0.00102	<0.00102				<0.00102			
5/24/2017			<0.00102	<0.00102	<0.00102		<0.00102		0.000774 (J)
6/19/2017	<0.00102	<0.00102					<0.00102		0.000792 (J)
6/20/2017						<0.00102			
6/21/2017			<0.00102	<0.00102	<0.00102				
1/9/2018		<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		0.000904 (J)
1/10/2018	<0.00102								
4/16/2018	<0.00102	<0.00102	<0.00102						
4/19/2018				<0.00102	<0.00102	<0.00102	<0.00102		0.000731 (J)
10/1/2018							<0.00102		<0.00102
10/2/2018	<0.00102								
10/4/2018		<0.00102	<0.00102						
10/5/2018				<0.00102	<0.00102	<0.00102			
12/17/2018									
2/25/2019								<0.00102	
2/27/2019									
4/3/2019	<0.00102	<0.00102	0.000871 (J)	<0.00102	0.000939 (J)	0.00113 (J)	<0.00102		0.00135 (J)
5/7/2019						0.000998 (J)			
9/16/2019	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	
9/17/2019				<0.00102	<0.00102				<0.00102
9/18/2019						<0.00102			
2/17/2020	<0.00102	<0.00102							
2/18/2020			<0.00102						
2/19/2020				<0.00102	<0.00102				
2/25/2020						<0.00102	<0.00102	<0.00102	
2/26/2020									<0.00102
7/22/2020	<0.00102	<0.00102							
7/23/2020					<0.00102				
7/27/2020			<0.00102	<0.00102					
7/28/2020						<0.00102	<0.00102	<0.00102	
7/29/2020									0.000845 (J)
4/5/2021	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.00102	<0.00102	<0.00102			0.000633 (J)
9/21/2021	<0.00102	<0.00102							
9/22/2021			<0.00102	<0.00102	<0.00102				
9/28/2021						<0.00102	<0.00102	<0.00102	
9/29/2021									<0.00102
4/20/2022									0.00068 (J)
4/26/2022									
4/27/2022					<0.00102		<0.00102	<0.00102	
5/2/2022	<0.00102	<0.00102		<0.00102		<0.00102			
5/3/2022			<0.00102						

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.00102
3/30/2016			
5/17/2016			<0.00102
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.00102
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.00102
11/14/2016			<0.00102
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.000728 (J)
5/22/2017			
5/24/2017			<0.00102
6/19/2017			<0.00102
6/20/2017			
6/21/2017			
1/9/2018			<0.00102
1/10/2018			
4/16/2018			
4/19/2018			<0.00102
10/1/2018			<0.00102
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.00102		
2/25/2019			
2/27/2019		<0.00102	
4/3/2019			<0.00102
5/7/2019			
9/16/2019			
9/17/2019		<0.00102	
9/18/2019	<0.00102		<0.00102
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.00102
2/26/2020	<0.00102	<0.00102	
7/22/2020			<0.00102
7/23/2020	<0.00102	<0.00102	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.00102	<0.00102	<0.00102
9/21/2021			
9/22/2021			
9/28/2021			<0.00102
9/29/2021	<0.00102	<0.00102	
4/20/2022	<0.00102		
4/26/2022		<0.00102	<0.00102
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.00102	<0.00102							
3/29/2016			<0.00102						
5/18/2016	<0.00102	<0.00102	<0.00102						
7/11/2016		<0.00102							
7/13/2016	<0.00102		<0.00102			<0.00102			
7/14/2016							<0.00102		
8/22/2016						<0.00102	<0.00102		
9/13/2016	<0.00102					<0.00102	<0.00102		
9/14/2016		<0.00102	<0.00102						
11/14/2016			<0.00102						
11/15/2016						<0.00102	<0.00102		
11/16/2016	<0.00102	<0.00102							
1/3/2017						<0.00102	<0.00102		
2/27/2017	<0.00102								
2/28/2017			0.000643 (J)						
3/1/2017		0.00062 (J)				<0.00102	0.000678 (J)		
5/22/2017	<0.00102								
5/23/2017		<0.00102				<0.00102	<0.00102		
5/24/2017			<0.00102						
6/19/2017		<0.00102	<0.00102						
6/20/2017						<0.00102	<0.00102		
6/21/2017	<0.00102								
1/9/2018			<0.00102					<0.00102	
1/10/2018	<0.00102	<0.00102				<0.00102			
4/17/2018						<0.00102	<0.00102		
4/19/2018	<0.00102	<0.00102	<0.00102						
10/1/2018			<0.00102						
10/2/2018	<0.00102								
10/3/2018		<0.00102							
10/4/2018						<0.00102	<0.00102		
12/5/2018								<0.00102	<0.00102
12/6/2018									
12/13/2018				0.000904 (J)					
2/26/2019									
2/27/2019					<0.00102				
4/1/2019	0.00123 (J)	0.000946 (J)							
4/2/2019						<0.00102	<0.00102		
4/3/2019			<0.00102						
9/16/2019									
9/17/2019									<0.00102
9/18/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	0.000804 (J)	
2/18/2020	<0.00102								
2/19/2020								<0.00102	<0.00102
2/25/2020			<0.00102	<0.00102	<0.00102				
2/26/2020						<0.00102	<0.00102		
7/21/2020								<0.00102	<0.00102
7/22/2020			<0.00102	<0.00102	<0.00102				
7/27/2020	<0.00102								
7/28/2020						<0.00102	<0.00102		
7/29/2020									
4/5/2021	<0.00102								
4/6/2021								<0.00102	<0.00102

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.00102	<0.00102		
4/12/2021			<0.00102	<0.00102	<0.00102				
9/21/2021								<0.00102	<0.00102
9/22/2021	<0.00102								
9/27/2021						<0.00102	<0.00102		
9/28/2021			<0.00102	<0.00102	<0.00102				
4/19/2022	<0.00102				<0.00102				
4/20/2022			<0.00102	<0.00102				<0.00102	<0.00102
4/27/2022									
5/2/2022									
5/3/2022						<0.00102	<0.00102		

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.00102	
12/6/2018	<0.00102		
12/13/2018			
2/26/2019			<0.00102
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.00102
9/17/2019			
9/18/2019	<0.00102	<0.00102	
2/18/2020			
2/19/2020	<0.00102		
2/25/2020		<0.00102	<0.00102
2/26/2020			
7/21/2020		<0.00102	
7/22/2020	<0.00102		
7/27/2020			
7/28/2020			
7/29/2020			<0.00102
4/5/2021			<0.00102
4/6/2021		<0.00102	

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.00102		
4/12/2021			
9/21/2021		<0.00102	
9/22/2021	<0.00102		
9/27/2021			
9/28/2021			<0.00102
4/19/2022			
4/20/2022	<0.00102		
4/27/2022			<0.00102
5/2/2022		<0.00102	
5/3/2022			

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.00102							
3/30/2016									
5/17/2016		<0.00102							
5/23/2016									
7/11/2016		<0.00102							
7/14/2016									
9/13/2016									
9/14/2016		<0.00102							
11/15/2016									
11/16/2016		<0.00102							
2/28/2017									
3/1/2017		0.000613 (J)							
5/23/2017		<0.00102							
5/24/2017									
6/19/2017		<0.00102							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.00102							
4/17/2018									
4/19/2018		<0.00102							
10/1/2018									
10/3/2018		<0.00102							
2/26/2019	<0.00102								
4/2/2019		<0.00102							
9/17/2019	<0.00102	<0.00102							
9/18/2019									
9/26/2019	<0.00102								
10/22/2019			<0.00102						
2/18/2020									
2/19/2020		<0.00102	<0.00102				<0.00102		
2/25/2020	<0.00102					<0.00102			
2/26/2020					<0.00102				
4/29/2020				<0.00102				<0.00102	<0.00102
7/20/2020					<0.00102				<0.00102
7/21/2020						<0.00102	<0.00102	<0.00102	
7/23/2020			<0.00102						
7/27/2020		<0.00102		<0.00102					
7/28/2020									
7/29/2020	<0.00102								
3/30/2021					<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
4/5/2021	<0.00102	<0.00102		<0.00102					
4/6/2021			<0.00102						
4/7/2021									
9/22/2021						<0.00102			<0.00102
9/27/2021		<0.00102			<0.00102				
9/28/2021	<0.00102								
9/29/2021			<0.00102	<0.00102			<0.00102	<0.00102	
4/26/2022	<0.00102				<0.00102	<0.00102			<0.00102
4/27/2022				<0.00102			<0.00102	<0.00102	
5/2/2022			<0.00102						
5/3/2022		<0.00102							

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.00102	<0.00102
5/17/2016		<0.00102	
5/23/2016			<0.00102
7/11/2016		<0.00102	
7/14/2016			<0.00102
9/13/2016			<0.00102
9/14/2016		<0.00102	
11/15/2016			<0.00102
11/16/2016		<0.00102	
2/28/2017		<0.00102	
3/1/2017			0.000689 (J)
5/23/2017			<0.00102
5/24/2017		<0.00102	
6/19/2017			
6/20/2017			<0.00102
6/21/2017		<0.00102	
1/9/2018			<0.00102
1/10/2018		<0.00102	
4/17/2018			<0.00102
4/19/2018		<0.00102	
10/1/2018			<0.00102
10/3/2018		<0.00102	
2/26/2019			
4/2/2019		<0.00102	<0.00102
9/17/2019		<0.00102	
9/18/2019			<0.00102
9/26/2019			
10/22/2019			
2/18/2020		<0.00102	
2/19/2020			
2/25/2020			
2/26/2020			<0.00102
4/29/2020	<0.00102		
7/20/2020	<0.00102		
7/21/2020			
7/23/2020			
7/27/2020		<0.00102	
7/28/2020			<0.00102
7/29/2020			
3/30/2021	<0.00102		
4/5/2021		<0.00102	
4/6/2021			
4/7/2021			<0.00102
9/22/2021			
9/27/2021	<0.00102	<0.00102	<0.00102
9/28/2021			
9/29/2021			
4/26/2022	<0.00102		
4/27/2022			
5/2/2022		<0.00102	
5/3/2022			<0.00102

Time Series

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			0.00238 (J)						
3/30/2016	<0.00102	<0.00102							
4/4/2016				<0.00102					
5/19/2016	<0.00102	<0.00102							
5/23/2016			<0.00102	<0.00102					
7/12/2016			<0.00102	<0.00102					
7/13/2016	<0.00102	<0.00102							
9/13/2016	<0.00102	<0.00102	<0.00102	<0.00102					
11/15/2016	<0.00102	<0.00102	<0.00102	<0.00102					
2/28/2017			0.000718 (J)	0.000662 (J)					
3/1/2017	<0.00102	<0.00102							
5/23/2017	<0.00102	<0.00102							
5/24/2017			<0.00102	<0.00102					
6/20/2017	<0.00102	<0.00102	<0.00102	<0.00102					
1/10/2018	<0.00102	<0.00102	<0.00102	<0.00102					
4/17/2018	<0.00102	<0.00102	<0.00102	<0.00102					
10/1/2018			<0.00102	<0.00102					
10/4/2018	<0.00102	<0.00102							
4/1/2019			<0.00102	<0.00102					
4/2/2019	0.000819 (J)	0.00089 (J)							
9/17/2019			<0.00102	<0.00102					
9/18/2019	<0.00102	<0.00102							
2/17/2020				<0.00102					
2/25/2020			<0.00102						
2/26/2020	<0.00102	<0.00102							
7/28/2020	<0.00102	<0.00102							
7/29/2020			<0.00102	<0.00102					
4/5/2021				<0.00102					
4/6/2021			<0.00102						
4/7/2021	<0.00102	<0.00102							
4/12/2021					<0.00102	<0.00102	<0.00102	<0.00102	
4/13/2021									<0.00102
9/21/2021			<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
9/27/2021	<0.00102	<0.00102							
4/19/2022					<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
5/2/2022			<0.00102	<0.00102					
5/3/2022	<0.00102	<0.00102							

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0048 (J)	0.00122 (J)			
3/29/2016							0.00385 (J)		0.0125
3/30/2016	0.00105 (J)	<0.0002	0.00148 (J)	<0.0002					
5/17/2016	<0.0002				0.0016 (J)		0.00337 (J)		0.0112
5/18/2016		<0.0002	0.00194 (J)	<0.0002					
5/19/2016						0.0015 (J)			
7/11/2016					0.00112 (J)	<0.0002			
7/13/2016	<0.0002	<0.0002	0.0021 (J)						
7/14/2016				<0.0002			0.00407 (J)		0.013
7/18/2016									
8/22/2016						<0.0002			
9/12/2016			0.00456 (J)	<0.0002					
9/13/2016	<0.0002	<0.0002			<0.0002		0.00394 (J)		0.0124
9/14/2016						<0.0002			
11/14/2016		<0.0002	0.00241 (J)	<0.0002			0.0037 (J)		
11/15/2016	<0.0002				<0.0002	<0.0002			
11/16/2016									0.0121
1/3/2017						<0.0002			
2/27/2017					<0.0002	<0.0002			
2/28/2017	<0.0002	<0.0002	0.0022 (J)	<0.0002			0.00409 (J)		0.0127
5/22/2017	<0.0002	<0.0002				<0.0002			
5/24/2017			0.00564	<0.0002	<0.0002		0.00419 (J)		0.0121
6/19/2017	<0.0002	<0.0002					0.00424 (J)		0.0129
6/20/2017						<0.0002			
6/21/2017			0.00257 (J)	<0.0002	<0.0002				
1/9/2018		<0.0002	0.00886	<0.0002	<0.0002	<0.0002	0.00505		0.0138
1/10/2018	<0.0002								
4/16/2018	<0.0002	<0.0002	0.00754						
4/19/2018				<0.0002	0.00113 (J)	<0.0002	0.00484 (J)		0.0125
10/1/2018							0.00466 (J)		0.0118
10/2/2018	<0.0002								
10/4/2018		<0.0002	0.0081						
10/5/2018				<0.0002	<0.0002	0.0015 (J)			
12/17/2018									
2/25/2019								0.00105 (J)	
2/27/2019									
4/3/2019	<0.0002	<0.0002	0.00726	<0.0002	<0.0002	0.00207 (J)	0.00466 (J)		0.0106
5/7/2019						0.0016 (J)			
9/16/2019	<0.0002	<0.0002	0.00538				0.00492 (J)	0.00111 (J)	
9/17/2019				<0.0002	0.00108 (J)				0.0109
9/18/2019						<0.0002			
2/17/2020	<0.0002	<0.0002							
2/18/2020			0.00269 (J)						
2/19/2020				<0.0002	<0.0002				
2/25/2020						0.00129 (J)	0.00495 (J)	0.00105 (J)	
2/26/2020									0.011
7/22/2020	<0.0002	<0.0002							
7/23/2020					<0.0002				
7/27/2020			0.0041 (J)	<0.0002					
7/28/2020						0.00101 (J)	0.00535	0.00117 (J)	
7/29/2020									0.00947
4/5/2021	0.000311	0.000237	0.00276				0.00452	0.00117	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000661	0.000441	0.000767			0.00999
9/21/2021	0.00024	0.00017 (J)							
9/22/2021			0.00529	0.00052	0.00057				
9/28/2021						0.00084	0.00593	0.0012	
9/29/2021									0.00941
4/20/2022									0.0084
4/26/2022									
4/27/2022					0.00059		0.00552	0.00114	
5/2/2022	0.00024	0.00018 (J)		0.00043		0.00058			
5/3/2022			0.00223						

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.00273 (J)
3/30/2016			
5/17/2016			0.00237 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0024 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.00243 (J)
11/14/2016			0.00232 (J)
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.00259 (J)
5/22/2017			
5/24/2017			0.00229 (J)
6/19/2017			0.00248 (J)
6/20/2017			
6/21/2017			
1/9/2018			0.00276 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.00259 (J)
10/1/2018			0.00288 (J)
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.00173 (J)		
2/25/2019			
2/27/2019		0.00112 (J)	
4/3/2019			0.0067
5/7/2019			
9/16/2019			
9/17/2019		0.00136 (J)	
9/18/2019	0.00215 (J)		0.00308 (J)
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.00265 (J)
2/26/2020	0.00199 (J)	0.00123 (J)	
7/22/2020			0.00331 (J)
7/23/2020	0.00191 (J)	0.00128 (J)	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.00217	0.00122	0.00272
9/21/2021			
9/22/2021			
9/28/2021			0.00416
9/29/2021	0.00207	0.0015	
4/20/2022	0.00183		
4/26/2022		0.00112	0.00281
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.00463 (J)	<0.0002							
3/29/2016			0.00424 (J)						
5/18/2016	0.00511	<0.0002	0.00409 (J)						
7/11/2016		<0.0002							
7/13/2016	0.004 (J)		0.00512			0.00666			
7/14/2016							0.00305 (J)		
8/22/2016						0.0088	0.00169 (J)		
9/13/2016	0.00488 (J)					0.00489 (J)	0.00207 (J)		
9/14/2016		<0.0002	0.00411 (J)						
11/14/2016			0.00365 (J)						
11/15/2016						0.00395 (J)	0.00321 (J)		
11/16/2016	0.00513	0.00105 (J)							
1/3/2017						0.00343 (J)	0.00261 (J)		
2/27/2017	0.00425 (J)								
2/28/2017			0.00369 (J)						
3/1/2017		<0.0002				0.00348 (J)	0.00135 (J)		
5/22/2017	0.00252 (J)								
5/23/2017		<0.0002				0.00294 (J)	0.00151 (J)		
5/24/2017			0.00369 (J)						
6/19/2017		<0.0002	0.00397 (J)						
6/20/2017						0.00286 (J)	<0.0002		
6/21/2017	0.00314 (J)								
1/9/2018			0.00428 (J)				<0.0002		
1/10/2018	0.00294 (J)	<0.0002				0.00318 (J)			
4/17/2018						0.00195 (J)	<0.0002		
4/19/2018	0.00298 (J)	<0.0002	0.00374 (J)						
10/1/2018			0.00372 (J)						
10/2/2018	0.00361 (J)								
10/3/2018		<0.0002							
10/4/2018						0.00309 (J)	<0.0002		
12/5/2018								0.00113 (J)	<0.0002
12/6/2018									
12/13/2018				0.00301 (J)					
2/26/2019									
2/27/2019					0.00119 (J)				
4/1/2019	0.0024 (J)	<0.0002							
4/2/2019						0.00134 (J)	<0.0002		
4/3/2019			0.00398 (J)						
9/16/2019									
9/17/2019									<0.0002
9/18/2019	0.00322 (J)	<0.0002	0.00425 (J)	0.00253 (J)	<0.0002	0.00239 (J)	0.00129 (J)	0.00255 (J)	
2/18/2020	0.00196 (J)								
2/19/2020								<0.0002	<0.0002
2/25/2020			0.0043 (J)	0.00243 (J)	<0.0002				
2/26/2020						0.00116 (J)	<0.0002		
7/21/2020								0.00175 (J)	<0.0002
7/22/2020			0.00349 (J)	0.0042 (J)	0.00105 (J)				
7/27/2020	0.00221 (J)								
7/28/2020						0.00166 (J)	<0.0002		
7/29/2020									
4/5/2021	0.00228								
4/6/2021								0.0022	0.00026

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.00103	0.000184 (J)		
4/12/2021			0.00368	0.00339	0.002				
9/21/2021								0.00102	0.00017 (J)
9/22/2021	0.00221								
9/27/2021						0.00103	0.00017 (J)		
9/28/2021			0.00424	0.00296	0.00222				
4/19/2022	0.00215				0.00298				
4/20/2022			0.00405	0.00226				0.00196	0.00028
4/27/2022									
5/2/2022									
5/3/2022						0.00141	0.00015 (J)		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0002	
12/6/2018	<0.0002		
12/13/2018			
2/26/2019			0.00192 (J)
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.0036 (J)
9/17/2019			
9/18/2019	<0.0002	<0.0002	
2/18/2020			
2/19/2020	<0.0002		
2/25/2020		<0.0002	0.00352 (J)
2/26/2020			
7/21/2020		<0.0002	
7/22/2020	<0.0002		
7/27/2020			
7/28/2020			
7/29/2020			0.0032 (J)
4/5/2021			0.00321
4/6/2021		0.000159 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.000148 (J)		
4/12/2021			
9/21/2021		0.00018 (J)	
9/22/2021	0.00012 (J)		
9/27/2021			
9/28/2021			0.0028
4/19/2022			
4/20/2022	0.00012 (J)		
4/27/2022			0.00278
5/2/2022		0.00022	
5/3/2022			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.0002							
3/30/2016									
5/17/2016		<0.0002							
5/23/2016									
7/11/2016		<0.0002							
7/14/2016									
9/13/2016									
9/14/2016		<0.0002							
11/15/2016									
11/16/2016		<0.0002							
2/28/2017									
3/1/2017		<0.0002							
5/23/2017		<0.0002							
5/24/2017									
6/19/2017		<0.0002							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.0002							
4/17/2018									
4/19/2018		<0.0002							
10/1/2018									
10/3/2018		<0.0002							
2/26/2019	0.00168 (J)								
4/2/2019		<0.0002							
9/17/2019	0.00222 (J)	<0.0002							
9/18/2019									
9/26/2019	0.00225 (J)								
10/22/2019			0.00169 (J)						
2/18/2020									
2/19/2020		<0.0002	0.00651				0.00393 (J)		
2/25/2020	0.00235 (J)					0.00476 (J)			
2/26/2020					0.00438 (J)				
4/29/2020				0.00315 (J)				<0.0002	0.00178 (J)
7/20/2020					<0.0002				<0.0002
7/21/2020						0.0111	0.00401 (J)	0.00222 (J)	
7/23/2020			0.00536						
7/27/2020		<0.0002		0.00185 (J)					
7/28/2020									
7/29/2020	0.00237 (J)								
3/30/2021					0.0046	0.00882	0.00303	0.00223	0.00131
4/5/2021	0.00227	0.000829		0.00359					
4/6/2021			0.00801						
4/7/2021									
9/22/2021						0.0209			0.00172
9/27/2021		0.00073			0.00523				
9/28/2021	0.00222								
9/29/2021			0.00696	0.00475			0.00231	0.00232	
4/26/2022	0.0021				0.00528	0.0135			0.00212
4/27/2022				0.00989			0.00339	0.00212	
5/2/2022			0.00548						
5/3/2022		0.00058							

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.002 (J)	<0.0002
5/17/2016		<0.0002	
5/23/2016			<0.0002
7/11/2016		<0.0002	
7/14/2016			<0.0002
9/13/2016			<0.0002
9/14/2016		<0.0002	
11/15/2016			<0.0002
11/16/2016		<0.0002	
2/28/2017		<0.0002	
3/1/2017			<0.0002
5/23/2017			<0.0002
5/24/2017		<0.0002	
6/19/2017			
6/20/2017			<0.0002
6/21/2017		<0.0002	
1/9/2018			<0.0002
1/10/2018		<0.0002	
4/17/2018			<0.0002
4/19/2018		<0.0002	
10/1/2018			<0.0002
10/3/2018		<0.0002	
2/26/2019			
4/2/2019		<0.0002	<0.0002
9/17/2019		<0.0002	
9/18/2019			<0.0002
9/26/2019			
10/22/2019			
2/18/2020		<0.0002	
2/19/2020			
2/25/2020			
2/26/2020			<0.0002
4/29/2020	0.0042 (J)		
7/20/2020	0.00169 (J)		
7/21/2020			
7/23/2020			
7/27/2020		<0.0002	
7/28/2020			<0.0002
7/29/2020			
3/30/2021	0.000664		
4/5/2021		0.000142 (J)	
4/6/2021			
4/7/2021			0.000148 (J)
9/22/2021			
9/27/2021	0.00048	0.00018 (J)	0.00016 (J)
9/28/2021			
9/29/2021			
4/26/2022	0.00073		
4/27/2022			
5/2/2022		0.00016 (J)	
5/3/2022			0.00015 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			0.00155 (J)						
3/30/2016	0.00105 (J)	<0.0002							
4/4/2016				0.00191 (J)					
5/19/2016	<0.0002	<0.0002							
5/23/2016			0.00227 (J)	0.00213 (J)					
7/12/2016			0.00206 (J)	0.00183 (J)					
7/13/2016	<0.0002	<0.0002							
9/13/2016	<0.0002	<0.0002	0.00179 (J)	0.00168 (J)					
11/15/2016	<0.0002	<0.0002	0.00171 (J)	0.00181 (J)					
2/28/2017			0.00232 (J)	0.00404 (J)					
3/1/2017	<0.0002	<0.0002							
5/23/2017	<0.0002	<0.0002							
5/24/2017			0.00151 (J)	0.00161 (J)					
6/20/2017	<0.0002	<0.0002	0.00298 (J)	0.00155 (J)					
1/10/2018	<0.0002	<0.0002	0.00196 (J)	0.00227 (J)					
4/17/2018	<0.0002	<0.0002	0.00219 (J)	0.00174 (J)					
10/1/2018			0.00188 (J)	0.00275 (J)					
10/4/2018	<0.0002	<0.0002							
4/1/2019			0.00177 (J)	0.00269 (J)					
4/2/2019	<0.0002	<0.0002							
9/17/2019			0.00112 (J)	0.00324 (J)					
9/18/2019	<0.0002	<0.0002							
2/17/2020				0.00246 (J)					
2/25/2020			<0.0002						
2/26/2020	<0.0002	<0.0002							
7/28/2020	<0.0002	<0.0002							
7/29/2020			0.00152 (J)	0.00222 (J)					
4/5/2021				0.00234					
4/6/2021			0.00108						
4/7/2021	9.55E-05 (J)	0.000194 (J)							
4/12/2021					0.000946	0.000195 (J)	0.000179 (J)	0.000283	
4/13/2021									0.000163 (J)
9/21/2021			0.0012	0.00308	0.00049	0.0001 (J)	<0.0002	0.00013 (J)	<0.0002
9/27/2021	0.00014 (J)	0.00019 (J)							
4/19/2022					0.00043	0.00017 (J)	0.00014 (J)	0.00019 (J)	0.00027
5/2/2022			0.00107	0.00225					
5/3/2022	0.00015 (J)	0.00016 (J)							

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0952	0.0856			
3/29/2016							0.031		0.0849
3/30/2016	0.0139	0.00993 (J)	0.0644	0.0337					
5/17/2016	0.0188				0.0437		0.0313		0.0891
5/18/2016		0.011	0.0794	0.038					
5/19/2016						0.132			
7/11/2016					0.0496	0.0302			
7/13/2016	0.0139	0.012	0.0735						
7/14/2016				0.0338			0.0336		0.0965
7/18/2016									
8/22/2016						0.0267			
9/12/2016			0.072	0.0331					
9/13/2016	0.0121	0.01			0.0493		0.0286		0.0811
9/14/2016						0.0247			
11/14/2016		0.00973 (J)	0.0768	0.0353			0.0296		
11/15/2016	0.0132				0.0634	0.0273			
11/16/2016									0.0833
1/3/2017						0.026			
2/27/2017					0.0593	0.0301			
2/28/2017	0.0148	0.00989 (J)	0.0695	0.0388			0.0315		0.0897
5/22/2017	0.0116	0.00911 (J)				0.0274			
5/24/2017			0.0671	0.0344	0.0476		0.0275		0.0673
6/19/2017	0.0113	0.00908 (J)					0.0279		0.0767
6/20/2017						0.0292			
6/21/2017			0.0629	0.0302	0.0481				
1/9/2018		0.00832 (J)	0.0658	0.0321	0.0505	0.0316	0.0273		0.074
1/10/2018	0.0117								
4/16/2018	0.0145	0.00942 (J)	0.0666						
4/19/2018				0.0361	0.0574	0.0368	0.0307		0.088
10/1/2018							0.0295		0.0898
10/2/2018	0.0124								
10/4/2018		0.00817 (J)	0.0667						
10/5/2018				0.0336	0.0776	0.0818			
12/17/2018									
2/25/2019								0.0423	
2/27/2019									
4/3/2019	0.0137	0.00993 (J)	0.073	0.0363	0.0619	0.134	0.0335		0.105
5/7/2019						0.0774			
9/16/2019	0.0135	0.00956 (J)	0.0819				0.0393	0.0503	
9/17/2019				0.0396	0.0745				0.12
9/18/2019						0.0799			
2/17/2020	0.0127	0.0088 (J)							
2/18/2020			0.0726						
2/19/2020				0.0381	0.0653				
2/25/2020						0.0693	0.0353	0.0507	
2/26/2020									0.105
7/22/2020	0.0141	0.0082 (J)							
7/23/2020					0.0686				
7/27/2020			0.077	0.0395					
7/28/2020						0.0635	0.0355	0.052	
7/29/2020									0.0978
4/5/2021	0.0142	0.00832	0.0751				0.0421	0.0482	

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.0389	0.0659	0.0541			0.119
9/21/2021	0.0129	0.00893							
9/22/2021			0.0815	0.0444	0.0739				
9/28/2021						0.0615	0.051	0.0547	
9/29/2021									0.119
4/20/2022									0.12
4/26/2022									
4/27/2022					0.0763		0.0514	0.0557	
5/2/2022	0.0132	0.00954		0.0414		0.0561			
5/3/2022			0.0752						

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.0435
3/30/2016			
5/17/2016			0.0451
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0428
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.0415
11/14/2016			0.0422
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.0466
5/22/2017			
5/24/2017			0.0382
6/19/2017			0.0408
6/20/2017			
6/21/2017			
1/9/2018			0.0394
1/10/2018			
4/16/2018			
4/19/2018			0.0434
10/1/2018			0.0424
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.061		
2/25/2019			
2/27/2019		0.0434	
4/3/2019			0.045
5/7/2019			
9/16/2019			
9/17/2019		0.0475	
9/18/2019	0.0667		0.0524
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0474
2/26/2020	0.066	0.0547	
7/22/2020			0.05
7/23/2020	0.0673	0.0424	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.0751	0.0491	0.0483
9/21/2021			
9/22/2021			
9/28/2021			0.0525
9/29/2021	0.0826	0.0502	
4/20/2022	0.0906		
4/26/2022		0.0551	0.0515
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.037	0.00887 (J)							
3/29/2016			0.0691						
5/18/2016	0.0492	0.00816 (J)	0.074						
7/11/2016		0.0096 (J)							
7/13/2016	0.0555		0.0784			0.0425			
7/14/2016							0.103		
8/22/2016						0.0214	0.0662		
9/13/2016	0.0421					0.0628	0.0644		
9/14/2016		0.00964 (J)	0.0658						
11/14/2016			0.0634						
11/15/2016						0.06	0.132		
11/16/2016	0.042	0.0247							
1/3/2017						0.0348	0.098		
2/27/2017	0.0407								
2/28/2017			0.0676						
3/1/2017		0.0282				0.0395	0.0423		
5/22/2017	0.0271								
5/23/2017		0.0187				0.0279	0.0359		
5/24/2017			0.0551						
6/19/2017		0.0164	0.0604						
6/20/2017						0.0255	0.0396		
6/21/2017	0.024								
1/9/2018			0.0562				0.034		
1/10/2018	0.0195	0.0149				0.033			
4/17/2018						0.0205	0.043		
4/19/2018	0.0208	0.0147	0.0634						
10/1/2018			0.061						
10/2/2018	0.0186								
10/3/2018		0.0131							
10/4/2018						0.0314	0.0353		
12/5/2018								0.0196	0.0364
12/6/2018									
12/13/2018				0.0863					
2/26/2019									
2/27/2019					0.0219				
4/1/2019	0.0188	0.0116							
4/2/2019						0.0146	0.0471		
4/3/2019			0.0599						
9/16/2019									
9/17/2019									0.0316
9/18/2019	0.0211	0.0118	0.0651	0.0982	0.0241	0.0362	0.0458	0.027	
2/18/2020	0.0163								
2/19/2020								0.052	0.0443
2/25/2020			0.0595	0.0912	0.0239				
2/26/2020						0.0339	0.0439		
7/21/2020								0.0336	0.0312
7/22/2020			0.0612	0.12	0.0242				
7/27/2020	0.0165								
7/28/2020						0.0223	0.0406		
7/29/2020									
4/5/2021	0.0149								
4/6/2021								0.0353	0.0282

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.0375	0.0352		
4/12/2021			0.0589	0.127	0.0273				
9/21/2021								0.0577	0.0229
9/22/2021	0.0162								
9/27/2021						0.0408	0.036		
9/28/2021			0.0603	0.132	0.0312				
4/19/2022	0.0141				0.0323				
4/20/2022			0.0554	0.119				0.0399	0.0279
4/27/2022									
5/2/2022									
5/3/2022						0.0497	0.0276		

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.0297	
12/6/2018	0.0188		
12/13/2018			
2/26/2019			0.0278
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.0321
9/17/2019			
9/18/2019	0.0192	0.04	
2/18/2020			
2/19/2020	0.0166		
2/25/2020		0.0149	0.0304
2/26/2020			
7/21/2020		0.0251	
7/22/2020	0.0174		
7/27/2020			
7/28/2020			
7/29/2020			0.0305
4/5/2021			0.0309
4/6/2021		0.0151	

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.0177		
4/12/2021			
9/21/2021		0.0139	
9/22/2021	0.0179		
9/27/2021			
9/28/2021			0.0345
4/19/2022			
4/20/2022	0.0171		
4/27/2022			0.0318
5/2/2022		0.0158	
5/3/2022			

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.0116							
3/30/2016									
5/17/2016		0.00866 (J)							
5/23/2016									
7/11/2016		0.00969 (J)							
7/14/2016									
9/13/2016									
9/14/2016		0.00864 (J)							
11/15/2016									
11/16/2016		0.00917 (J)							
2/28/2017									
3/1/2017		0.00869 (J)							
5/23/2017		0.00658 (J)							
5/24/2017									
6/19/2017		0.00672 (J)							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		0.00645 (J)							
4/17/2018									
4/19/2018		0.00625 (J)							
10/1/2018									
10/3/2018		0.00708 (J)							
2/26/2019	0.0502								
4/2/2019		0.00625 (J)							
9/17/2019	0.0567	0.00834 (J)							
9/18/2019									
9/26/2019	0.0574								
10/22/2019			0.0702						
2/18/2020									
2/19/2020		0.00697 (J)	0.109				0.0576		
2/25/2020	0.0581					0.0549			
2/26/2020					0.0489				
4/29/2020				0.0364				0.0163	0.0831
7/20/2020					0.0555				0.0841
7/21/2020						0.0654	0.0477	0.0199	
7/23/2020			0.0899						
7/27/2020		0.0192		0.0318					
7/28/2020									
7/29/2020	0.0549								
3/30/2021					0.0584	0.0593	0.0392	0.0184	0.0792
4/5/2021	0.0577	0.0222		0.0267					
4/6/2021			0.082						
4/7/2021									
9/22/2021						0.064			0.0847
9/27/2021		0.021			0.0631				
9/28/2021	0.0597								
9/29/2021			0.0813	0.0281			0.041	0.019	
4/26/2022	0.0604				0.0584	0.0461			0.0799
4/27/2022				0.0289			0.0349	0.017	
5/2/2022			0.0734						
5/3/2022		0.0222							

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.0219	0.0339
5/17/2016		0.0196	
5/23/2016			0.0289
7/11/2016		0.0286	
7/14/2016			0.0281
9/13/2016			0.0301
9/14/2016		0.0261	
11/15/2016			0.0296
11/16/2016		0.0291	
2/28/2017		0.0229	
3/1/2017			0.0395
5/23/2017			0.0307
5/24/2017		0.0202	
6/19/2017			
6/20/2017			0.0367
6/21/2017		0.0186	
1/9/2018			0.0269
1/10/2018		0.0261	
4/17/2018			0.0441
4/19/2018		0.0231	
10/1/2018			0.0298
10/3/2018		0.0296	
2/26/2019			
4/2/2019		0.0254	0.0371
9/17/2019		0.0344	
9/18/2019			0.0335
9/26/2019			
10/22/2019			
2/18/2020		0.0185	
2/19/2020			
2/25/2020			
2/26/2020			0.0231
4/29/2020	0.0336		
7/20/2020	0.0352		
7/21/2020			
7/23/2020			
7/27/2020		0.0207	
7/28/2020			0.0332
7/29/2020			
3/30/2021	0.0355		
4/5/2021		0.0151	
4/6/2021			
4/7/2021			0.027
9/22/2021			
9/27/2021	0.0367	0.0155	0.0266
9/28/2021			
9/29/2021			
4/26/2022	0.0353		
4/27/2022			
5/2/2022		0.0153	
5/3/2022			0.0219

Time Series

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			0.0277						
3/30/2016	0.0277	0.025							
4/4/2016				0.0789					
5/19/2016	0.0282	0.0249							
5/23/2016			0.0261	0.0733					
7/12/2016			0.0251	0.102					
7/13/2016	0.0222	0.0279							
9/13/2016	0.017	0.0153	0.0189	0.0793					
11/15/2016	0.0151	0.0225	0.0186	0.0882					
2/28/2017			0.0196	0.111					
3/1/2017	0.0212	0.0261							
5/23/2017	0.0162	0.0208							
5/24/2017			0.0228	0.0914					
6/20/2017	0.02	0.0244	0.0188	0.0948					
1/10/2018	0.0183	0.0235	0.0141	0.0836					
4/17/2018	0.0271	0.0252	0.0179	0.0979					
10/1/2018			0.0168	0.118					
10/4/2018	0.0189	0.0265							
4/1/2019			0.0209	0.105					
4/2/2019	0.0243	0.0236							
9/17/2019			0.0202	0.118					
9/18/2019	0.023	0.029							
2/17/2020				0.109					
2/25/2020			0.0168						
2/26/2020	0.0254	0.0261							
7/28/2020	0.026	0.0248							
7/29/2020			0.0206	0.105					
4/5/2021				0.104					
4/6/2021			0.018						
4/7/2021	0.0211	0.0245							
4/12/2021					0.0226	0.0107	0.0155	0.008	
4/13/2021									0.0154
9/21/2021			0.0179	0.114	0.0283	0.00746	0.0213	0.0101	0.0114
9/27/2021	0.0223	0.0218							
4/19/2022					0.0279	0.00636	0.0185	0.00686	0.0148
5/2/2022			0.0188	0.114					
5/3/2022	0.0232	0.0191							

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00119 (J)	<0.00102			
3/29/2016							<0.00102		<0.00102
3/30/2016	<0.00102	<0.00102	<0.00102	<0.00102					
5/17/2016	<0.00102				<0.00102		<0.00102		<0.00102
5/18/2016		<0.00102	<0.00102	<0.00102					
5/19/2016						<0.00102			
7/11/2016					<0.00102	<0.00102			
7/13/2016	<0.00102	<0.00102	<0.00102						
7/14/2016				<0.00102			<0.00102		<0.00102
7/18/2016									
8/22/2016						<0.00102			
9/12/2016			<0.00102	<0.00102					
9/13/2016	<0.00102	<0.00102			<0.00102		<0.00102		<0.00102
9/14/2016						<0.00102			
11/14/2016		<0.00102	<0.00102	<0.00102			<0.00102		
11/15/2016	<0.00102				<0.00102	<0.00102			
11/16/2016									<0.00102
1/3/2017						<0.00102			
2/27/2017					<0.00102	<0.00102			
2/28/2017	<0.00102	<0.00102	<0.00102	<0.00102			<0.00102		<0.00102
5/22/2017	<0.00102	<0.00102				<0.00102			
5/24/2017			<0.00102	<0.00102	<0.00102		<0.00102		<0.00102
6/19/2017	<0.00102	<0.00102					<0.00102		<0.00102
6/20/2017						<0.00102			
6/21/2017			<0.00102	<0.00102	<0.00102				
1/9/2018		<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
1/10/2018	<0.00102								
4/16/2018	<0.00102	<0.00102	<0.00102						
4/19/2018				<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
10/1/2018							<0.00102		<0.00102
10/2/2018	<0.00102								
10/4/2018		<0.00102	<0.00102						
10/5/2018				<0.00102	<0.00102	<0.00102			
12/17/2018									
2/25/2019								<0.00102	
2/27/2019									
4/3/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
5/7/2019						<0.00102			
9/16/2019	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	
9/17/2019				<0.00102	<0.00102				<0.00102
9/18/2019						<0.00102			
2/17/2020	<0.00102	<0.00102							
2/18/2020			<0.00102						
2/19/2020				<0.00102	<0.00102				
2/25/2020						<0.00102	<0.00102	<0.00102	
2/26/2020									<0.00102
7/22/2020	<0.00102	<0.00102							
7/23/2020					<0.00102				
7/27/2020			<0.00102	<0.00102					
7/28/2020						<0.00102	<0.00102	<0.00102	
7/29/2020									<0.00102
4/5/2021	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.00102	<0.00102	<0.00102			<0.00102
9/21/2021	<0.00102	<0.00102							
9/22/2021			<0.00102	<0.00102	<0.00102				
9/28/2021						<0.00102	<0.00102	<0.00102	
9/29/2021									<0.00102
4/20/2022									<0.00102
4/26/2022									
4/27/2022					<0.00102		<0.00102	<0.00102	
5/2/2022	<0.00102	<0.00102		<0.00102		<0.00102			
5/3/2022			<0.00102						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.00102
3/30/2016			
5/17/2016			<0.00102
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.00102
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.00102
11/14/2016			<0.00102
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.00102
5/22/2017			
5/24/2017			<0.00102
6/19/2017			<0.00102
6/20/2017			
6/21/2017			
1/9/2018			<0.00102
1/10/2018			
4/16/2018			
4/19/2018			<0.00102
10/1/2018			<0.00102
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.00102		
2/25/2019			
2/27/2019		<0.00102	
4/3/2019			<0.00102
5/7/2019			
9/16/2019			
9/17/2019		<0.00102	
9/18/2019	<0.00102		<0.00102
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.00102
2/26/2020	<0.00102	<0.00102	
7/22/2020			<0.00102
7/23/2020	<0.00102	<0.00102	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.00102	<0.00102	<0.00102
9/21/2021			
9/22/2021			
9/28/2021			<0.00102
9/29/2021	<0.00102	<0.00102	
4/20/2022	<0.00102		
4/26/2022		<0.00102	<0.00102
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.00102	<0.00102							
3/29/2016			<0.00102						
5/18/2016	<0.00102	<0.00102	<0.00102						
7/11/2016		<0.00102							
7/13/2016	<0.00102		<0.00102			<0.00102			
7/14/2016							<0.00102		
8/22/2016						<0.00102	<0.00102		
9/13/2016	<0.00102					<0.00102	<0.00102		
9/14/2016		<0.00102	<0.00102						
11/14/2016			<0.00102						
11/15/2016						<0.00102	<0.00102		
11/16/2016	<0.00102	<0.00102							
1/3/2017						<0.00102	<0.00102		
2/27/2017	<0.00102								
2/28/2017			<0.00102						
3/1/2017		<0.00102				<0.00102	<0.00102		
5/22/2017	<0.00102								
5/23/2017		<0.00102				<0.00102	<0.00102		
5/24/2017			<0.00102						
6/19/2017		<0.00102	<0.00102						
6/20/2017						<0.00102	<0.00102		
6/21/2017	<0.00102								
1/9/2018			<0.00102					<0.00102	
1/10/2018	<0.00102	<0.00102				<0.00102			
4/17/2018						<0.00102	<0.00102		
4/19/2018	<0.00102	<0.00102	<0.00102						
10/1/2018			<0.00102						
10/2/2018	<0.00102								
10/3/2018		<0.00102							
10/4/2018						<0.00102	<0.00102		
12/5/2018								<0.00102	<0.00102
12/6/2018									
12/13/2018				<0.00102					
2/26/2019									
2/27/2019					<0.00102				
4/1/2019	<0.00102	<0.00102							
4/2/2019						<0.00102	<0.00102		
4/3/2019			<0.00102						
9/16/2019									
9/17/2019									<0.00102
9/18/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	
2/18/2020	<0.00102								
2/19/2020								<0.00102	<0.00102
2/25/2020			<0.00102	<0.00102	<0.00102				
2/26/2020						<0.00102	<0.00102		
7/21/2020								<0.00102	<0.00102
7/22/2020			<0.00102	<0.00102	<0.00102				
7/27/2020	<0.00102								
7/28/2020						<0.00102	<0.00102		
7/29/2020									
4/5/2021	<0.00102								
4/6/2021								<0.00102	<0.00102

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.00102	<0.00102		
4/12/2021			<0.00102	<0.00102	<0.00102				
9/21/2021								<0.00102	<0.00102
9/22/2021	<0.00102								
9/27/2021						<0.00102	<0.00102		
9/28/2021			<0.00102	<0.00102	<0.00102				
4/19/2022	<0.00102				<0.00102				
4/20/2022			<0.00102	<0.00102				<0.00102	<0.00102
4/27/2022									
5/2/2022									
5/3/2022						<0.00102	<0.00102		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.00102	
12/6/2018	<0.00102		
12/13/2018			
2/26/2019			<0.00102
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.00102
9/17/2019			
9/18/2019	<0.00102	<0.00102	
2/18/2020			
2/19/2020	<0.00102		
2/25/2020		<0.00102	<0.00102
2/26/2020			
7/21/2020		<0.00102	
7/22/2020	<0.00102		
7/27/2020			
7/28/2020			
7/29/2020			<0.00102
4/5/2021			<0.00102
4/6/2021		<0.00102	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.00102		
4/12/2021			
9/21/2021		<0.00102	
9/22/2021	<0.00102		
9/27/2021			
9/28/2021			<0.00102
4/19/2022			
4/20/2022	<0.00102		
4/27/2022			<0.00102
5/2/2022		<0.00102	
5/3/2022			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.00102							
3/30/2016									
5/17/2016		<0.00102							
5/23/2016									
7/11/2016		<0.00102							
7/14/2016									
9/13/2016									
9/14/2016		<0.00102							
11/15/2016									
11/16/2016		<0.00102							
2/28/2017									
3/1/2017		<0.00102							
5/23/2017		<0.00102							
5/24/2017									
6/19/2017		<0.00102							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.00102							
4/17/2018									
4/19/2018		<0.00102							
10/1/2018									
10/3/2018		<0.00102							
2/26/2019	<0.00102								
4/2/2019		<0.00102							
9/17/2019	<0.00102	<0.00102							
9/18/2019									
9/26/2019	<0.00102								
10/22/2019			<0.00102						
2/18/2020									
2/19/2020		<0.00102	<0.00102				<0.00102		
2/25/2020	<0.00102					<0.00102			
2/26/2020					<0.00102				
4/29/2020				<0.00102				<0.00102	<0.00102
7/20/2020					<0.00102				<0.00102
7/21/2020						<0.00102	<0.00102	<0.00102	
7/23/2020			<0.00102						
7/27/2020		<0.00102		<0.00102					
7/28/2020									
7/29/2020	<0.00102								
3/30/2021					<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
4/5/2021	<0.00102	<0.00102		<0.00102					
4/6/2021			<0.00102						
4/7/2021									
9/22/2021						<0.00102			<0.00102
9/27/2021		<0.00102			<0.00102				
9/28/2021	<0.00102								
9/29/2021			<0.00102	<0.00102			<0.00102	<0.00102	
4/26/2022	<0.00102				<0.00102	<0.00102			<0.00102
4/27/2022				<0.00102			<0.00102	<0.00102	
5/2/2022			<0.00102						
5/3/2022		<0.00102							

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.00102	<0.00102
5/17/2016		<0.00102	
5/23/2016			<0.00102
7/11/2016		<0.00102	
7/14/2016			<0.00102
9/13/2016			<0.00102
9/14/2016		<0.00102	
11/15/2016			<0.00102
11/16/2016		<0.00102	
2/28/2017		<0.00102	
3/1/2017			<0.00102
5/23/2017			<0.00102
5/24/2017		<0.00102	
6/19/2017			
6/20/2017			<0.00102
6/21/2017		<0.00102	
1/9/2018			<0.00102
1/10/2018		<0.00102	
4/17/2018			<0.00102
4/19/2018		<0.00102	
10/1/2018			<0.00102
10/3/2018		<0.00102	
2/26/2019			
4/2/2019		<0.00102	<0.00102
9/17/2019		<0.00102	
9/18/2019			<0.00102
9/26/2019			
10/22/2019			
2/18/2020		<0.00102	
2/19/2020			
2/25/2020			
2/26/2020			<0.00102
4/29/2020	<0.00102		
7/20/2020	<0.00102		
7/21/2020			
7/23/2020			
7/27/2020		<0.00102	
7/28/2020			<0.00102
7/29/2020			
3/30/2021	<0.00102		
4/5/2021		<0.00102	
4/6/2021			
4/7/2021			<0.00102
9/22/2021			
9/27/2021	<0.00102	<0.00102	<0.00102
9/28/2021			
9/29/2021			
4/26/2022	<0.00102		
4/27/2022			
5/2/2022		<0.00102	
5/3/2022			<0.00102

Time Series

Constituent: Beryllium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.00102						
3/30/2016	<0.00102	<0.00102							
4/4/2016				<0.00102					
5/19/2016	<0.00102	<0.00102							
5/23/2016			<0.00102	<0.00102					
7/12/2016			<0.00102	<0.00102					
7/13/2016	<0.00102	<0.00102							
9/13/2016	<0.00102	<0.00102	<0.00102	<0.00102					
11/15/2016	<0.00102	<0.00102	<0.00102	<0.00102					
2/28/2017			<0.00102	<0.00102					
3/1/2017	<0.00102	<0.00102							
5/23/2017	<0.00102	<0.00102							
5/24/2017			<0.00102	<0.00102					
6/20/2017	<0.00102	<0.00102	<0.00102	<0.00102					
1/10/2018	<0.00102	<0.00102	<0.00102	<0.00102					
4/17/2018	<0.00102	<0.00102	<0.00102	<0.00102					
10/1/2018			<0.00102	<0.00102					
10/4/2018	<0.00102	<0.00102							
4/1/2019			<0.00102	<0.00102					
4/2/2019	<0.00102	<0.00102							
9/17/2019			<0.00102	<0.00102					
9/18/2019	<0.00102	<0.00102							
2/17/2020				<0.00102					
2/25/2020			<0.00102						
2/26/2020	<0.00102	<0.00102							
7/28/2020	<0.00102	<0.00102							
7/29/2020			<0.00102	<0.00102					
4/5/2021				<0.00102					
4/6/2021			<0.00102						
4/7/2021	<0.00102	<0.00102							
4/12/2021					<0.00102	<0.00102	<0.00102	<0.00102	
4/13/2021									<0.00102
9/21/2021			<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
9/27/2021	<0.00102	<0.00102							
4/19/2022					<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
5/2/2022			<0.00102	<0.00102					
5/3/2022	<0.00102	<0.00102							

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.1015	0.103			
3/29/2016							1.32		3.04
3/30/2016	0.0291 (J)	0.112	0.287	<0.1015					
5/17/2016	0.0466 (J)				<0.1015		1.35		3.1
5/18/2016		0.118	0.286	<0.1015					
5/19/2016						0.169			
7/11/2016					<0.1015	0.829			
7/13/2016	0.0305 (J)	0.125	0.299						
7/14/2016				<0.1015			1.32		2.96
7/18/2016									
8/22/2016						0.835			
9/12/2016			0.302	0.0762 (J)					
9/13/2016	<0.1015	0.108			<0.1015		1.31		2.94
9/14/2016						0.838			
11/14/2016		0.126	0.323	<0.1015			1.34		
11/15/2016	<0.1015				<0.1015	0.894			
11/16/2016									2.96
1/3/2017						0.897			
2/27/2017					<0.1015	0.897			
2/28/2017	<0.1015	0.12	0.336	<0.1015			1.28		2.92
5/22/2017	<0.1015	0.116				0.892			
5/24/2017			0.342	<0.1015	<0.1015		1.24		2.66
6/19/2017	0.0204 (J)	0.12					1.26		2.7
6/20/2017						0.91			
6/21/2017			0.342	<0.1015	<0.1015				
8/14/2017	0.0242 (J)	0.124	0.359	<0.1015		0.906	1.24		2.64
8/15/2017					<0.1015				
4/16/2018	0.0466 (J)	0.163	0.384						
4/19/2018				<0.1015	<0.1015	0.991	1.34		2.87
10/1/2018							1.29		2.83
10/2/2018	0.0228 (J)								
10/4/2018		0.206	0.503						
10/5/2018				<0.1015	<0.1015	4.34			
12/17/2018									
2/25/2019								1.33	
2/27/2019									
4/3/2019	<0.1015	0.216	0.401	<0.1015	<0.1015	4.18	1.32		2.92
5/7/2019						4.13			
9/16/2019	<0.1015	0.207	0.423				1.4	1.38	
9/17/2019				<0.1015	<0.1015				3.25
9/18/2019						3.47			
2/17/2020	<0.1015	0.221							
2/18/2020			0.433						
2/19/2020				<0.1015	<0.1015				
2/25/2020						3.13	1.39	1.4	
2/26/2020									3.24
7/22/2020	<0.1015	0.205							
7/23/2020					<0.1015				
7/27/2020			0.444	<0.1015					
7/28/2020						2.7	1.33	1.34	
7/29/2020									3.06
4/5/2021	0.0854 (J)	0.271	0.427				1.43	1.39	

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.1015	<0.1015	2.54			3.48
9/21/2021	0.0378 (J)	0.283							
9/22/2021			0.447	<0.1015	<0.1015				
9/28/2021						2.34	1.42	1.37	
9/29/2021									3.37
4/20/2022									3.43
4/26/2022									
4/27/2022					<0.1015		1.47	1.41	
5/2/2022	0.0352 (J)	0.324		<0.1015		2.36			
5/3/2022			0.465						

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			1.33
3/30/2016			
5/17/2016			1.37
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			1.31
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			1.28
11/14/2016			1.31
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			1.29
5/22/2017			
5/24/2017			1.17
6/19/2017			1.24
6/20/2017			
6/21/2017			
8/14/2017			1.19
8/15/2017			
4/16/2018			
4/19/2018			1.3
10/1/2018			1.26
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	2.48		
2/25/2019			
2/27/2019		2.03	
4/3/2019			1.27
5/7/2019			
9/16/2019			
9/17/2019		2.07	
9/18/2019	2.51		1.47
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			1.38
2/26/2020	2.55	2.22	
7/22/2020			1.37
7/23/2020	2.4	1.93	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	2.58	2.16	1.44
9/21/2021			
9/22/2021			
9/28/2021			1.58
9/29/2021	2.53	2.03	
4/20/2022	2.61		
4/26/2022		2.13	1.65
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.0538 (J)	<0.1015							
3/29/2016			3.48						
5/18/2016	0.0252 (J)	<0.1015	3.61						
7/11/2016		<0.1015							
7/13/2016	<0.1015		3.7			1.63			
7/14/2016							1.73		
8/22/2016						1.32	1.66		
9/13/2016	<0.1015					1.85	1.85		
9/14/2016		<0.1015	3.53						
11/14/2016			3.51						
11/15/2016						2.12	2.09		
11/16/2016	<0.1015	<0.1015							
1/3/2017						2.01	1.89		
2/27/2017	<0.1015								
2/28/2017			3.44						
3/1/2017		<0.1015				1.47	1.88		
5/22/2017	<0.1015								
5/23/2017		<0.1015				1.41	1.87		
5/24/2017			3.31						
6/19/2017		<0.1015	3.48						
6/20/2017						1.38	1.88		
6/21/2017	<0.1015								
8/14/2017	<0.1015		3.4						
8/15/2017		<0.1015				2.04	1.87		
4/17/2018						1.66	2.04		
4/19/2018	0.0258 (J)	<0.1015	3.74						
10/1/2018			3.73						
10/2/2018	<0.1015								
10/3/2018		<0.1015							
10/4/2018						2.58	2.22		
12/5/2018								1.24	1.13
12/6/2018									
12/13/2018				1.73					
2/26/2019									
2/27/2019					2.79				
4/1/2019	<0.1015	<0.1015							
4/2/2019						1.5	2.03		
4/3/2019			3.77						
9/16/2019									
9/17/2019									0.735
9/18/2019	<0.1015	<0.1015	4.12	2.28	2.91	2.51	2.1	1.42	
2/18/2020	<0.1015								
2/19/2020								1.54	1.2
2/25/2020			4.14	2.27	2.92				
2/26/2020						2.28	2.15		
7/21/2020								1.42	0.743
7/22/2020			3.86	2.64	2.79				
7/27/2020	<0.1015								
7/28/2020						1.84	1.97		
7/29/2020									
4/5/2021	<0.1015								
4/6/2021								1.46	0.672

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						1.75	1.61		
4/12/2021			4.29	3.13	3.05				
9/21/2021								1.46	0.541
9/22/2021	<0.1015								
9/27/2021						1.67	1.43		
9/28/2021			4.32	2.94	2.94				
4/19/2022	<0.1015				3.07				
4/20/2022			4.49	2.91				1.46	0.584
4/27/2022									
5/2/2022									
5/3/2022						1.61	1		

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.82	
12/6/2018	1.38		
12/13/2018			
2/26/2019			0.754
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.805
9/17/2019			
9/18/2019	1.33	1.23	
2/18/2020			
2/19/2020	1.34		
2/25/2020		0.352	0.789
2/26/2020			
7/21/2020		0.658	
7/22/2020	1.18		
7/27/2020			
7/28/2020			
7/29/2020			0.779
4/5/2021			0.796
4/6/2021		0.214	

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	1.16		
4/12/2021			
9/21/2021		0.129	
9/22/2021	1.13		
9/27/2021			
9/28/2021			0.788
4/19/2022			
4/20/2022	1.03		
4/27/2022			0.798
5/2/2022		0.178	
5/3/2022			

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.1015							
3/30/2016									
5/17/2016		<0.1015							
5/23/2016									
7/11/2016		<0.1015							
7/14/2016									
9/13/2016									
9/14/2016		<0.1015							
11/15/2016									
11/16/2016		<0.1015							
2/28/2017									
3/1/2017		<0.1015							
5/23/2017		<0.1015							
5/24/2017									
6/19/2017		<0.1015							
6/20/2017									
6/21/2017									
8/15/2017		<0.1015							
4/17/2018									
4/19/2018		<0.1015							
10/1/2018									
10/3/2018		<0.1015							
2/26/2019	1.17								
4/2/2019		<0.1015							
9/17/2019	1.18	<0.1015							
9/18/2019									
9/26/2019	1.22								
10/22/2019			0.0484 (J)						
2/18/2020									
2/19/2020		<0.1015	0.0595 (J)				2.82		
2/25/2020	1.21					0.337			
2/26/2020					0.446				
4/29/2020				0.204				0.184	0.182
7/20/2020					0.369				0.222
7/21/2020									
7/23/2020			0.0482 (J)						
7/27/2020		<0.1015		0.157					
7/28/2020									
7/29/2020	1.16								
3/30/2021					0.399	0.231	2.85	0.143	0.208
4/5/2021	1.2	<0.1015		0.171					
4/6/2021			0.0485 (J)						
4/7/2021									
9/22/2021						0.145			0.18
9/27/2021		<0.1015			0.401				
9/28/2021	1.16								
9/29/2021			0.0481 (J)	0.155			2.81	0.117	
4/26/2022	1.22				0.417	0.129			0.162
4/27/2022				0.124			3	0.22	
5/2/2022			0.0502 (J)						
5/3/2022		<0.1015							

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.193	1.82
5/17/2016		0.201	
5/23/2016			2.11
7/11/2016		0.375	
7/14/2016			2.18
9/13/2016			2.13
9/14/2016		0.507	
11/15/2016			2.22
11/16/2016		0.655	
2/28/2017		0.364	
3/1/2017			2.24
5/23/2017			2.2
5/24/2017		0.352	
6/19/2017			
6/20/2017			2.2
6/21/2017		0.263	
8/15/2017		0.23	2.16
4/17/2018			2.22
4/19/2018		0.305	
10/1/2018			2.64
10/3/2018		0.952	
2/26/2019			
4/2/2019		0.271	1.78
9/17/2019		0.619	
9/18/2019			2.31
9/26/2019			
10/22/2019			
2/18/2020		0.281	
2/19/2020			
2/25/2020			
2/26/2020			0.84
4/29/2020	0.317		
7/20/2020	0.393		
7/21/2020			
7/23/2020			
7/27/2020		0.3	
7/28/2020			2.05
7/29/2020			
3/30/2021	0.526		
4/5/2021		0.2	
4/6/2021			
4/7/2021			0.885
9/22/2021			
9/27/2021	0.51	0.149	0.721
9/28/2021			
9/29/2021			
4/26/2022	0.434		
4/27/2022			
5/2/2022		0.109	
5/3/2022			0.562

Time Series

Constituent: Boron (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			0.161						
3/30/2016	2.89	1.85							
4/4/2016				<0.1015					
5/19/2016	2.84	1.66							
5/23/2016			0.197	<0.1015					
7/12/2016			0.17	<0.1015					
7/13/2016	2.41	1.58							
9/13/2016	2.06	0.674	0.114	<0.1015					
11/15/2016	2.08	1.72	0.0853 (J)	0.0256 (J)					
2/28/2017			0.0452 (J)	0.021 (J)					
3/1/2017	2.25	1.84							
5/23/2017	2.11	1.69							
5/24/2017			0.113	<0.1015					
6/20/2017	2.5	1.75	0.0853 (J)	<0.1015					
8/15/2017	1.34	1.68	0.0862 (J)						
8/16/2017				<0.1015 (U*)					
4/17/2018	2.74	1.81	0.0649 (J)	0.0386 (J)					
10/1/2018			0.03 (J)	<0.1015					
10/4/2018	2.38	2.34							
4/1/2019			0.0345 (J)	<0.1015					
4/2/2019	2.66	1.64							
9/17/2019			0.0439 (J)	<0.1015					
9/18/2019	2.68	2.16							
2/17/2020				<0.1015					
2/25/2020			<0.1015						
2/26/2020	2.94	1.99							
7/28/2020	2.79	1.81							
7/29/2020			<0.1015	<0.1015					
4/5/2021				0.0314 (J)					
4/6/2021			0.0327 (J)						
4/7/2021	2.4	1.9							
4/12/2021					<0.1015	0.0342 (J)	<0.1015	<0.1015	
4/13/2021									<0.1015
9/21/2021			<0.1015	<0.1015	<0.1015	<0.1015	<0.1015	<0.1015	<0.1015
9/27/2021	2.03	1.52							
4/19/2022					<0.1015	<0.1015	<0.1015	<0.1015	<0.1015
5/2/2022			0.0313 (J)	<0.1015					
5/3/2022	1.81	1.3							

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00133	<0.0002			
3/29/2016							<0.0002		0.000357 (J)
3/30/2016	<0.0002	<0.0002	<0.0002	<0.0002					
5/17/2016	<0.0002				<0.0002		<0.0002		0.000216 (J)
5/18/2016		<0.0002	<0.0002	<0.0002					
5/19/2016						<0.0002			
7/11/2016					<0.0002	<0.0002			
7/13/2016	<0.0002	<0.0002	<0.0002						
7/14/2016				<0.0002			<0.0002		0.000277 (J)
7/18/2016									
8/22/2016						<0.0002			
9/12/2016			<0.0002	<0.0002					
9/13/2016	<0.0002	<0.0002			<0.0002		<0.0002		0.000203 (J)
9/14/2016						<0.0002			
11/14/2016		<0.0002	<0.0002	<0.0002			<0.0002		
11/15/2016	<0.0002				<0.0002	<0.0002			
11/16/2016									0.00027 (J)
1/3/2017						<0.0002			
2/27/2017					<0.0002	<0.0002			
2/28/2017	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002		0.000351 (J)
5/22/2017	<0.0002	<0.0002					<0.0002		
5/24/2017			<0.0002	<0.0002	<0.0002		<0.0002		0.000339 (J)
6/19/2017	<0.0002	<0.0002					<0.0002		0.000318 (J)
6/20/2017						<0.0002			
6/21/2017			<0.0002	<0.0002	<0.0002				
1/9/2018		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
1/10/2018	<0.0002								
4/16/2018	<0.0002	<0.0002	<0.0002						
4/19/2018				<0.0002	<0.0002	<0.0002	<0.0002		0.000415 (J)
10/1/2018							<0.0002		0.000491 (J)
10/2/2018	<0.0002								
10/4/2018		<0.0002	<0.0002						
10/5/2018				<0.0002	<0.0002	<0.0002			
12/17/2018									
2/25/2019								<0.0002	
2/27/2019									
4/3/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		0.00051 (J)
5/7/2019						<0.0002			
9/16/2019	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	
9/17/2019				<0.0002	<0.0002				<0.0002
9/18/2019						<0.0002			
2/17/2020	<0.0002	<0.0002							
2/18/2020			<0.0002						
2/19/2020				<0.0002	<0.0002				
2/25/2020						<0.0002	<0.0002	<0.0002	
2/26/2020									<0.0002
7/22/2020	<0.0002	<0.0002							
7/23/2020					<0.0002				
7/27/2020			<0.0002	<0.0002					
7/28/2020						<0.0002	<0.0002	<0.0002	
7/29/2020									<0.0002
4/5/2021	<0.0002	<0.0002	<0.0002				9.99E-05 (J)	8.25E-05 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.0002	<0.0002	<0.0002			0.000391
9/21/2021	<0.0002	<0.0002							
9/22/2021			<0.0002	<0.0002	<0.0002				
9/28/2021						<0.0002	<0.0002	8E-05 (J)	
9/29/2021									0.00034
4/20/2022									0.00048
4/26/2022									
4/27/2022					<0.0002		8E-05 (J)	0.00012 (J)	
5/2/2022	<0.0002	<0.0002		<0.0002		<0.0002			
5/3/2022			<0.0002						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.0002
3/30/2016			
5/17/2016			<0.0002
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.0002
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.0002
11/14/2016			<0.0002
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.0002
5/22/2017			
5/24/2017			<0.0002
6/19/2017			<0.0002
6/20/2017			
6/21/2017			
1/9/2018			<0.0002
1/10/2018			
4/16/2018			
4/19/2018			<0.0002
10/1/2018			<0.0002
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.0002		
2/25/2019			
2/27/2019		0.000302 (J)	
4/3/2019			<0.0002
5/7/2019			
9/16/2019			
9/17/2019		<0.0002	
9/18/2019	<0.0002		<0.0002
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.0002
2/26/2020	<0.0002	<0.0002	
7/22/2020			<0.0002
7/23/2020	<0.0002	<0.0002	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.000173 (J)	0.000249	<0.0002
9/21/2021			
9/22/2021			
9/28/2021			<0.0002
9/29/2021	0.0001 (J)	0.00017 (J)	
4/20/2022	0.00017 (J)		
4/26/2022		0.00031	<0.0002
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.0002	<0.0002							
3/29/2016			<0.0002						
5/18/2016	<0.0002	<0.0002	<0.0002						
7/11/2016		<0.0002							
7/13/2016	<0.0002		<0.0002			<0.0002			
7/14/2016							<0.0002		
8/22/2016						<0.0002	<0.0002		
9/13/2016	<0.0002					<0.0002	<0.0002		
9/14/2016		<0.0002	<0.0002						
11/14/2016			<0.0002						
11/15/2016						<0.0002	<0.0002		
11/16/2016	<0.0002	<0.0002							
1/3/2017						<0.0002	<0.0002		
2/27/2017	<0.0002								
2/28/2017			<0.0002						
3/1/2017		<0.0002				<0.0002	<0.0002		
5/22/2017	<0.0002								
5/23/2017		<0.0002				<0.0002	<0.0002		
5/24/2017			<0.0002						
6/19/2017		<0.0002	<0.0002						
6/20/2017						<0.0002	<0.0002		
6/21/2017	<0.0002								
1/9/2018			<0.0002					<0.0002	
1/10/2018	<0.0002	<0.0002				<0.0002			
4/17/2018						<0.0002	<0.0002		
4/19/2018	<0.0002	<0.0002	<0.0002						
10/1/2018			<0.0002						
10/2/2018	<0.0002								
10/3/2018		<0.0002							
10/4/2018						<0.0002	<0.0002		
12/5/2018								<0.0002	<0.0002
12/6/2018									
12/13/2018				<0.0002					
2/26/2019									
2/27/2019					<0.0002				
4/1/2019	<0.0002	<0.0002							
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/16/2019									
9/17/2019									<0.0002
9/18/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2020	<0.0002								
2/19/2020								<0.0002	<0.0002
2/25/2020			<0.0002	<0.0002	<0.0002				
2/26/2020						<0.0002	<0.0002		
7/21/2020								<0.0002	<0.0002
7/22/2020			<0.0002	<0.0002	<0.0002				
7/27/2020	<0.0002								
7/28/2020						<0.0002	<0.0002		
7/29/2020									
4/5/2021	<0.0002								
4/6/2021								<0.0002	<0.0002

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.0002	<0.0002		
4/12/2021			0.000123 (J)	<0.0002	<0.0002				
9/21/2021								<0.0002	<0.0002
9/22/2021	<0.0002								
9/27/2021						<0.0002	<0.0002		
9/28/2021			8E-05 (J)	<0.0002	<0.0002				
4/19/2022	<0.0002				9E-05 (J)				
4/20/2022			0.00013 (J)	<0.0002				<0.0002	<0.0002
4/27/2022									
5/2/2022									
5/3/2022						<0.0002	<0.0002		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0002	
12/6/2018	<0.0002		
12/13/2018			
2/26/2019			<0.0002
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.0002
9/17/2019			
9/18/2019	<0.0002	<0.0002	
2/18/2020			
2/19/2020	<0.0002		
2/25/2020		<0.0002	<0.0002
2/26/2020			
7/21/2020		<0.0002	
7/22/2020	<0.0002		
7/27/2020			
7/28/2020			
7/29/2020			<0.0002
4/5/2021			<0.0002
4/6/2021		<0.0002	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.0002		
4/12/2021			
9/21/2021		<0.0002	
9/22/2021	<0.0002		
9/27/2021			
9/28/2021			<0.0002
4/19/2022			
4/20/2022	<0.0002		
4/27/2022			<0.0002
5/2/2022		<0.0002	
5/3/2022			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.0002							
3/30/2016									
5/17/2016		<0.0002							
5/23/2016									
7/11/2016		<0.0002							
7/14/2016									
9/13/2016									
9/14/2016		<0.0002							
11/15/2016									
11/16/2016		<0.0002							
2/28/2017									
3/1/2017		<0.0002							
5/23/2017		<0.0002							
5/24/2017									
6/19/2017		<0.0002							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.0002							
4/17/2018									
4/19/2018		<0.0002							
10/1/2018									
10/3/2018		<0.0002							
2/26/2019	<0.0002								
4/2/2019		<0.0002							
9/17/2019	<0.0002	<0.0002							
9/18/2019									
9/26/2019	<0.0002								
10/22/2019			<0.0002						
2/18/2020									
2/19/2020		<0.0002	<0.0002				<0.0002		
2/25/2020	<0.0002					<0.0002			
2/26/2020					<0.0002				
4/29/2020				<0.0002				<0.0002	<0.0002
7/20/2020					<0.0002				<0.0002
7/21/2020						<0.0002	<0.0002	<0.0002	
7/23/2020			<0.0002						
7/27/2020		<0.0002		<0.0002					
7/28/2020									
7/29/2020	<0.0002								
3/30/2021					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/5/2021	<0.0002	<0.0002		<0.0002					
4/6/2021			<0.0002						
4/7/2021									
9/22/2021						<0.0002			<0.0002
9/27/2021		<0.0002			<0.0002				
9/28/2021	0.00015 (J)								
9/29/2021			<0.0002	<0.0002			<0.0002	<0.0002	
4/26/2022	0.00013 (J)			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/27/2022				<0.0002			<0.0002	<0.0002	
5/2/2022			<0.0002						
5/3/2022		<0.0002							

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.0002	<0.0002
5/17/2016		<0.0002	
5/23/2016			<0.0002
7/11/2016		<0.0002	
7/14/2016			<0.0002
9/13/2016			<0.0002
9/14/2016		<0.0002	
11/15/2016			<0.0002
11/16/2016		<0.0002	
2/28/2017		<0.0002	
3/1/2017			<0.0002
5/23/2017			<0.0002
5/24/2017		<0.0002	
6/19/2017			
6/20/2017			<0.0002
6/21/2017		<0.0002	
1/9/2018			<0.0002
1/10/2018		<0.0002	
4/17/2018			<0.0002
4/19/2018		<0.0002	
10/1/2018			<0.0002
10/3/2018		<0.0002	
2/26/2019			
4/2/2019		<0.0002	<0.0002
9/17/2019		<0.0002	
9/18/2019			<0.0002
9/26/2019			
10/22/2019			
2/18/2020		<0.0002	
2/19/2020			
2/25/2020			
2/26/2020			<0.0002
4/29/2020	<0.0002		
7/20/2020	<0.0002		
7/21/2020			
7/23/2020			
7/27/2020		<0.0002	
7/28/2020			<0.0002
7/29/2020			
3/30/2021	<0.0002		
4/5/2021		<0.0002	
4/6/2021			
4/7/2021			<0.0002
9/22/2021			
9/27/2021	<0.0002	<0.0002	<0.0002
9/28/2021			
9/29/2021			
4/26/2022	<0.0002		
4/27/2022			
5/2/2022		<0.0002	
5/3/2022			<0.0002

Time Series

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.0002						
3/30/2016	<0.0002	<0.0002							
4/4/2016				<0.0002					
5/19/2016	<0.0002	<0.0002							
5/23/2016			<0.0002	<0.0002					
7/12/2016			<0.0002	<0.0002					
7/13/2016	<0.0002	<0.0002							
9/13/2016	<0.0002	<0.0002	<0.0002	<0.0002					
11/15/2016	<0.0002	<0.0002	<0.0002	<0.0002					
2/28/2017			<0.0002	<0.0002					
3/1/2017	<0.0002	<0.0002							
5/23/2017	<0.0002	<0.0002							
5/24/2017			<0.0002	<0.0002					
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002					
1/10/2018	<0.0002	<0.0002	<0.0002	<0.0002					
4/17/2018	<0.0002	<0.0002	<0.0002	<0.0002					
10/1/2018			<0.0002	<0.0002					
10/4/2018	<0.0002	<0.0002							
4/1/2019			<0.0002	<0.0002					
4/2/2019	<0.0002	<0.0002							
9/17/2019			<0.0002	<0.0002					
9/18/2019	<0.0002	<0.0002							
2/17/2020				<0.0002					
2/25/2020			<0.0002						
2/26/2020	<0.0002	<0.0002							
7/28/2020	<0.0002	<0.0002							
7/29/2020			<0.0002	<0.0002					
4/5/2021				<0.0002					
4/6/2021			<0.0002						
4/7/2021	<0.0002	<0.0002							
4/12/2021					<0.0002	<0.0002	<0.0002	<0.0002	
4/13/2021									0.000855
9/21/2021			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00018 (J)
9/27/2021	<0.0002	<0.0002							
4/19/2022					<0.0002	<0.0002	<0.0002	<0.0002	0.00019 (J)
5/2/2022			<0.0002	<0.0002					
5/3/2022	<0.0002	<0.0002							

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					124	79.7			
3/29/2016							43.2		77.4
3/30/2016	38.2	36.4	63.4	46.6					
5/17/2016	33.9				74.6		41.4		70.3
5/18/2016		34.7	57.5	46.1					
5/19/2016						91.5			
7/11/2016					68.9	38.1			
7/13/2016	36.7	36.4	62.9						
7/14/2016				45.6			41.9		73
7/18/2016									
8/22/2016						37.3			
9/12/2016			60.1	44.1					
9/13/2016	38.1	35.6			80.3		39.6		70.7
9/14/2016						36.5			
11/14/2016		36.2	61.4	46			41		
11/15/2016	38				102	36.8			
11/16/2016									51.7
1/3/2017						38			
2/27/2017					77.9	36.8			
2/28/2017	39.4	35.4	62.6	45			41.8		73.1
5/22/2017	37.4	34.4				36.9			
5/24/2017			62.3	44.3	72.9		39.8		70.6
6/19/2017	37.4	34.8					40.2		67.7
6/20/2017						36.9			
6/21/2017			63	44.7	80				
8/14/2017	36.4	34.6	60.6	43.5		39.5	41.3		72.8
8/15/2017					72.1				
4/16/2018	38.7	37.4	64.6						
4/19/2018				45.8	59.6	43.4	42.3		80.8
10/1/2018							41.5		102
10/2/2018	39.7								
10/4/2018		40.8	74.5						
10/5/2018				46.8	123	163			
12/17/2018									
2/25/2019								36.8	
2/27/2019									
4/3/2019	40	44.1	67.8	46.9	63.1	209	45.7		116
5/7/2019						175			
9/16/2019	39.1	40.2	69.5				61.3	38.7	
9/17/2019				48.3	74.9				131
9/18/2019						139			
2/17/2020	39.7	41							
2/18/2020			73.1						
2/19/2020				46.7	69.9				
2/25/2020						120	50	38.8	
2/26/2020									102
7/22/2020	38.5	39							
7/23/2020					88.6				
7/27/2020			65.7	45.5					
7/28/2020						102	48.1	38.6	
7/29/2020									103
4/5/2021	40	40.1	64.8				57.6	40.4	

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				43.8	78.2	98.6			159
9/21/2021	38.4	40.9							
9/22/2021			67.3	46.6	80				
9/28/2021						92.5	65.3	42.3	
9/29/2021									177
4/20/2022									240
4/26/2022									
4/27/2022					85.3		74.9	49.3	
5/2/2022	37.8	43.4		44.1		93.2			
5/3/2022			65.3						

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			104
3/30/2016			
5/17/2016			110
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			109
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			101
11/14/2016			105
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			108
5/22/2017			
5/24/2017			102
6/19/2017			107
6/20/2017			
6/21/2017			
8/14/2017			105
8/15/2017			
4/16/2018			
4/19/2018			113
10/1/2018			123
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	79.5		
2/25/2019			
2/27/2019		55.8	
4/3/2019			139
5/7/2019			
9/16/2019			
9/17/2019		94	
9/18/2019	101		126
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			119
2/26/2020	87.1	66.6	
7/22/2020			117
7/23/2020	87	62	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	99.9	72.8	121
9/21/2021			
9/22/2021			
9/28/2021			122
9/29/2021	103	71.5	
4/20/2022	140		
4/26/2022		104	149
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	46	34.2							
3/29/2016			163						
5/18/2016	42.9	32.6	160						
7/11/2016		32.5							
7/13/2016	43.1		158			66.6			
7/14/2016							61.5		
8/22/2016						52.8	71.3		
9/13/2016	44.1					68	70.3		
9/14/2016		32.1	156						
11/14/2016			156						
11/15/2016						75.2	69		
11/16/2016	42.7	33.4							
1/3/2017						80.9	77.4		
2/27/2017	43.1								
2/28/2017			150						
3/1/2017		33.3				58	77.4		
5/22/2017	41.9								
5/23/2017		32.7				56.3	76.6		
5/24/2017			150						
6/19/2017		32.6	153						
6/20/2017						56.8	83.6		
6/21/2017	41.8								
8/14/2017	43		159						
8/15/2017		31.5				54.5	81.8		
4/17/2018						64.5	94.1		
4/19/2018	43.2	34.2	192						
10/1/2018			184						
10/2/2018	43.8								
10/3/2018		38.6							
10/4/2018						102	99.5		
12/5/2018								31.2	72.5
12/6/2018									
12/13/2018				117					
2/26/2019									
2/27/2019					115				
4/1/2019	45.6	35.8							
4/2/2019						61.1	134		
4/3/2019			206						
9/16/2019									
9/17/2019									66.8
9/18/2019	45.6	35	172	128	124	98.3	102	41.9	
2/18/2020	45.5								
2/19/2020								61.5	73.5
2/25/2020			178	123	124				
2/26/2020						95.5	95.9		
7/21/2020								37.8	64.2
7/22/2020			161	132	119				
7/27/2020	42.6								
7/28/2020						80.8	92.3		
7/29/2020									
4/5/2021	42.6								
4/6/2021								34.3	55.2

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						72.7	79.7		
4/12/2021			161	132	121				
9/21/2021								51.9	48.9
9/22/2021	42.1								
9/27/2021						73.4	77.7		
9/28/2021			170	135	127				
4/19/2022	45.6				130				
4/20/2022			182	136				34.4	62.9
4/27/2022									
5/2/2022									
5/3/2022						73	64		

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		55.9	
12/6/2018	71.2		
12/13/2018			
2/26/2019			41
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			46.7
9/17/2019			
9/18/2019	81.8	81.7	
2/18/2020			
2/19/2020	73.7		
2/25/2020		31.5	42.6
2/26/2020			
7/21/2020		54.3	
7/22/2020	67.7		
7/27/2020			
7/28/2020			
7/29/2020			39.6
4/5/2021			39.9
4/6/2021		25.9	

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	69.3		
4/12/2021			
9/21/2021		22.3	
9/22/2021	68		
9/27/2021			
9/28/2021			39.7
4/19/2022			
4/20/2022	73.2		
4/27/2022			44.4
5/2/2022		27.8	
5/3/2022			

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		31.6							
3/30/2016									
5/17/2016		29.6							
5/23/2016									
7/11/2016		30							
7/14/2016									
9/13/2016									
9/14/2016		30.6							
11/15/2016									
11/16/2016		30.4							
2/28/2017									
3/1/2017		<0.5 (o)							
5/23/2017		30.1							
5/24/2017									
6/19/2017		29.9							
6/20/2017									
6/21/2017									
8/15/2017		28.1							
4/17/2018									
4/19/2018		31.2							
10/1/2018									
10/3/2018		32.3							
2/26/2019	45								
4/2/2019		31.6							
9/17/2019	48.5	31.7							
9/18/2019									
9/26/2019	45.4								
10/22/2019			89.1						
2/18/2020									
2/19/2020		32.3	83.8				124		
2/25/2020	46.8					56.6			
2/26/2020					43.5				
4/29/2020				56.5				50	39.1
7/20/2020					69.3				43.3
7/21/2020						46.8	121	43.7	
7/23/2020			79.1						
7/27/2020		31		41.5					
7/28/2020									
7/29/2020	43.9								
3/30/2021					60.5	45.8	122	38.8	33.7
4/5/2021	44.7	30.6		33.1					
4/6/2021			78						
4/7/2021									
9/22/2021						40.4			30.3
9/27/2021		30.7			59.6				
9/28/2021	46.9								
9/29/2021			78.8	30.2			118	37.6	
4/26/2022	50.9				68.6	61.6			27.9
4/27/2022				39.7			157	54.7	
5/2/2022			78.8						
5/3/2022		29.9							

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		53.6	68.3
5/17/2016		50.5	
5/23/2016			63.1
7/11/2016		56.5	
7/14/2016			67.7
9/13/2016			67.8
9/14/2016		58	
11/15/2016			68.4
11/16/2016		61.8	
2/28/2017		56.8	
3/1/2017			71.8
5/23/2017			70.6
5/24/2017		55.5	
6/19/2017			
6/20/2017			73.8
6/21/2017		51	
8/15/2017		48.9	65.7
4/17/2018			90
4/19/2018		56.5	
10/1/2018			79.6
10/3/2018		73.5	
2/26/2019			
4/2/2019		56.9	69.8
9/17/2019		69.3	
9/18/2019			79.9
9/26/2019			
10/22/2019			
2/18/2020		55.8	
2/19/2020			
2/25/2020			
2/26/2020			46.8
4/29/2020	44.9		
7/20/2020	40.6		
7/21/2020			
7/23/2020			
7/27/2020		57	
7/28/2020			67.8
7/29/2020			
3/30/2021	40.1		
4/5/2021		52.2	
4/6/2021			
4/7/2021			53.3
9/22/2021			
9/27/2021	40.1	54.4	53.1
9/28/2021			
9/29/2021			
4/26/2022	49.4		
4/27/2022			
5/2/2022		56.8	
5/3/2022			56.6

Time Series

Constituent: Calcium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			58.2						
3/30/2016	75.7	96.4							
4/4/2016				32.3					
5/19/2016	69.7	84.5							
5/23/2016			52.1	31.3					
7/12/2016			53.6	31.6					
7/13/2016	62.7	84							
9/13/2016	48.3	58.2	53	31.2					
11/15/2016	51.8	87.9	51.5	31.5					
2/28/2017			51.4	29.7					
3/1/2017	58.4	96.8							
5/23/2017	54.8	88							
5/24/2017			50.8	30.4					
6/20/2017	67.9	87.5	49.8	30.8					
8/15/2017	52.5	89.4	51.6						
8/16/2017				30.5					
4/17/2018	77.1	100	52.2	32.9					
10/1/2018			50.8	32.4					
10/4/2018	61.2	106							
4/1/2019			50.5	32.3					
4/2/2019	80.1	115							
9/17/2019			54.5	32.7					
9/18/2019	83.9	99.1							
2/17/2020				33.2					
2/25/2020			54.7						
2/26/2020	83.1	95.8							
7/28/2020	82.5	84.9							
7/29/2020			49.4	32.4					
4/5/2021				31.7					
4/6/2021			51.1						
4/7/2021	75.5	86.8							
4/12/2021					35	22.9	26.6	23.2	
4/13/2021									11.7
9/21/2021			51.4	31.5	36.1	21.6	31.7	22.3	15.4
9/27/2021	69.2	76.2							
4/19/2022					36.4	21.6	29.4	23.3	11
5/2/2022			52.4	30.9					
5/3/2022	68.8	69							

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					2.11	21.9			
3/29/2016							10.8		14.7
3/30/2016	4.59	6.36	21.4	4.69					
5/17/2016	3.94				2.38		10		13.8
5/18/2016		5.93	19.6	4.35					
5/19/2016						20.9			
7/11/2016					2.42	23			
7/13/2016	3.32	5.93	19.6						
7/14/2016				4.33			10.1		13.8
7/18/2016									
8/22/2016						23.3			
9/12/2016			19.7	4.4					
9/13/2016	2.91	5.92			2.34		10.4		14.1
9/14/2016						23.6			
11/14/2016		5.95	19.7	4.76			10.4		
11/15/2016	2.75				2.55	23.8			
11/16/2016									14.2
1/3/2017						24.1			
2/27/2017					5.8	27			
2/28/2017	3.2	6.7	22	6.1			12		17
5/22/2017	3.7	7.1				28			
5/24/2017			22	5.4	5.9		12		17
6/19/2017	3.7	6.2					11		16
6/20/2017						27			
6/21/2017			21	5.2	3.6				
8/14/2017	3.1	6.7	21	5.6		27	12		17
8/15/2017					4.9				
4/16/2018	3.3	6.2	20						
4/19/2018				4.6	6.5	32	12		21
10/1/2018							14		30
10/2/2018	2.6								
10/4/2018		6.9	21						
10/5/2018				5.1	3.5	120			
12/17/2018									
2/25/2019								16.4	
2/27/2019									
4/3/2019	2.7	6.35	19.7	4.85	5.72	156	15.9		38
5/7/2019						180			
9/16/2019	2.54	6.49	19.8				20.4	23.5	
9/17/2019				4.83	4.16				43.2
9/18/2019						142			
2/17/2020	2.61	6.66							
2/18/2020			19.6						
2/19/2020				5.02	4.9				
2/25/2020						138	17.7	25.1	
2/26/2020									27.7
7/22/2020	2.53	6.75							
7/23/2020					3.1				
7/27/2020			19.8	5.2					
7/28/2020						110	17.4	20.7	
7/29/2020									26.5
4/5/2021	3.88	7.09	19.7				19.8	19.8	

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				5.06	3.37	105			52.8
9/21/2021	3.39	7.14							
9/22/2021			19.7	4.8	3.5				
9/28/2021						98.3	28.9	23.3	
9/29/2021									94.3
4/20/2022									186
4/26/2022									
4/27/2022					4.1		35.8	30.8	
5/2/2022	3.2	6.86		4.32		79.9			
5/3/2022			18.9						

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			11.1
3/30/2016			
5/17/2016			10.3
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			10.3
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			10.3
11/14/2016			10.3
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			12
5/22/2017			
5/24/2017			13
6/19/2017			12
6/20/2017			
6/21/2017			
8/14/2017			12
8/15/2017			
4/16/2018			
4/19/2018			12
10/1/2018			13
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	22		
2/25/2019			
2/27/2019		23.8	
4/3/2019			12.1
5/7/2019			
9/16/2019			
9/17/2019		30.8	
9/18/2019	29.6		12.2
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			12.2
2/26/2020	28.8	27.2	
7/22/2020			12.3
7/23/2020	27.9	27	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	34.4	34.5	12.4
9/21/2021			
9/22/2021			
9/28/2021			13.2
9/29/2021	41.9	39.2	
4/20/2022	59.6		
4/26/2022		71.5	13.5
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	9.86	1.73							
3/29/2016			17.2						
5/18/2016	9.4	1.4	16.2						
7/11/2016		1.73							
7/13/2016	10.3		16.2			34.8			
7/14/2016							26.9		
8/22/2016						25.1	37.6		
9/13/2016	9.68					34.1	30		
9/14/2016		2.24	16.2						
11/14/2016			16.1						
11/15/2016						40.1	22.7		
11/16/2016	10.2	3.57							
1/3/2017						38.5	26.5		
2/27/2017	12								
2/28/2017			18						
3/1/2017		3.4				23	56		
5/22/2017	12								
5/23/2017		2.4				21	48		
5/24/2017			18						
6/19/2017		1.9 (J)	18						
6/20/2017						22	58		
6/21/2017	12								
8/14/2017	12		18						
8/15/2017		5.4				21	61		
4/17/2018						29	61		
4/19/2018	11	1.8 (J)	17						
10/1/2018			19						
10/2/2018	<2								
10/3/2018		<2							
10/4/2018						58	61		
12/5/2018								69	57
12/6/2018									
1/2/2019				13					
2/26/2019									
2/27/2019					16.5				
4/1/2019	11.9	1.36							
4/2/2019						27	67.3		
4/3/2019			17.9						
9/16/2019									
9/17/2019									44.7
9/18/2019	11.6	1.53	18.7	14.7	15.9	64	46.3	60.7	
2/18/2020	11.4								
2/19/2020								64	42
2/25/2020			19	17.8	16.4				
2/26/2020						56.3	62.2		
7/21/2020								65.3	45
7/22/2020			19.3	23.1	18.5				
7/27/2020	12.1								
7/28/2020						47	66.1		
7/29/2020									
4/5/2021	12.6								
4/6/2021								58.7	30.7

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						44.8	38.9		
4/12/2021			19.8	19.2	24.4				
9/21/2021								55	20.6
9/22/2021	12.8								
9/27/2021						40.1	28.6		
9/28/2021		20	18		23.4				
4/19/2022	13.7				21.95 (D)				
4/20/2022		19.9	18					56.9	23.8
4/27/2022									
5/2/2022									
5/3/2022						30.6	14.8		

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		56	
12/6/2018	43		
1/2/2019			
2/26/2019			12.7
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			15.6
9/17/2019			
9/18/2019	41.5	56.7	
2/18/2020			
2/19/2020	43.2		
2/25/2020		22.1	16.9
2/26/2020			
7/21/2020		35	
7/22/2020	37		
7/27/2020			
7/28/2020			
7/29/2020			17.5
4/5/2021			17.2
4/6/2021		17.4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	40.3		
4/12/2021			
9/21/2021		13	
9/22/2021	29.7		
9/27/2021			
9/28/2021			18.3
4/19/2022			
4/20/2022	22.3		
4/27/2022			19.8
5/2/2022		13	
5/3/2022			

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		2.48							
3/30/2016									
5/17/2016		1.9							
5/23/2016									
7/11/2016		1.93							
7/14/2016									
9/13/2016									
9/14/2016		1.77							
11/15/2016									
11/16/2016		1.98							
2/28/2017									
3/1/2017		2.3							
5/23/2017		2.2							
5/24/2017									
6/19/2017		1.7 (J)							
6/20/2017									
6/21/2017									
8/15/2017		2.1							
4/17/2018									
4/19/2018		1.7 (J)							
10/1/2018									
10/3/2018		1.7 (J)							
2/26/2019	16.4								
4/2/2019		1.65							
9/17/2019	20.5	1.93							
9/18/2019									
9/26/2019	21.5								
10/22/2019			32.3						
2/18/2020									
2/19/2020		1.81	31.5				17.5		
2/25/2020	25.5					29.2			
2/26/2020					20.1				
4/29/2020				25.4				5.78	145
7/20/2020					43.1				209
7/21/2020									
7/23/2020			30.4						
7/27/2020		1.83		33					
7/28/2020									
7/29/2020	25.5								
3/30/2021					45.3	27	19	11.3	195
4/5/2021	25.2	1.91		30.6					
4/6/2021			34.4						
4/7/2021									
9/22/2021						21.6			168
9/27/2021		1.9			38.1				
9/28/2021	26.8								
9/29/2021			31.9	29.9			19.7	11.3	
4/26/2022	29.6				35.9	18.8			137
4/27/2022				22.8			19	8.01	
5/2/2022			31.7						
5/3/2022		1.67							

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		12.9	31.9
5/17/2016		12	
5/23/2016			29.4
7/11/2016		20.3	
7/14/2016			29.5
9/13/2016			30.8
9/14/2016		27.3	
11/15/2016			30.7
11/16/2016		37.1	
2/28/2017		27	
3/1/2017			40
5/23/2017			40
5/24/2017		28	
6/19/2017			
6/20/2017			44
6/21/2017		20	
8/15/2017		17	36
4/17/2018			63
4/19/2018		21	
10/1/2018			49
10/3/2018		21	
2/26/2019			
4/2/2019		18.3	39.9
9/17/2019		37.5	
9/18/2019			42.8
9/26/2019			
10/22/2019			
2/18/2020		19.6	
2/19/2020			
2/25/2020			
2/26/2020			17.5
4/29/2020	12.9		
7/20/2020	12.4		
7/21/2020			
7/23/2020			
7/27/2020		20.2	
7/28/2020			44.2
7/29/2020			
3/30/2021	13.1		
4/5/2021		12.8	
4/6/2021			
4/7/2021			18.8
9/22/2021			
9/27/2021	13.6	11	14.6
9/28/2021			
9/29/2021			
4/26/2022	14.1		
4/27/2022			
5/2/2022		8.75	
5/3/2022			12.8

Time Series

Constituent: Chloride (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			5.14						
3/30/2016	30.8	16.9							
4/4/2016				5.89					
5/19/2016	28.7	14.9							
5/23/2016			5.03	5.2					
7/12/2016			4.66	5.71					
7/13/2016	24.8	12.6							
9/13/2016	21.7	8.09	3.98	5.88					
11/15/2016	25.9	14.3	3.71	6.04					
2/28/2017			5.2	8.6					
3/1/2017	29	18							
5/23/2017	28	19							
5/24/2017			5.4	9.3					
6/20/2017	40	18	5	7.8					
8/15/2017	32	18	4.6						
8/16/2017				7.6					
4/17/2018	52	16	3.6	7.5					
10/1/2018			3.9	8.9					
10/4/2018	50	25							
4/1/2019			3.9	8.42					
4/2/2019	66	15.7							
9/17/2019			3.96	8.59					
9/18/2019	65.3	29.5							
2/17/2020				8.74					
2/25/2020			3.81						
2/26/2020	69.7	28							
7/28/2020	64.2	22.3							
7/29/2020			3.77	8.93					
4/5/2021				9.25					
4/6/2021			3.9						
4/7/2021	45.5	22.4							
4/12/2021					2.91	4.13	3.05	5.88	
4/13/2021									4.18
9/21/2021			3.8	9.17	2.94	2.19	2.78	6.09	3.99
9/27/2021	45.3	16.5							
4/19/2022					2.22	2.03	2.71	5.24	3.8
5/2/2022			3.33	8.5					
5/3/2022	26.9	12.6							

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00577 (J)	<0.00102			
3/29/2016							<0.00102		<0.00102
3/30/2016	<0.00102	<0.00102	<0.00102	<0.00102					
5/17/2016	<0.00102				<0.00102		<0.00102		<0.00102
5/18/2016		<0.00102	<0.00102	<0.00102					
5/19/2016						<0.00102			
7/11/2016					<0.00102	<0.00102			
7/13/2016	<0.00102	<0.00102	<0.00102						
7/14/2016				<0.00102			<0.00102		<0.00102
7/18/2016									
8/22/2016						<0.00102			
9/12/2016			<0.00102	<0.00102					
9/13/2016	<0.00102	<0.00102			<0.00102		<0.00102		<0.00102
9/14/2016						<0.00102			
11/14/2016		<0.00102	<0.00102	<0.00102			<0.00102		
11/15/2016	<0.00102				<0.00102	<0.00102			
11/16/2016									<0.00102
1/3/2017						<0.00102			
2/27/2017					<0.00102	<0.00102			
2/28/2017	<0.00102	<0.00102	<0.00102	<0.00102			<0.00102		<0.00102
5/22/2017	<0.00102	<0.00102				<0.00102			
5/24/2017			<0.00102	<0.00102	<0.00102		<0.00102		<0.00102
6/19/2017	<0.00102	<0.00102					<0.00102		<0.00102
6/20/2017						<0.00102			
6/21/2017			<0.00102	<0.00102	<0.00102				
1/9/2018		<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
1/10/2018	<0.00102								
4/16/2018	<0.00102	<0.00102	<0.00102						
4/19/2018				<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
10/1/2018							<0.00102		<0.00102
10/2/2018	<0.00102								
10/4/2018		<0.00102	<0.00102						
10/5/2018				<0.00102	<0.00102	<0.00102			
12/17/2018									
2/25/2019								<0.00102	
2/27/2019									
4/3/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
5/7/2019						<0.00102			
9/16/2019	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	
9/17/2019				<0.00102	<0.00102				<0.00102
9/18/2019						<0.00102			
2/17/2020	<0.00102	<0.00102							
2/18/2020			<0.00102						
2/19/2020				<0.00102	<0.00102				
2/25/2020						<0.00102	<0.00102	<0.00102	
2/26/2020									<0.00102
7/22/2020	<0.00102	<0.00102							
7/23/2020					<0.00102				
7/27/2020			<0.00102	<0.00102					
7/28/2020						<0.00102	<0.00102	<0.00102	
7/29/2020									<0.00102
4/5/2021	0.000275 (J)	0.000743 (J)	0.000278 (J)				0.000319 (J)	0.00044 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000353 (J)	0.000234 (J)	0.000777 (J)			0.000347 (J)
9/21/2021	0.00025 (J)	0.00092 (J)							
9/22/2021			0.00039 (J)	0.00032 (J)	0.0003 (J)				
9/28/2021						0.00031 (J)	0.00032 (J)	0.00033 (J)	
9/29/2021									0.00028 (J)
4/20/2022									0.00037 (J)
4/26/2022									
4/27/2022					0.00025 (J)		0.00021 (J)	0.00025 (J)	
5/2/2022	0.00026 (J)	0.00065 (J)		0.00027 (J)		0.00027 (J)			
5/3/2022			<0.00102						

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.00102
3/30/2016			
5/17/2016			<0.00102
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.00102
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.00102
11/14/2016			<0.00102
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.00102
5/22/2017			
5/24/2017			<0.00102
6/19/2017			<0.00102
6/20/2017			
6/21/2017			
1/9/2018			<0.00102
1/10/2018			
4/16/2018			
4/19/2018			<0.00102
10/1/2018			<0.00102
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.00102		
2/25/2019			
2/27/2019		<0.00102	
4/3/2019			<0.00102
5/7/2019			
9/16/2019			
9/17/2019		<0.00102	
9/18/2019	<0.00102		<0.00102
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.00102
2/26/2020	<0.00102	<0.00102	
7/22/2020			<0.00102
7/23/2020	<0.00102	<0.00102	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.000346 (J)	0.000443 (J)	0.000334 (J)
9/21/2021			
9/22/2021			
9/28/2021			0.00029 (J)
9/29/2021	0.00027 (J)	0.00033 (J)	
4/20/2022	0.00027 (J)		
4/26/2022		0.00024 (J)	0.00024 (J)
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.00102	<0.00102							
3/29/2016			<0.00102						
5/18/2016	<0.00102	<0.00102	<0.00102						
7/11/2016		<0.00102							
7/13/2016	<0.00102		<0.00102			<0.00102			
7/14/2016							<0.00102		
8/22/2016						<0.00102	<0.00102		
9/13/2016	<0.00102					<0.00102	<0.00102		
9/14/2016		<0.00102	<0.00102						
11/14/2016			<0.00102						
11/15/2016						<0.00102	<0.00102		
11/16/2016	<0.00102	<0.00102							
1/3/2017						<0.00102	<0.00102		
2/27/2017	<0.00102								
2/28/2017			<0.00102						
3/1/2017		<0.00102				<0.00102	<0.00102		
5/22/2017	<0.00102								
5/23/2017		<0.00102				<0.00102	<0.00102		
5/24/2017			<0.00102						
6/19/2017		<0.00102	<0.00102						
6/20/2017						<0.00102	<0.00102		
6/21/2017	<0.00102								
1/9/2018			<0.00102					<0.00102	
1/10/2018	<0.00102	<0.00102				<0.00102			
4/17/2018						<0.00102	<0.00102		
4/19/2018	<0.00102	<0.00102	<0.00102						
10/1/2018			<0.00102						
10/2/2018	<0.00102								
10/3/2018		<0.00102							
10/4/2018						<0.00102	<0.00102		
12/5/2018								<0.00102	<0.00102
12/6/2018									
12/13/2018				<0.00102					
2/26/2019									
2/27/2019					<0.00102				
4/1/2019	<0.00102	<0.00102							
4/2/2019						<0.00102	<0.00102		
4/3/2019			<0.00102						
9/16/2019									
9/17/2019									<0.00102
9/18/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	
2/18/2020	<0.00102								
2/19/2020								<0.00102	<0.00102
2/25/2020			<0.00102	<0.00102	<0.00102				
2/26/2020						<0.00102	<0.00102		
7/21/2020								<0.00102	<0.00102
7/22/2020			<0.00102	<0.00102	<0.00102				
7/27/2020	<0.00102								
7/28/2020						<0.00102	<0.00102		
7/29/2020									
4/5/2021	0.000316 (J)								
4/6/2021								0.000305 (J)	0.000261 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.00032 (J)	0.000307 (J)		
4/12/2021			0.00038 (J)	0.000305 (J)	0.000634 (J)				
9/21/2021								0.00043 (J)	0.00031 (J)
9/22/2021	0.00024 (J)								
9/27/2021						0.00037 (J)	0.00031 (J)		
9/28/2021			0.00029 (J)	0.0003 (J)	0.00155				
4/19/2022	0.0003 (J)				0.00174				
4/20/2022			0.00186	0.00024 (J)				0.00029 (J)	0.00026 (J)
4/27/2022									
5/2/2022									
5/3/2022						<0.00102	0.00026 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.00102	
12/6/2018	<0.00102		
12/13/2018			
2/26/2019			<0.00102
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.00102
9/17/2019			
9/18/2019	<0.00102	<0.00102	
2/18/2020			
2/19/2020	<0.00102		
2/25/2020		<0.00102	<0.00102
2/26/2020			
7/21/2020		<0.00102	
7/22/2020	<0.00102		
7/27/2020			
7/28/2020			
7/29/2020			<0.00102
4/5/2021			0.000648 (J)
4/6/2021		0.000362 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.0003 (J)		
4/12/2021			
9/21/2021		0.00027 (J)	
9/22/2021	0.00033 (J)		
9/27/2021			
9/28/2021			0.00032 (J)
4/19/2022			
4/20/2022	0.00038 (J)		
4/27/2022			0.00036 (J)
5/2/2022		0.00027 (J)	
5/3/2022			

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.00102							
3/30/2016									
5/17/2016		<0.00102							
5/23/2016									
7/11/2016		<0.00102							
7/14/2016									
9/13/2016									
9/14/2016		<0.00102							
11/15/2016									
11/16/2016		<0.00102							
2/28/2017									
3/1/2017		<0.00102							
5/23/2017		<0.00102							
5/24/2017									
6/19/2017		<0.00102							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.00102							
4/17/2018									
4/19/2018		<0.00102							
10/1/2018									
10/3/2018		<0.00102							
2/26/2019	<0.00102								
4/2/2019		<0.00102							
9/17/2019	<0.00102	<0.00102							
9/18/2019									
9/26/2019	<0.00102								
10/22/2019			<0.00102						
2/18/2020									
2/19/2020		<0.00102	<0.00102				<0.00102		
2/25/2020	<0.00102					<0.00102			
2/26/2020					<0.00102				
4/29/2020				<0.00102				<0.00102	<0.00102
7/20/2020					<0.00102				<0.00102
7/21/2020						<0.00102	<0.00102	<0.00102	
7/23/2020			<0.00102						
7/27/2020		<0.00102		<0.00102					
7/28/2020									
7/29/2020	<0.00102								
3/30/2021					0.000277 (J)	0.000264 (J)	0.000281 (J)	0.000237 (J)	0.000287 (J)
4/5/2021	0.000293 (J)	0.00065 (J)		0.000397 (J)					
4/6/2021			0.000317 (J)						
4/7/2021									
9/22/2021						0.00023 (J)			0.00029 (J)
9/27/2021		0.0005 (J)			0.00029 (J)				
9/28/2021	0.00033 (J)								
9/29/2021			0.00038 (J)	0.00026 (J)			0.00032 (J)	0.00023 (J)	
4/26/2022	0.00024 (J)				0.0002 (J)	0.00032 (J)			<0.00102
4/27/2022				<0.00102			<0.00102	<0.00102	
5/2/2022			0.00021 (J)						
5/3/2022		0.00044 (J)							

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.00322 (J)	<0.00102
5/17/2016		<0.00102	
5/23/2016			<0.00102
7/11/2016		<0.00102	
7/14/2016			<0.00102
9/13/2016			<0.00102
9/14/2016		<0.00102	
11/15/2016			<0.00102
11/16/2016		<0.00102	
2/28/2017		<0.00102	
3/1/2017			<0.00102
5/23/2017			<0.00102
5/24/2017		<0.00102	
6/19/2017			
6/20/2017			<0.00102
6/21/2017		<0.00102	
1/9/2018			<0.00102
1/10/2018		<0.00102	
4/17/2018			<0.00102
4/19/2018		<0.00102	
10/1/2018			<0.00102
10/3/2018		<0.00102	
2/26/2019			
4/2/2019		<0.00102	<0.00102
9/17/2019		<0.00102	
9/18/2019			<0.00102
9/26/2019			
10/22/2019			
2/18/2020		<0.00102	
2/19/2020			
2/25/2020			
2/26/2020			<0.00102
4/29/2020	<0.00102		
7/20/2020	<0.00102		
7/21/2020			
7/23/2020			
7/27/2020		<0.00102	
7/28/2020			<0.00102
7/29/2020			
3/30/2021	0.000245 (J)		
4/5/2021		0.000909 (J)	
4/6/2021			
4/7/2021			0.000278 (J)
9/22/2021			
9/27/2021	0.00038 (J)	0.00082 (J)	0.00036 (J)
9/28/2021			
9/29/2021			
4/26/2022	<0.00102		
4/27/2022			
5/2/2022		0.00074 (J)	
5/3/2022			0.00033 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.00102						
3/30/2016	<0.00102	<0.00102							
4/4/2016				<0.00102					
5/19/2016	<0.00102	<0.00102							
5/23/2016			<0.00102	<0.00102					
7/12/2016			<0.00102	<0.00102					
7/13/2016	<0.00102	<0.00102							
9/13/2016	<0.00102	<0.00102	<0.00102	<0.00102					
11/15/2016	<0.00102	<0.00102	<0.00102	<0.00102					
2/28/2017			<0.00102	<0.00102					
3/1/2017	<0.00102	<0.00102							
5/23/2017	<0.00102	<0.00102							
5/24/2017			<0.00102	<0.00102					
6/20/2017	<0.00102	<0.00102	<0.00102	<0.00102					
1/10/2018	<0.00102	<0.00102	0.00395 (J)	<0.00102					
4/17/2018	<0.00102	<0.00102	<0.00102	<0.00102					
10/1/2018			<0.00102	<0.00102					
10/4/2018	<0.00102	<0.00102							
4/1/2019			<0.00102	<0.00102					
4/2/2019	<0.00102	<0.00102							
9/17/2019			<0.00102	<0.00102					
9/18/2019	<0.00102	<0.00102							
2/17/2020				<0.00102					
2/25/2020			<0.00102						
2/26/2020	<0.00102	<0.00102							
7/28/2020	<0.00102	<0.00102							
7/29/2020			<0.00102	<0.00102					
4/5/2021				0.000295 (J)					
4/6/2021			0.000333 (J)						
4/7/2021	0.000259 (J)	0.000506 (J)							
4/12/2021					0.000345 (J)	0.000871 (J)	0.000441 (J)	0.000599 (J)	
4/13/2021									0.000307 (J)
9/21/2021			0.00031 (J)	0.00032 (J)	0.00033 (J)	0.00113	0.00045 (J)	0.00079 (J)	0.0005 (J)
9/27/2021	0.00035 (J)	0.00037 (J)							
4/19/2022					0.0003 (J)	0.00106	0.00048 (J)	0.00066 (J)	0.00048 (J)
5/2/2022			0.00031 (J)	0.00029 (J)					
5/3/2022	0.0003 (J)	0.00035 (J)							

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00969 (J)	0.00396 (J)			
3/29/2016							<0.0002		<0.0002
3/30/2016	<0.0002	<0.0002	<0.0002	<0.0002					
5/17/2016	<0.0002				<0.0002		<0.0002		<0.0002
5/18/2016		<0.0002	<0.0002	<0.0002					
5/19/2016						0.00207 (J)			
7/11/2016					<0.0002	<0.0002			
7/13/2016	<0.0002	<0.0002	<0.0002						
7/14/2016				<0.0002			<0.0002		<0.0002
7/18/2016									
8/22/2016						<0.0002			
9/12/2016			<0.0002	<0.0002					
9/13/2016	<0.0002	<0.0002			<0.0002		<0.0002		<0.0002
9/14/2016						<0.0002			
11/14/2016		<0.0002	<0.0002	<0.0002			<0.0002		
11/15/2016	<0.0002				<0.0002	<0.0002			
11/16/2016									<0.0002
1/3/2017						<0.0002			
2/27/2017					<0.0002	<0.0002			
2/28/2017	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002		<0.0002
5/22/2017	<0.0002	<0.0002				<0.0002			
5/24/2017			<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
6/19/2017	<0.0002	<0.0002					<0.0002		<0.0002
6/20/2017						<0.0002			
6/21/2017			<0.0002	<0.0002	<0.0002				
1/9/2018		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
1/10/2018	<0.0002								
4/16/2018	<0.0002	<0.0002	<0.0002						
4/19/2018				<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/1/2018							<0.0002		<0.0002
10/2/2018	<0.0002								
10/4/2018		<0.0002	<0.0002						
10/5/2018				<0.0002	<0.0002	<0.0002			
12/17/2018									
2/25/2019								<0.0002	
2/27/2019									
4/3/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
5/7/2019						<0.0002			
9/16/2019	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	
9/17/2019				<0.0002	<0.0002				<0.0002
9/18/2019						<0.0002			
2/17/2020	<0.0002	<0.0002							
2/18/2020			<0.0002						
2/19/2020				<0.0002	<0.0002				
2/25/2020						<0.0002	<0.0002	<0.0002	
2/26/2020									<0.0002
7/22/2020	<0.0002	<0.0002							
7/23/2020					<0.0002				
7/27/2020			<0.0002	<0.0002					
7/28/2020						<0.0002	<0.0002	<0.0002	
7/29/2020									<0.0002
4/5/2021	<0.0002	<0.0002	0.000113 (J)				0.000679	0.000888	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000142 (J)	<0.0002	0.000352			<0.0002
9/21/2021	<0.0002	<0.0002							
9/22/2021			0.00016 (J)	<0.0002	<0.0002				
9/28/2021						0.0004	0.00095	0.00087	
9/29/2021									<0.0002
4/20/2022									<0.0002
4/26/2022									
4/27/2022					<0.0002		0.0007	0.00099	
5/2/2022	<0.0002	<0.0002		0.00014 (J)		0.00027			
5/3/2022			0.00022						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.0002
3/30/2016			
5/17/2016			<0.0002
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.0002
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.0002
11/14/2016			<0.0002
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.0002
5/22/2017			
5/24/2017			<0.0002
6/19/2017			<0.0002
6/20/2017			
6/21/2017			
1/9/2018			<0.0002
1/10/2018			
4/16/2018			
4/19/2018			<0.0002
10/1/2018			<0.0002
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.00461 (J)		
2/25/2019			
2/27/2019		<0.0002	
4/3/2019			<0.0002
5/7/2019			
9/16/2019			
9/17/2019		<0.0002	
9/18/2019	0.00327 (J)		<0.0002
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.0002
2/26/2020	0.00265 (J)	<0.0002	
7/22/2020			<0.0002
7/23/2020	0.00251 (J)	<0.0002	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.00202	0.0001 (J)	0.000633
9/21/2021			
9/22/2021			
9/28/2021			0.00132
9/29/2021	0.00206	<0.0002	
4/20/2022	0.00247		
4/26/2022		7E-05 (J)	0.0016
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.0002	<0.0002							
3/29/2016			<0.0002						
5/18/2016	<0.0002	<0.0002	<0.0002						
7/11/2016		<0.0002							
7/13/2016	<0.0002		<0.0002			<0.0002			
7/14/2016							<0.0002		
8/22/2016						<0.0002	<0.0002		
9/13/2016	<0.0002					<0.0002	<0.0002		
9/14/2016		<0.0002	<0.0002						
11/14/2016			<0.0002						
11/15/2016						<0.0002	<0.0002		
11/16/2016	<0.0002	<0.0002							
1/3/2017						<0.0002	<0.0002		
2/27/2017	<0.0002								
2/28/2017			<0.0002						
3/1/2017		<0.0002				<0.0002	<0.0002		
5/22/2017	<0.0002								
5/23/2017		<0.0002				<0.0002	<0.0002		
5/24/2017			<0.0002						
6/19/2017		<0.0002	<0.0002						
6/20/2017						<0.0002	<0.0002		
6/21/2017	<0.0002								
1/9/2018			<0.0002					<0.0002	
1/10/2018	<0.0002	<0.0002				<0.0002			
4/17/2018						<0.0002	<0.0002		
4/19/2018	<0.0002	<0.0002	<0.0002						
10/1/2018			<0.0002						
10/2/2018	<0.0002								
10/3/2018		<0.0002							
10/4/2018						<0.0002	<0.0002		
12/5/2018								<0.0002	<0.0002
12/6/2018									
12/13/2018				0.00427 (J)					
2/26/2019									
2/27/2019					<0.0002				
4/1/2019	<0.0002	<0.0002							
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/16/2019									
9/17/2019									<0.0002
9/18/2019	<0.0002	<0.0002	<0.0002	0.00207 (J)	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2020	<0.0002								
2/19/2020								<0.0002	<0.0002
2/25/2020			<0.0002	<0.0002	<0.0002				
2/26/2020						<0.0002	<0.0002		
7/21/2020								<0.0002	<0.0002
7/22/2020			<0.0002	<0.0002	<0.0002				
7/27/2020	<0.0002								
7/28/2020						<0.0002	<0.0002		
7/29/2020									
4/5/2021	9.07E-05 (J)								
4/6/2021								<0.0002	<0.0002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.000374	0.000333		
4/12/2021			<0.0002	0.000454	<0.0002				
9/21/2021								<0.0002	<0.0002
9/22/2021	0.00011 (J)								
9/27/2021						0.00024	0.00031		
9/28/2021			<0.0002	0.00054	0.00022				
4/19/2022	0.00017 (J)				0.00033				
4/20/2022			<0.0002	0.0005				<0.0002	<0.0002
4/27/2022									
5/2/2022									
5/3/2022						0.00116	0.00015 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0002	
12/6/2018	<0.0002		
12/13/2018			
2/26/2019			<0.0002
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.0002
9/17/2019			
9/18/2019	<0.0002	<0.0002	
2/18/2020			
2/19/2020	<0.0002		
2/25/2020		<0.0002	<0.0002
2/26/2020			
7/21/2020		<0.0002	
7/22/2020	<0.0002		
7/27/2020			
7/28/2020			
7/29/2020			<0.0002
4/5/2021			0.000304
4/6/2021		<0.0002	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.0002		
4/12/2021			
9/21/2021		<0.0002	
9/22/2021	<0.0002		
9/27/2021			
9/28/2021			0.00019 (J)
4/19/2022			
4/20/2022	<0.0002		
4/27/2022			0.00035
5/2/2022		<0.0002	
5/3/2022			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:35 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.0002							
3/30/2016									
5/17/2016		<0.0002							
5/23/2016									
7/11/2016		<0.0002							
7/14/2016									
9/13/2016									
9/14/2016		<0.0002							
11/15/2016									
11/16/2016		<0.0002							
2/28/2017									
3/1/2017		<0.0002							
5/23/2017		<0.0002							
5/24/2017									
6/19/2017		<0.0002							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.0002							
4/17/2018									
4/19/2018		<0.0002							
10/1/2018									
10/3/2018		<0.0002							
2/26/2019	<0.0002								
4/2/2019		<0.0002							
9/17/2019	<0.0002	<0.0002							
9/18/2019									
9/26/2019	<0.0002								
10/22/2019			<0.0002						
2/18/2020									
2/19/2020		<0.0002	<0.0002				<0.0002		
2/25/2020	<0.0002					<0.0002			
2/26/2020					<0.0002				
4/29/2020				<0.0002				<0.0002	<0.0002
7/20/2020					<0.0002				<0.0002
7/21/2020						<0.0002	<0.0002	<0.0002	
7/23/2020			<0.0002						
7/27/2020		<0.0002		<0.0002					
7/28/2020									
7/29/2020	<0.0002								
3/30/2021					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/5/2021	<0.0002	<0.0002		<0.0002					
4/6/2021			0.00127						
4/7/2021									
9/22/2021						<0.0002			<0.0002
9/27/2021		<0.0002			<0.0002				
9/28/2021	<0.0002								
9/29/2021			0.00112	<0.0002			<0.0002	<0.0002	
4/26/2022	<0.0002				<0.0002	8E-05 (J)			<0.0002
4/27/2022				<0.0002			<0.0002	<0.0002	
5/2/2022			0.00125						
5/3/2022		<0.0002							

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.0002	<0.0002
5/17/2016		<0.0002	
5/23/2016			<0.0002
7/11/2016		<0.0002	
7/14/2016			<0.0002
9/13/2016			<0.0002
9/14/2016		<0.0002	
11/15/2016			<0.0002
11/16/2016		<0.0002	
2/28/2017		<0.0002	
3/1/2017			<0.0002
5/23/2017			<0.0002
5/24/2017		<0.0002	
6/19/2017			
6/20/2017			<0.0002
6/21/2017		<0.0002	
1/9/2018			<0.0002
1/10/2018		<0.0002	
4/17/2018			<0.0002
4/19/2018		<0.0002	
10/1/2018			<0.0002
10/3/2018		<0.0002	
2/26/2019			
4/2/2019		<0.0002	<0.0002
9/17/2019		<0.0002	
9/18/2019			<0.0002
9/26/2019			
10/22/2019			
2/18/2020		<0.0002	
2/19/2020			
2/25/2020			
2/26/2020			<0.0002
4/29/2020	<0.0002		
7/20/2020	<0.0002		
7/21/2020			
7/23/2020			
7/27/2020		<0.0002	
7/28/2020			<0.0002
7/29/2020			
3/30/2021	<0.0002		
4/5/2021		<0.0002	
4/6/2021			
4/7/2021			9.62E-05 (J)
9/22/2021			
9/27/2021	<0.0002	<0.0002	<0.0002
9/28/2021			
9/29/2021			
4/26/2022	<0.0002		
4/27/2022			
5/2/2022		<0.0002	
5/3/2022			9E-05 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.0002						
3/30/2016	<0.0002	<0.0002							
4/4/2016				<0.0002					
5/19/2016	<0.0002	<0.0002							
5/23/2016			<0.0002	<0.0002					
7/12/2016			<0.0002	<0.0002					
7/13/2016	<0.0002	<0.0002							
9/13/2016	<0.0002	<0.0002	<0.0002	<0.0002					
11/15/2016	<0.0002	<0.0002	<0.0002	<0.0002					
2/28/2017			<0.0002	<0.0002					
3/1/2017	<0.0002	<0.0002							
5/23/2017	<0.0002	<0.0002							
5/24/2017			<0.0002	<0.0002					
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002					
1/10/2018	<0.0002	<0.0002	<0.0002	<0.0002					
4/17/2018	<0.0002	<0.0002	<0.0002	<0.0002					
10/1/2018			<0.0002	<0.0002					
10/4/2018	<0.0002	<0.0002							
4/1/2019			<0.0002	<0.0002					
4/2/2019	<0.0002	<0.0002							
9/17/2019			<0.0002	<0.0002					
9/18/2019	<0.0002	<0.0002							
2/17/2020				<0.0002					
2/25/2020			<0.0002						
2/26/2020	<0.0002	<0.0002							
7/28/2020	<0.0002	<0.0002							
7/29/2020			<0.0002	<0.0002					
4/5/2021				<0.0002					
4/6/2021			9.45E-05 (J)						
4/7/2021	<0.0002	<0.0002							
4/12/2021					<0.0002	0.000109 (J)	0.000167 (J)	9.61E-05 (J)	
4/13/2021									0.00168
9/21/2021			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	8E-05 (J)	<0.0002
9/27/2021	<0.0002	<0.0002							
4/19/2022					<0.0002	<0.0002	8E-05 (J)	0.00013 (J)	0.00018 (J)
5/2/2022			<0.0002	<0.0002					
5/3/2022	<0.0002	<0.0002							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					3 (U)	3 (U)			
3/29/2016							2.84251		3 (U)
3/30/2016	3 (U)	3 (U)	3 (U)	3 (U)					
5/17/2016	0.364 (U)				0.119 (U)		3.09		0.792
5/18/2016		0.224 (U)	0.678	0.539					
5/19/2016						0.956			
7/11/2016					0.51 (U)	0.302 (U)			
7/13/2016	0.347 (U)	0.177 (U)	0.707						
7/14/2016				0.652			2.65		0.864
7/18/2016									
8/22/2016						0.613			
9/12/2016			1.04	0.325 (U)					
9/13/2016	0.567	0.216 (U)			0.413 (U)		3.22		1.01
9/14/2016						0.301 (U)			
11/14/2016		0.318 (U)	0.586	0.734			4.18		
11/15/2016	0.305 (U)				0.707	0.538 (U)			
11/16/2016									1.27
1/3/2017						0.394 (U)			
2/27/2017					0.479 (U)	0.129 (U)			
2/28/2017	0.346 (U)	0.551	1.09	0.629			3.61		0.347 (U)
6/19/2017	0.614	0.418 (U)					3		0.317 (U)
6/20/2017						0.362 (U)			
6/21/2017			1.05	0.637	0.529				
1/9/2018		0.402 (U)	1.22	0.825	0.91	1.35	3.76		1.07
1/10/2018	0.629								
4/16/2018	0.0363 (U)	0.437 (U)	0.769						
4/19/2018				0.546 (U)	-0.42 (U)	0.438 (U)	3.32		1.31
10/1/2018							2.91		0.793
10/2/2018	0.613								
10/4/2018		0.703	1.5						
10/5/2018				1.04	0.955	1.47			
12/17/2018									
2/25/2019								2	
2/27/2019									
4/3/2019	0.26 (U)	0.2 (U)	0.669	0.577	0.189 (U)	1.16	3.43		0.907
5/7/2019						1.36			
9/16/2019	0.307 (U)	0.507 (U)	1.04				3.55	3.26	
9/17/2019				0.958 (U)	0.558 (U)				2.09
9/18/2019						0.94			
2/17/2020	0.379 (U)	0.568							
2/18/2020			1.34						
2/19/2020				0.702	0.404 (U)				
2/25/2020						0.669	2.99	2.46	
2/26/2020									1.35
7/22/2020	0.185 (U)	0.24 (U)							
7/23/2020					1.48				
7/27/2020			1.85	0.986					
7/28/2020						2.35	3.49	2.99	
7/29/2020									1.85
4/5/2021	0.579 (U)	0.13 (U)	1.2				4.28	2.4	
4/6/2021				0.66 (U)	0.875 (U)	1.2			0.689 (U)
9/21/2021	0.802 (U)	0.0771 (U)							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
9/22/2021			1.4	0.834 (U)	0.44 (U)				
9/28/2021						1.04 (U)	4.67	3.09	
9/29/2021									1.18
4/20/2022									1.12 (U)
4/26/2022									
4/27/2022					0.753 (U)		4.33	2.56	
5/2/2022	0.349 (U)	0.355 (U)		0.412 (U)		1.14 (U)			
5/3/2022			1.09 (U)						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			3 (U)
3/30/2016			
5/17/2016			1.2
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			1.19
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			1.31
11/14/2016			1.29
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.727
6/19/2017			0.98
6/20/2017			
6/21/2017			
1/9/2018			1.79
1/10/2018			
4/16/2018			
4/19/2018			0.981
10/1/2018			1.54
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.694		
2/25/2019			
2/27/2019		2.01	
4/3/2019			1.49
5/7/2019			
9/16/2019			
9/17/2019		6.44	
9/18/2019	1.56		1.25
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			1.13
2/26/2020	0.489 (U)	5.34	
7/22/2020			2.35
7/23/2020	1.26 (U)	8.21	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			
4/6/2021	1.13	10.9	1.68
9/21/2021			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
9/22/2021			
9/28/2021			1.94
9/29/2021	1.23	11	
4/20/2022	1.72		
4/26/2022		11.6	1.34
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	3 (U)	3 (U)							
3/29/2016			17.244						
5/18/2016	0.425	0.142 (U)	19.9						
7/11/2016		0.279 (U)							
7/13/2016	0.584		18.1			0.355 (U)			
7/14/2016							0.711		
8/22/2016						0.816	0.615		
9/13/2016	0.46 (U)					0.761	0.878		
9/14/2016		0.205 (U)	20.3						
11/14/2016			17.2						
11/15/2016						1.43	0.671		
11/16/2016	1.58	0.373 (U)							
1/3/2017						1.11	1		
2/27/2017	0.326 (U)								
2/28/2017			13.9						
3/1/2017		0.217 (U)				0.378 (U)	0.534		
6/19/2017		0.357 (U)	15.6						
6/20/2017						0.224 (U)	0.344 (U)		
6/21/2017	0.143 (U)								
1/9/2018			14.7				0.452 (U)		
1/10/2018	0.67	0.239 (U)				1.11			
4/17/2018						0.367 (U)	0.185 (U)		
4/19/2018	0.316 (U)	-0.125 (U)	11.6						
10/1/2018			15.7						
10/2/2018	0.854								
10/3/2018		0.185 (U)							
10/4/2018						1.05	0.568		
12/5/2018								0.447 (U)	0.541
12/6/2018									
12/13/2018				0.807					
2/26/2019									
2/27/2019					1.09				
4/1/2019	0.263 (U)	0.162 (U)							
4/2/2019						0.182 (U)	0.503		
4/3/2019			13.8						
9/16/2019									
9/17/2019									0.732
9/18/2019	0.29 (U)	-0.0854 (U)	15.7	1.14	2.02	0.435 (U)	0.165 (U)	0.0448 (U)	
2/18/2020	0.779								
2/19/2020								0.384 (U)	0.752
2/25/2020			12.9	0.925	1.78				
2/26/2020						0.032 (U)	0.693		
7/21/2020								0.608	0.566
7/22/2020			15.6	1.46	1.7				
7/27/2020	1.68								
7/28/2020						0.275 (U)	0.41 (U)		
7/29/2020									
4/5/2021	0.959 (U)								
4/6/2021								0.312 (U)	1 (U)
4/7/2021						1.12 (U)	0.365 (U)		
4/12/2021			15.6	1.51	2.14				
9/21/2021								0.618 (U)	0.337 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
9/22/2021	0.368 (U)								
9/27/2021						0.815 (U)	0.892 (U)		
9/28/2021			15.4	2.92	2.87				
4/19/2022	0.66 (U)				3.27				
4/20/2022			1.49	2.27				0.757 (U)	0.419 (U)
4/27/2022									
5/2/2022									
5/3/2022						0.435 (U)	0.617 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.786	
12/6/2018	0.29 (U)		
12/13/2018			
2/26/2019			3.76
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			4.63
9/17/2019			
9/18/2019	0.976	1.01	
2/18/2020			
2/19/2020	0.475 (U)		
2/25/2020		0.269 (U)	5.25
2/26/2020			
7/21/2020		0.488 (U)	
7/22/2020	0.713		
7/27/2020			
7/28/2020			
7/29/2020			7.14
4/5/2021			6.64
4/6/2021		0.21 (U)	
4/7/2021	0.472 (U)		
4/12/2021			
9/21/2021		0 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
9/22/2021	1.2 (U)		
9/27/2021			
9/28/2021			6.47
4/19/2022			
4/20/2022	0 (U)		
4/27/2022			5.85
5/2/2022		0.305 (U)	
5/3/2022			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		3 (U)							
3/30/2016									
5/17/2016		0.222 (U)							
5/23/2016									
7/11/2016		0.118 (U)							
7/14/2016									
9/13/2016									
9/14/2016		0.265 (U)							
11/15/2016									
11/16/2016		0.295 (U)							
2/28/2017									
3/1/2017		0.0981 (U)							
6/19/2017		0.194 (U)							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		0.753							
4/17/2018									
4/19/2018		0.171 (U)							
10/1/2018									
10/3/2018		0.433 (U)							
2/26/2019	9.95								
4/2/2019		-0.0631 (U)							
9/17/2019	13.2	0.0186 (U)							
9/18/2019									
9/26/2019	16.2								
2/18/2020									
2/19/2020		0.418 (U)	0.994				0.991		
2/25/2020	13.7					0.967			
2/26/2020					1.42				
4/29/2020				0.35 (U)				0.455 (U)	1.42
7/20/2020					1.4				1.54
7/21/2020						1.34	1.28	0.537	
7/27/2020		-0.0654 (U)		0.288 (U)					
7/28/2020									
7/29/2020	16.2								
3/30/2021					1.47	1.41	0.371 (U)	0.768 (U)	1.83
4/5/2021	18.7	0.143 (U)		0.716 (U)					
4/6/2021			1.8						
4/7/2021									
9/22/2021						1.67			1.95
9/27/2021		0.348 (U)			1.64				
9/28/2021	16.8								
9/29/2021			1.7	0.463 (U)			1.81	1.27	
4/26/2022	17.9				1.83	1.21			1.32
4/27/2022				0.735 (U)			1.22	1 (U)	
5/2/2022			0.758 (U)						
5/3/2022		0.822 (U)							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		3 (U)	3 (U)
5/17/2016		0.294 (U)	
5/23/2016			0.45
7/11/2016		-0.021 (U)	
7/14/2016			0.84
9/13/2016			0.685
9/14/2016		0.705	
11/15/2016			0.804
11/16/2016		0.491 (U)	
2/28/2017		0.367 (U)	
3/1/2017			0.477
6/19/2017			
6/20/2017			0.737
6/21/2017		0.0763 (U)	
1/9/2018			0.714
1/10/2018		0.818	
4/17/2018			0.641
4/19/2018		0.39 (U)	
10/1/2018			0.651
10/3/2018		1.23	
2/26/2019			
4/2/2019		0.427	0.245 (U)
9/17/2019		0.767	
9/18/2019			0.435 (U)
9/26/2019			
2/18/2020		0.231 (U)	
2/19/2020			
2/25/2020			
2/26/2020			0.661
4/29/2020	3.65		
7/20/2020	4.06		
7/21/2020			
7/27/2020		0.97 (U)	
7/28/2020			0.907 (U)
7/29/2020			
3/30/2021	4.78		
4/5/2021		0.474 (U)	
4/6/2021			
4/7/2021			1.4
9/22/2021			
9/27/2021	4	0.745 (U)	1.34
9/28/2021			
9/29/2021			
4/26/2022	4.41		
4/27/2022			
5/2/2022		0.658 (U)	
5/3/2022			0.958 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			3 (U)						
3/30/2016	3 (U)								
4/4/2016				3 (U)					
5/19/2016	0.544	0.116 (U)							
5/23/2016			-0.317 (U)	0.0417 (U)					
7/12/2016			-0.0583 (U)	0.208 (U)					
7/13/2016	0.0469 (U)	0.187 (U)							
9/13/2016	0.179 (U)	0.0165 (U)	0.127 (U)	0.436 (U)					
11/15/2016	1.45	0.236 (U)	0.406 (U)	0.775					
2/28/2017			-0.00408 (U)	0.42 (U)					
3/1/2017	0.166 (U)	0.213 (U)							
6/20/2017	0.484	0.16 (U)	0.22 (U)	0.53					
1/10/2018	0.544	0.889	0.0982 (U)	0.903					
4/17/2018	0.719	0.623	-0.237 (U)	0.293 (U)					
10/1/2018			0.601	1.07					
10/4/2018	0.558	0.971							
4/1/2019			-0.0724 (U)	0.334					
4/2/2019	0.369	0.326 (U)							
9/17/2019			0.645	0.194 (U)					
9/18/2019	0.586	0.56 (U)							
2/17/2020				0.38 (U)					
2/25/2020			0.362 (U)						
2/26/2020	0.746	0.512 (U)							
7/28/2020	0.292 (U)	0.652 (U)							
7/29/2020			0.398 (U)	0.28 (U)					
4/5/2021				0.843 (U)					
4/6/2021			0.53 (U)						
4/7/2021	0.387 (U)	0.743 (U)							
4/12/2021					0.176 (U)	0.161 (U)	0.456 (U)	0.369 (U)	
4/13/2021									0.404 (U)
9/21/2021			0.0496 (U)	1.05 (U)	0.723 (U)	0.737 (U)	0.828 (U)	0.655 (U)	0.491 (U)
9/27/2021	0.314 (U)	0.319 (U)							
4/19/2022					1.02	0.455 (U)	0.392 (U)	0.024 (U)	0.853 (U)
5/2/2022			0.465 (U)	0.891					
5/3/2022	0.478 (U)	0.596 (U)							

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.084 (J)	0.276 (J)			
3/29/2016							0.118 (J)		0.221 (J)
3/30/2016	0.052 (J)	0.026 (J)	0.039 (J)	0.042 (J)					
5/17/2016	0.088 (J)				0.098 (J)		0.151 (J)		0.241 (J)
5/18/2016		0.068 (J)	0.078 (J)	0.08 (J)					
5/19/2016						0.313			
7/11/2016					0.086 (J)	0.076 (J)			
7/13/2016	0.06 (J)	0.049 (J)	0.058 (J)						
7/14/2016				0.06 (J)			0.124 (J)		0.213 (J)
7/18/2016									
8/22/2016						0.067 (J)			
9/12/2016			0.023 (J)	0.028 (J)					
9/13/2016	0.019 (J)	0.018 (J)			0.061 (J)		0.089 (J)		0.168 (J)
9/14/2016						0.036 (J)			
11/14/2016		<0.125	<0.125	<0.125			0.022 (J)		
11/15/2016	<0.125				<0.125	<0.125			
11/16/2016									0.103 (J)
1/3/2017						<0.125			
2/27/2017					0.12	0.06 (J)			
2/28/2017	<0.125	<0.125	<0.125	0.04 (J)			0.1		0.22
5/22/2017	0.04 (J)	<0.125				0.07 (J)			
5/24/2017			0.05 (J)	0.05 (J)	0.12		0.12		0.2
6/19/2017	0.04 (J)	<0.125					0.13		0.21
6/20/2017						0.07 (J)			
6/21/2017			0.05 (J)	0.05 (J)	0.1				
8/14/2017	0.04 (J)	<0.125	0.04 (J)	0.05 (J)		0.07 (J)	0.12		0.22
8/15/2017					0.12				
1/9/2018		<0.125	0.04 (J)	0.05 (J)	0.14	0.08 (J)	0.13		0.24
1/10/2018	<0.125								
4/16/2018	0.04 (J)	<0.125	0.04 (J)						
4/19/2018				0.05 (J)	0.13	0.08 (J)	0.13		0.22
10/1/2018							0.15		0.25
10/2/2018	0.04 (J)								
10/4/2018		0.04 (J)	0.04 (J)						
10/5/2018				0.05 (J)	0.1	0.1			
12/17/2018									
2/25/2019								0.095 (J)	
2/27/2019									
4/3/2019	<0.125	<0.125	<0.125	<0.125	0.106	0.104	0.12		0.182
5/7/2019						0.0937 (J)			
9/16/2019	<0.125	<0.125	0.0538 (J)				0.126	0.0935 (J)	
9/17/2019				0.0753 (J)	0.116				0.187
9/18/2019						0.094 (J)			
2/17/2020	0.051 (J)	0.0546 (J)							
2/18/2020			0.0571 (J)						
2/19/2020				0.06 (J)	0.122				
2/25/2020						0.0995 (J)	0.133	0.0992 (J)	
2/26/2020									0.189
7/22/2020	<0.125	<0.125							
7/23/2020					0.0954 (J)				
7/27/2020			<0.125	<0.125					
7/28/2020						0.0738 (J)	0.124	0.0811 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
7/29/2020									0.185
4/5/2021	0.0627 (J)	0.0634 (J)	0.0733 (J)				0.159	0.136	
4/6/2021				0.0794 (J)	0.124	0.116			0.179
9/21/2021	0.0847 (J)	0.0847 (J)							
9/22/2021			0.0887 (J)	0.117	0.149				
9/28/2021						0.09 (J)	0.125	0.0851 (J)	
9/29/2021									0.211
4/20/2022									0.128
4/26/2022									
4/27/2022					0.0652 (J)		0.0766 (J)	<0.125	
5/2/2022	<0.125	<0.125		<0.125		0.08 (J)			
5/3/2022			<0.125						

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.04 (J)
3/30/2016			
5/17/2016			0.079 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.058 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.025 (J)
11/14/2016			<0.125
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.04 (J)
5/22/2017			
5/24/2017			0.05 (J)
6/19/2017			0.05 (J)
6/20/2017			
6/21/2017			
8/14/2017			0.05 (J)
8/15/2017			
1/9/2018			0.05 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.05 (J)
10/1/2018			0.06 (J)
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.1		
2/25/2019			
2/27/2019		0.13	
4/3/2019			0.0678 (J)
5/7/2019			
9/16/2019			
9/17/2019		0.0925 (J)	
9/18/2019	0.12		0.0551 (J)
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0701 (J)
2/26/2020	0.124	0.101	
7/22/2020			0.0628 (J)
7/23/2020	0.131	0.0891 (J)	
7/27/2020			
7/28/2020			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
7/29/2020			
4/5/2021			
4/6/2021	0.129	0.0995 (J)	<0.125
9/21/2021			
9/22/2021			
9/28/2021			0.0839 (J)
9/29/2021	0.12	0.0713 (J)	
4/20/2022	0.0941 (J)		
4/26/2022		<0.125	<0.125
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.083 (J)	0.028 (J)							
3/29/2016			0.035 (J)						
5/18/2016	0.092 (J)	0.064 (J)	0.076 (J)						
7/11/2016		0.054 (J)							
7/13/2016	0.064 (J)		0.053 (J)			0.118 (J)			
7/14/2016							0.096 (J)		
8/22/2016						0.117 (J)	0.088 (J)		
9/13/2016	0.03 (J)					0.068 (J)	0.054 (J)		
9/14/2016		0.016 (J)	0.022 (J)						
11/14/2016			<0.125						
11/15/2016						<0.125	<0.125		
11/16/2016	<0.125	<0.125							
1/3/2017						<0.125	<0.125		
2/27/2017	<0.125								
2/28/2017			<0.125						
3/1/2017		<0.125				0.04 (J)	0.06 (J)		
5/22/2017	0.04 (J)								
5/23/2017		<0.125				0.04 (J)	0.07 (J)		
5/24/2017			0.04 (J)						
6/19/2017		<0.125	0.04 (J)						
6/20/2017						0.04 (J)	0.06 (J)		
6/21/2017	0.05 (J)								
8/14/2017	0.04 (J)		0.04 (J)						
8/15/2017		<0.125				<0.125	0.06 (J)		
1/9/2018			0.04 (J)				0.07 (J)		
1/10/2018	0.04 (J)	<0.125				0.06 (J)			
4/17/2018						<0.125	0.06 (J)		
4/19/2018	0.04 (J)	<0.125	0.04 (J)						
10/1/2018			0.05 (J)						
10/2/2018	0.05 (J)								
10/3/2018		0.04 (J)							
10/4/2018						0.07 (J)	0.08 (J)		
12/5/2018								0.04 (J)	0.05 (J)
12/6/2018									
1/2/2019				11					
2/26/2019									
2/27/2019					0.0806 (J)				
4/1/2019	0.0563 (J)	<0.125							
4/2/2019						<0.125	0.0613 (J)		
4/3/2019			0.0657 (J)						
5/7/2019				0.101					
9/16/2019									
9/17/2019									0.0892 (J)
9/18/2019	0.0507 (J)	<0.125	<0.125	0.0879 (J)	0.0523 (J)	0.0749 (J)	0.065 (J)	0.0623 (J)	
2/18/2020	0.0557 (J)								
2/19/2020								<0.125	0.0647 (J)
2/25/2020			0.0566 (J)	0.0976 (J)	0.0724 (J)				
2/26/2020						0.0804 (J)	0.0687 (J)		
7/21/2020								0.0713 (J)	0.0903 (J)
7/22/2020			<0.125	0.0955 (J)	<0.125				
7/27/2020	<0.125								
7/28/2020						<0.125	<0.125		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
7/29/2020									
4/5/2021	0.088 (J)								
4/6/2021								0.105	0.109
4/7/2021						0.0739 (J)	0.0834 (J)		
4/12/2021			0.0644 (J)	0.108	0.0733 (J)				
9/21/2021								0.0903 (J)	0.105
9/22/2021	0.0965 (J)								
9/27/2021						0.0914 (J)	0.1		
9/28/2021			0.0828 (J)	0.0942 (J)	0.0697 (J)				
4/19/2022	<0.125				0.09645 (JD)				
4/20/2022			<0.125	0.0672 (J)				<0.125	<0.125
4/27/2022									
5/2/2022									
5/3/2022						<0.125	0.0819 (J)		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.125	
12/6/2018	<0.125		
1/2/2019			
2/26/2019			0.0777 (J)
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
5/7/2019			
9/16/2019			0.0768 (J)
9/17/2019			
9/18/2019	<0.125	0.0618 (J)	
2/18/2020			
2/19/2020	<0.125		
2/25/2020		0.0554 (J)	0.0778 (J)
2/26/2020			
7/21/2020		0.0959 (J)	
7/22/2020	<0.125		
7/27/2020			
7/28/2020			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
7/29/2020			0.067 (J)
4/5/2021			0.0933 (J)
4/6/2021		0.0752 (J)	
4/7/2021	0.0741 (J)		
4/12/2021			
9/21/2021		<0.125	
9/22/2021	0.0852 (J)		
9/27/2021			
9/28/2021			0.0653 (J)
4/19/2022			
4/20/2022	<0.125		
4/27/2022			<0.125
5/2/2022		<0.125	
5/3/2022			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.032 (J)							
3/30/2016									
5/17/2016		0.068 (J)							
5/23/2016									
7/11/2016		0.057 (J)							
7/14/2016									
9/13/2016									
9/14/2016		0.017 (J)							
11/15/2016									
11/16/2016		<0.125							
2/28/2017									
3/1/2017		<0.125							
5/23/2017		<0.125							
5/24/2017									
6/19/2017		<0.125							
6/20/2017									
6/21/2017									
8/15/2017		<0.125							
1/9/2018									
1/10/2018		<0.125							
4/17/2018									
4/19/2018		<0.125							
10/1/2018									
10/3/2018		<0.125							
2/26/2019	0.106								
4/2/2019		<0.125							
9/17/2019	0.0669 (J)	<0.125							
9/18/2019									
9/26/2019	0.0749 (J)								
10/22/2019			0.187						
2/18/2020									
2/19/2020		<0.125	0.236				0.13		
2/25/2020	0.0683 (J)					0.235			
2/26/2020					0.143				
4/29/2020				0.269				0.141	0.397
7/20/2020					0.169				0.407
7/21/2020						0.313	0.118	0.157	
7/23/2020			0.17						
7/27/2020		<0.125		0.428					
7/28/2020									
7/29/2020	0.0608 (J)								
3/30/2021					0.216	0.29	0.106	0.187	0.405
4/5/2021	0.078 (J)	0.0801 (J)		0.558					
4/6/2021			0.193						
4/7/2021									
9/22/2021						0.363			0.452
9/27/2021		0.0805 (J)			0.245				
9/28/2021	0.0614 (J)								
9/29/2021			0.19	0.656			0.136	0.223	
4/26/2022	<0.125				0.16	0.177			0.436
4/27/2022				0.39			<0.125	0.0993 (J)	
5/2/2022			0.152						

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

5/3/2022	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
		<0.125							

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.023 (J)	0.048 (J)
5/17/2016		0.065 (J)	
5/23/2016			0.076 (J)
7/11/2016		0.054 (J)	
7/14/2016			0.058 (J)
9/13/2016			0.025 (J)
9/14/2016		0.014 (J)	
11/15/2016			<0.125
11/16/2016		<0.125	
2/28/2017		<0.125	
3/1/2017			0.04 (J)
5/23/2017			0.05 (J)
5/24/2017		<0.125	
6/19/2017			
6/20/2017			0.06 (J)
6/21/2017		<0.125	
8/15/2017		<0.125	0.05 (J)
1/9/2018			0.04 (J)
1/10/2018		<0.125	
4/17/2018			0.04 (J)
4/19/2018		<0.125	
10/1/2018			0.05 (J)
10/3/2018		<0.125	
2/26/2019			
4/2/2019		<0.125	0.0555 (J)
9/17/2019		<0.125	
9/18/2019			0.0568 (J)
9/26/2019			
10/22/2019			
2/18/2020		0.0506 (J)	
2/19/2020			
2/25/2020			
2/26/2020			0.0647 (J)
4/29/2020	0.164		
7/20/2020	0.158		
7/21/2020			
7/23/2020			
7/27/2020		<0.125	
7/28/2020			<0.125
7/29/2020			
3/30/2021	0.169		
4/5/2021		0.0842 (J)	
4/6/2021			
4/7/2021			0.0874 (J)
9/22/2021			
9/27/2021	0.187	0.0702 (J)	0.0989 (J)
9/28/2021			
9/29/2021			
4/26/2022	0.152		
4/27/2022			
5/2/2022		<0.125	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

5/3/2022	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
			0.0648 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			0.104 (J)						
3/30/2016	0.056 (J)	0.034 (J)							
4/4/2016				0.109 (J)					
5/19/2016	0.09 (J)	0.072 (J)							
5/23/2016			0.131 (J)	0.1 (J)					
7/12/2016			0.105 (J)	0.11 (J)					
7/13/2016	0.067 (J)	0.054 (J)							
9/13/2016	0.026 (J)	0.021 (J)	0.057 (J)	0.075 (J)					
11/15/2016	<0.125	<0.125	<0.125	0.023 (J)					
2/28/2017			0.07 (J)	0.11					
3/1/2017	<0.125	<0.125							
5/23/2017	0.04 (J)	0.04 (J)							
5/24/2017			0.09 (J)	0.11					
6/20/2017	0.05 (J)	0.04 (J)	0.08 (J)	0.12					
8/15/2017	0.04 (J)	0.04 (J)	0.09 (J)						
8/16/2017				<0.125 (U*)					
1/10/2018	0.04 (J)	0.04 (J)	0.11	0.12					
4/17/2018	0.04 (J)	<0.125	0.09 (J)	0.12					
10/1/2018			0.12	0.14					
10/4/2018	0.05 (J)	0.05 (J)							
4/1/2019			0.0956 (J)	0.136					
4/2/2019	0.0586 (J)	0.052 (J)							
9/17/2019			0.0971 (J)	0.128					
9/18/2019	0.0634 (J)	0.0578 (J)							
2/17/2020				0.15					
2/25/2020			0.0898 (J)						
2/26/2020	<0.125	0.0523 (J)							
7/28/2020	<0.125	<0.125							
7/29/2020			0.0742 (J)	0.116					
4/5/2021				0.15					
4/6/2021			0.114						
4/7/2021	0.0872 (J)	0.0705 (J)							
4/12/2021					0.163	0.0651 (J)	<0.125	<0.125	
4/13/2021									<0.125
9/21/2021			0.132	0.181	0.181	0.083 (J)	0.113	0.0969 (J)	0.0656 (J)
9/27/2021	0.0862 (J)	0.0882 (J)							
4/19/2022					0.107 (J)	<0.125	<0.125	<0.125	<0.125
5/2/2022			0.111 (J)	0.122 (J)					
5/3/2022	<0.125	<0.125							

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0202 (o)	<0.0002			
3/29/2016							<0.0002		<0.0002
3/30/2016	<0.0002	<0.0002	<0.0002	<0.0002					
5/17/2016	<0.0002				0.00114 (J)		<0.0002		<0.0002
5/18/2016		<0.0002	<0.0002	<0.0002					
5/19/2016						<0.0002			
7/11/2016					<0.0002	<0.0002			
7/13/2016	<0.0002	<0.0002	<0.0002						
7/14/2016				<0.0002			<0.0002		<0.0002
7/18/2016									
8/22/2016						<0.0002			
9/12/2016			<0.0002	<0.0002					
9/13/2016	<0.0002	<0.0002			<0.0002		<0.0002		<0.0002
9/14/2016						<0.0002			
11/14/2016		<0.0002	<0.0002	<0.0002			<0.0002		
11/15/2016	<0.0002				<0.0002	<0.0002			
11/16/2016									<0.0002
1/3/2017						<0.0002			
2/27/2017					<0.0002	<0.0002			
2/28/2017	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002		<0.0002
5/22/2017	<0.0002	<0.0002				<0.0002			
5/24/2017			<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
6/19/2017	<0.0002	<0.0002					<0.0002		<0.0002
6/20/2017						<0.0002			
6/21/2017			<0.0002	<0.0002	<0.0002				
1/9/2018		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
1/10/2018	<0.0002								
4/16/2018	<0.0002	<0.0002	<0.0002						
4/19/2018				<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/1/2018							<0.0002		<0.0002
10/2/2018	<0.0002								
10/4/2018		<0.0002	<0.0002						
10/5/2018				<0.0002	<0.0002	<0.0002			
12/17/2018									
2/25/2019								<0.0002	
2/27/2019									
4/3/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
5/7/2019						<0.0002			
9/16/2019	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	
9/17/2019				<0.0002	<0.0002				<0.0002
9/18/2019						<0.0002			
2/17/2020	<0.0002	<0.0002							
2/18/2020			<0.0002						
2/19/2020				<0.0002	<0.0002				
2/25/2020						<0.0002	<0.0002	<0.0002	
2/26/2020									<0.0002
7/22/2020	<0.0002	<0.0002							
7/23/2020					<0.0002				
7/27/2020			<0.0002	<0.0002					
7/28/2020						<0.0002	<0.0002	<0.0002	
7/29/2020									<0.0002
4/5/2021	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000106 (J)	<0.0002	<0.0002			<0.0002
9/21/2021	<0.0002	<0.0002							
9/22/2021			<0.0002	<0.0002	<0.0002				
9/28/2021						<0.0002	<0.0002	<0.0002	
9/29/2021									<0.0002
4/20/2022									<0.0002
4/26/2022									
4/27/2022					<0.0002		<0.0002	<0.0002	
5/2/2022	<0.0002	<0.0002		<0.0002		<0.0002			
5/3/2022			<0.0002						

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.0002
3/30/2016			
5/17/2016			<0.0002
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.0002
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.0002
11/14/2016			<0.0002
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.0002
5/22/2017			
5/24/2017			<0.0002
6/19/2017			<0.0002
6/20/2017			
6/21/2017			
1/9/2018			<0.0002
1/10/2018			
4/16/2018			
4/19/2018			<0.0002
10/1/2018			<0.0002
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.0002		
2/25/2019			
2/27/2019		<0.0002	
4/3/2019			<0.0002
5/7/2019			
9/16/2019			
9/17/2019		<0.0002	
9/18/2019	<0.0002		<0.0002
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.0002
2/26/2020	<0.0002	<0.0002	
7/22/2020			<0.0002
7/23/2020	<0.0002	<0.0002	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.0002	<0.0002	<0.0002
9/21/2021			
9/22/2021			
9/28/2021			<0.0002
9/29/2021	<0.0002	<0.0002	
4/20/2022	<0.0002		
4/26/2022		<0.0002	<0.0002
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.0002	<0.0002							
3/29/2016			<0.0002						
5/18/2016	<0.0002	<0.0002	<0.0002						
7/11/2016		<0.0002							
7/13/2016	<0.0002		<0.0002			<0.0002			
7/14/2016							<0.0002		
8/22/2016						<0.0002	<0.0002		
9/13/2016	<0.0002					<0.0002	<0.0002		
9/14/2016		<0.0002	<0.0002						
11/14/2016			<0.0002						
11/15/2016						<0.0002	<0.0002		
11/16/2016	<0.0002	<0.0002							
1/3/2017						<0.0002	<0.0002		
2/27/2017	<0.0002								
2/28/2017			<0.0002						
3/1/2017		<0.0002				<0.0002	<0.0002		
5/22/2017	<0.0002								
5/23/2017		<0.0002				<0.0002	<0.0002		
5/24/2017			<0.0002						
6/19/2017		<0.0002	<0.0002						
6/20/2017						<0.0002	<0.0002		
6/21/2017	<0.0002								
1/9/2018			<0.0002					<0.0002	
1/10/2018	<0.0002	<0.0002				<0.0002			
4/17/2018						<0.0002	<0.0002		
4/19/2018	<0.0002	<0.0002	<0.0002						
10/1/2018			<0.0002						
10/2/2018	<0.0002								
10/3/2018		<0.0002							
10/4/2018						<0.0002	<0.0002		
12/5/2018								<0.0002	<0.0002
12/6/2018									
12/13/2018				<0.0002					
2/26/2019									
2/27/2019					<0.0002				
4/1/2019	<0.0002	<0.0002							
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/16/2019									
9/17/2019									<0.0002
9/18/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2020	<0.0002								
2/19/2020								<0.0002	<0.0002
2/25/2020			<0.0002	<0.0002	<0.0002				
2/26/2020						<0.0002	<0.0002		
7/21/2020								<0.0002	<0.0002
7/22/2020			<0.0002	<0.0002	<0.0002				
7/27/2020	<0.0002								
7/28/2020						<0.0002	<0.0002		
7/29/2020									
4/5/2021	<0.0002								
4/6/2021								<0.0002	<0.0002

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.0002	<0.0002		
4/12/2021			<0.0002	<0.0002	0.000234				
9/21/2021								<0.0002	<0.0002
9/22/2021	<0.0002								
9/27/2021						<0.0002	<0.0002		
9/28/2021			<0.0002	<0.0002	0.00072				
4/19/2022	0.00019 (J)				0.00115				
4/20/2022			<0.0002	<0.0002				<0.0002	<0.0002
4/27/2022									
5/2/2022									
5/3/2022						<0.0002	<0.0002		

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0002	
12/6/2018	<0.0002		
12/13/2018			
2/26/2019			<0.0002
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.0002
9/17/2019			
9/18/2019	<0.0002	<0.0002	
2/18/2020			
2/19/2020	<0.0002		
2/25/2020		<0.0002	<0.0002
2/26/2020			
7/21/2020		<0.0002	
7/22/2020	<0.0002		
7/27/2020			
7/28/2020			
7/29/2020			<0.0002
4/5/2021			0.000129 (J)
4/6/2021		<0.0002	

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.0002		
4/12/2021			
9/21/2021		<0.0002	
9/22/2021	<0.0002		
9/27/2021			
9/28/2021			<0.0002
4/19/2022			
4/20/2022	<0.0002		
4/27/2022			0.0001 (J)
5/2/2022		<0.0002	
5/3/2022			

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.00128 (J)							
3/30/2016									
5/17/2016		<0.0002							
5/23/2016									
7/11/2016		<0.0002							
7/14/2016									
9/13/2016									
9/14/2016		<0.0002							
11/15/2016									
11/16/2016		<0.0002							
2/28/2017									
3/1/2017		<0.0002							
5/23/2017		<0.0002							
5/24/2017									
6/19/2017		<0.0002							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.0002							
4/17/2018									
4/19/2018		<0.0002							
10/1/2018									
10/3/2018		<0.0002							
2/26/2019	<0.0002								
4/2/2019		<0.0002							
9/17/2019	<0.0002	<0.0002							
9/18/2019									
9/26/2019	<0.0002								
10/22/2019			<0.0002						
2/18/2020									
2/19/2020		<0.0002	<0.0002				<0.0002		
2/25/2020	<0.0002					<0.0002			
2/26/2020					<0.0002				
4/29/2020				<0.0002				<0.0002	<0.0002
7/20/2020					<0.0002				<0.0002
7/21/2020						<0.0002	<0.0002	<0.0002	
7/23/2020			<0.0002						
7/27/2020		<0.0002		<0.0002					
7/28/2020									
7/29/2020	<0.0002								
3/30/2021					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/5/2021	<0.0002	<0.0002		<0.0002					
4/6/2021			<0.0002						
4/7/2021									
9/22/2021						<0.0002			<0.0002
9/27/2021		<0.0002			<0.0002				
9/28/2021	<0.0002								
9/29/2021			<0.0002	<0.0002			<0.0002	<0.0002	
4/26/2022	<0.0002				<0.0002	<0.0002			<0.0002
4/27/2022				<0.0002			<0.0002	<0.0002	
5/2/2022			<0.0002						
5/3/2022		<0.0002							

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.00247 (J)	<0.0002
5/17/2016		<0.0002	
5/23/2016			<0.0002
7/11/2016		<0.0002	
7/14/2016			<0.0002
9/13/2016			<0.0002
9/14/2016		<0.0002	
11/15/2016			<0.0002
11/16/2016		<0.0002	
2/28/2017		<0.0002	
3/1/2017			<0.0002
5/23/2017			<0.0002
5/24/2017		<0.0002	
6/19/2017			
6/20/2017			<0.0002
6/21/2017		<0.0002	
1/9/2018			<0.0002
1/10/2018		<0.0002	
4/17/2018			<0.0002
4/19/2018		<0.0002	
10/1/2018			<0.0002
10/3/2018		<0.0002	
2/26/2019			
4/2/2019		<0.0002	<0.0002
9/17/2019		<0.0002	
9/18/2019			<0.0002
9/26/2019			
10/22/2019			
2/18/2020		<0.0002	
2/19/2020			
2/25/2020			
2/26/2020			<0.0002
4/29/2020	<0.0002		
7/20/2020	<0.0002		
7/21/2020			
7/23/2020			
7/27/2020		<0.0002	
7/28/2020			<0.0002
7/29/2020			
3/30/2021	<0.0002		
4/5/2021		<0.0002	
4/6/2021			
4/7/2021			0.00014 (J)
9/22/2021			
9/27/2021	<0.0002	<0.0002	0.0001 (J)
9/28/2021			
9/29/2021			
4/26/2022	<0.0002		
4/27/2022			
5/2/2022		<0.0002	
5/3/2022			0.0001 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.0002						
3/30/2016	<0.0002	<0.0002							
4/4/2016				<0.0002					
5/19/2016	<0.0002	<0.0002							
5/23/2016			<0.0002	<0.0002					
7/12/2016			<0.0002	<0.0002					
7/13/2016	<0.0002	<0.0002							
9/13/2016	<0.0002	<0.0002	<0.0002	<0.0002					
11/15/2016	<0.0002	<0.0002	<0.0002	<0.0002					
2/28/2017			<0.0002	<0.0002					
3/1/2017	<0.0002	<0.0002							
5/23/2017	<0.0002	<0.0002							
5/24/2017			<0.0002	<0.0002					
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002					
1/10/2018	<0.0002	<0.0002	<0.0002	<0.0002					
4/17/2018	<0.0002	<0.0002	<0.0002	<0.0002					
10/1/2018			<0.0002	<0.0002					
10/4/2018	<0.0002	<0.0002							
4/1/2019			<0.0002	<0.0002					
4/2/2019	<0.0002	<0.0002							
9/17/2019			<0.0002	<0.0002					
9/18/2019	<0.0002	<0.0002							
2/17/2020				<0.0002					
2/25/2020			<0.0002						
2/26/2020	<0.0002	<0.0002							
7/28/2020	<0.0002	<0.0002							
7/29/2020			<0.0002	<0.0002					
4/5/2021				<0.0002					
4/6/2021			<0.0002						
4/7/2021	<0.0002	<0.0002							
4/12/2021					<0.0002	0.000114 (J)	0.000122 (J)	0.000124 (J)	
4/13/2021									<0.0002
9/21/2021			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00012 (J)	<0.0002
9/27/2021	<0.0002	<0.0002							
4/19/2022					<0.0002	<0.0002	<0.0002	0.0001 (J)	7E-05 (J)
5/2/2022			<0.0002	<0.0002					
5/3/2022	<0.0002	<0.0002							

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0107 (J)	<0.02			
3/29/2016							0.0774		0.646
3/30/2016	<0.02	<0.02	<0.02	<0.02					
5/17/2016	<0.02				<0.02		0.0738		0.613
5/18/2016		<0.02	<0.02	<0.02					
5/19/2016						<0.02			
7/11/2016					<0.02	0.0133 (J)			
7/13/2016	<0.02	<0.02	<0.02						
7/14/2016				<0.02			0.0788		0.616
7/18/2016									
8/22/2016						0.0167 (J)			
9/12/2016			<0.02	<0.02					
9/13/2016	<0.02	<0.02			<0.02		0.0748		0.592
9/14/2016						0.019 (J)			
11/14/2016		<0.02	<0.02	<0.02			0.0851		
11/15/2016	<0.02				<0.02	0.024 (J)			
11/16/2016									0.603
1/3/2017						0.0305 (J)			
2/27/2017					<0.02	0.038 (J)			
2/28/2017	<0.02	<0.02	<0.02	<0.02			0.0766		0.562
5/22/2017	<0.02	<0.02				0.0451 (J)			
5/24/2017			<0.02	<0.02	<0.02		0.0722		0.561
6/19/2017	<0.02	<0.02					0.0693		0.543
6/20/2017						0.043 (J)			
6/21/2017			<0.02	<0.02	<0.02				
1/9/2018		<0.02	<0.02	<0.02	<0.02	0.0595	0.0781		0.621
1/10/2018	<0.02								
4/16/2018	<0.02	<0.02	<0.02						
4/19/2018				<0.02	<0.02	0.0793	0.0752		0.591
10/1/2018							0.076		0.628
10/2/2018	<0.02								
10/4/2018		<0.02	<0.02						
10/5/2018				<0.02	<0.02	0.113			
12/17/2018									
2/25/2019								0.298	
2/27/2019									
4/3/2019	<0.02	<0.02	<0.02	<0.02	<0.02	0.149	0.0814		0.716
5/7/2019						0.164			
9/16/2019	<0.02	<0.02	<0.02				0.0926	0.312	
9/17/2019				<0.02	<0.02				0.785
9/18/2019						0.186			
2/17/2020	<0.02	<0.02							
2/18/2020			<0.02						
2/19/2020				<0.02	<0.02				
2/25/2020						0.0848	0.0951	0.318	
2/26/2020									0.752
7/22/2020	<0.02	<0.02							
7/23/2020					<0.02				
7/27/2020			<0.02	<0.02					
7/28/2020						0.0559	0.0903	0.307	
7/29/2020									0.731
4/5/2021	<0.02	<0.02	<0.02				0.111	0.319	

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.02	<0.02	0.0423			1.01
9/21/2021	<0.02	<0.02							
9/22/2021			<0.02	<0.02	<0.02				
9/28/2021						0.0326	0.126	0.318	
9/29/2021									1.03
4/20/2022									1.02
4/26/2022									
4/27/2022					<0.02		0.127	0.339	
5/2/2022	<0.02	<0.02		<0.02		0.0278			
5/3/2022			<0.02						

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.0396 (J)
3/30/2016			
5/17/2016			0.04 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0439 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.0371 (J)
11/14/2016			0.0398 (J)
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.032 (J)
5/22/2017			
5/24/2017			0.0331 (J)
6/19/2017			0.0342 (J)
6/20/2017			
6/21/2017			
1/9/2018			0.0382 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.0358 (J)
10/1/2018			0.0386
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.0898		
2/25/2019			
2/27/2019		0.364	
4/3/2019			0.0393
5/7/2019			
9/16/2019			
9/17/2019		0.432	
9/18/2019	0.129		0.0492
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0465
2/26/2020	0.193	0.465	
7/22/2020			0.0507
7/23/2020	0.153	0.405	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.251	0.522	0.05
9/21/2021			
9/22/2021			
9/28/2021			0.0506
9/29/2021	0.196	0.467	
4/20/2022	0.233		
4/26/2022		0.505	0.0464
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.02	<0.02							
3/29/2016			0.118						
5/18/2016	<0.02	<0.02	0.12						
7/11/2016		<0.02							
7/13/2016	<0.02		0.135			<0.02			
7/14/2016							<0.02		
8/22/2016						<0.02	<0.02		
9/13/2016	<0.02					<0.02	<0.02		
9/14/2016		<0.02	0.115						
11/14/2016			0.114						
11/15/2016						<0.02	<0.02		
11/16/2016	<0.02	<0.02							
1/3/2017						<0.02	<0.02		
2/27/2017	<0.02								
2/28/2017			0.0991						
3/1/2017		<0.02				<0.02	<0.02		
5/22/2017	<0.02								
5/23/2017		<0.02				<0.02	<0.02		
5/24/2017			0.103						
6/19/2017		<0.02	0.104						
6/20/2017						<0.02	<0.02		
6/21/2017	<0.02								
1/9/2018			0.112				<0.02		
1/10/2018	<0.02	<0.02				<0.02	<0.02		
4/17/2018						<0.02	<0.02		
4/19/2018	<0.02	<0.02	0.106						
10/1/2018			0.11						
10/2/2018	<0.02								
10/3/2018		<0.02							
10/4/2018						<0.02	<0.02		
12/5/2018								<0.02	<0.02
12/6/2018									
12/13/2018				<0.02					
2/26/2019									
2/27/2019					0.0372				
4/1/2019	<0.02	<0.02							
4/2/2019						<0.02	<0.02		
4/3/2019			0.115						
9/16/2019									
9/17/2019									<0.02
9/18/2019	<0.02	<0.02	0.131	0.0108 (J)	0.0399	<0.02	<0.02	<0.02	
2/18/2020	<0.02								
2/19/2020								<0.02	<0.02
2/25/2020			0.137	0.0117 (J)	0.0421				
2/26/2020						<0.02	<0.02		
7/21/2020								<0.02	<0.02
7/22/2020			0.125	<0.02	0.0423				
7/27/2020	<0.02								
7/28/2020						<0.02	<0.02		
7/29/2020									
4/5/2021	<0.02								
4/6/2021								<0.02	<0.02

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.02	<0.02		
4/12/2021			0.139	0.00768 (J)	0.0463				
9/21/2021								<0.02	<0.02
9/22/2021	<0.02								
9/27/2021						<0.02	<0.02		
9/28/2021			0.137	0.00723 (J)	0.0451				
4/19/2022	<0.02				0.0416				
4/20/2022			0.119	0.00728 (J)				<0.02	<0.02
4/27/2022									
5/2/2022									
5/3/2022						<0.02	<0.02		

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.02	
12/6/2018	<0.02		
12/13/2018			
2/26/2019			0.132
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.141
9/17/2019			
9/18/2019	<0.02	<0.02	
2/18/2020			
2/19/2020	<0.02		
2/25/2020		<0.02	0.14
2/26/2020			
7/21/2020		<0.02	
7/22/2020	<0.02		
7/27/2020			
7/28/2020			
7/29/2020			0.147
4/5/2021			0.148
4/6/2021		<0.02	

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.02		
4/12/2021			
9/21/2021		<0.02	
9/22/2021	<0.02		
9/27/2021			
9/28/2021			0.142
4/19/2022			
4/20/2022	<0.02		
4/27/2022			0.145
5/2/2022		<0.02	
5/3/2022			

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.02							
3/30/2016									
5/17/2016		<0.02							
5/23/2016									
7/11/2016		<0.02							
7/14/2016									
9/13/2016									
9/14/2016		<0.02							
11/15/2016									
11/16/2016		<0.02							
2/28/2017									
3/1/2017		<0.02							
5/23/2017		<0.02							
5/24/2017									
6/19/2017		<0.02							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.02							
4/17/2018									
4/19/2018		<0.02							
10/1/2018									
10/3/2018		<0.02							
2/26/2019	0.277								
4/2/2019		<0.02							
9/17/2019	0.289	<0.02							
9/18/2019									
9/26/2019	0.302								
10/22/2019			<0.02						
2/18/2020									
2/19/2020		<0.02	0.0107 (J)				0.038		
2/25/2020	0.307					0.164			
2/26/2020					0.0717				
4/29/2020				<0.02				<0.02	0.0284
7/20/2020					0.0659				0.0358
7/21/2020						0.127	0.0378	<0.02	
7/23/2020			<0.02						
7/27/2020		<0.02		<0.02					
7/28/2020									
7/29/2020	0.303								
3/30/2021					0.07	0.12	0.0396	<0.02	0.0297
4/5/2021	0.323	<0.02		<0.02					
4/6/2021			<0.02						
4/7/2021									
9/22/2021						0.0901			0.0246
9/27/2021		<0.02			0.0706				
9/28/2021	0.302								
9/29/2021			<0.02	<0.02			0.0365	<0.02	
4/26/2022	0.309				0.0637	0.0711			0.018 (J)
4/27/2022				<0.02			0.036	<0.02	
5/2/2022			<0.02						
5/3/2022		<0.02							

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.015 (J)	0.0307 (J)
5/17/2016		<0.02	
5/23/2016			0.0374 (J)
7/11/2016		<0.02	
7/14/2016			0.0499 (J)
9/13/2016			0.0438 (J)
9/14/2016		<0.02	
11/15/2016			0.0494 (J)
11/16/2016		<0.02	
2/28/2017		<0.02	
3/1/2017			0.0426 (J)
5/23/2017			0.0416 (J)
5/24/2017		<0.02	
6/19/2017			
6/20/2017			0.0376 (J)
6/21/2017		<0.02	
1/9/2018			0.0461 (J)
1/10/2018		<0.02	
4/17/2018			0.0319 (J)
4/19/2018		<0.02	
10/1/2018			0.0482
10/3/2018		<0.02	
2/26/2019			
4/2/2019		<0.02	0.0242
9/17/2019		<0.02	
9/18/2019			0.043
9/26/2019			
10/22/2019			
2/18/2020		<0.02	
2/19/2020			
2/25/2020			
2/26/2020			<0.02
4/29/2020	0.0377		
7/20/2020	0.0522		
7/21/2020			
7/23/2020			
7/27/2020		<0.02	
7/28/2020			0.0361
7/29/2020			
3/30/2021	0.0615		
4/5/2021		<0.02	
4/6/2021			
4/7/2021			0.01 (J)
9/22/2021			
9/27/2021	0.061	<0.02	0.00862 (J)
9/28/2021			
9/29/2021			
4/26/2022	0.0446		
4/27/2022			
5/2/2022		<0.02	
5/3/2022			<0.02

Time Series

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.02						
3/30/2016	<0.02	<0.02							
4/4/2016				<0.02					
5/19/2016	<0.02	<0.02							
5/23/2016			<0.02	<0.02					
7/12/2016			<0.02	<0.02					
7/13/2016	<0.02	<0.02							
9/13/2016	<0.02	<0.02	<0.02	<0.02					
11/15/2016	<0.02	<0.02	<0.02	<0.02					
2/28/2017			<0.02	<0.02					
3/1/2017	<0.02	<0.02							
5/23/2017	<0.02	<0.02							
5/24/2017			<0.02	<0.02					
6/20/2017	<0.02	<0.02	<0.02	<0.02					
1/10/2018	<0.02	<0.02	<0.02	<0.02					
4/17/2018	<0.02	<0.02	<0.02	<0.02					
10/1/2018			<0.02	<0.02					
10/4/2018	<0.02	<0.02							
4/1/2019			<0.02	<0.02					
4/2/2019	<0.02	<0.02							
9/17/2019			<0.02	<0.02					
9/18/2019	<0.02	<0.02							
2/17/2020				<0.02					
2/25/2020			<0.02						
2/26/2020	<0.02	<0.02							
7/28/2020	<0.02	<0.02							
7/29/2020			<0.02	<0.02					
4/5/2021				<0.02					
4/6/2021			<0.02						
4/7/2021	<0.02	<0.02							
4/12/2021					<0.02	<0.02	<0.02	<0.02	
4/13/2021									<0.02
9/21/2021			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
9/27/2021	<0.02	<0.02							
4/19/2022					<0.02	<0.02	<0.02	<0.02	<0.02
5/2/2022			<0.02	<0.02					
5/3/2022	0.0178 (J)	<0.02							

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.0005	<0.0005			
3/29/2016							<0.0005		<0.0005
3/30/2016	<0.0005	<0.0005	<0.0005	<0.0005					
5/17/2016	<0.0005				<0.0005		<0.0005		<0.0005
5/18/2016		<0.0005	<0.0005	<0.0005					
5/19/2016						<0.0005			
7/11/2016					<0.0005	<0.0005			
7/13/2016	<0.0005	<0.0005	<0.0005						
7/14/2016				<0.0005			<0.0005		<0.0005
7/18/2016									
8/22/2016						<0.0005			
9/12/2016			<0.0005	<0.0005					
9/13/2016	<0.0005	<0.0005			<0.0005		<0.0005		<0.0005
9/14/2016						<0.0005			
11/14/2016		<0.0005	<0.0005	<0.0005			<0.0005		
11/15/2016	<0.0005				<0.0005	<0.0005			
11/16/2016									<0.0005
1/3/2017						<0.0005			
2/27/2017					<0.0005	<0.0005			
2/28/2017	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005		<0.0005
5/22/2017	<0.0005	<0.0005				<0.0005			
5/24/2017			<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
6/19/2017	<0.0005	<0.0005					<0.0005		<0.0005
6/20/2017						<0.0005			
6/21/2017			<0.0005	<0.0005	<0.0005				
1/9/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
1/10/2018	<0.0005								
4/16/2018	<0.0005	<0.0005	<0.0005						
4/19/2018				<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
10/1/2018							<0.0005		<0.0005
10/2/2018	<0.0005								
10/4/2018		<0.0005	<0.0005						
10/5/2018				<0.0005	<0.0005	<0.0005			
12/17/2018									
2/25/2019								<0.0005	
2/27/2019									
4/3/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
5/7/2019						<0.0005			
9/16/2019	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005	
9/17/2019				<0.0005	<0.0005				<0.0005
9/18/2019						<0.0005			
2/17/2020	<0.0005	<0.0005							
2/18/2020			<0.0005						
2/19/2020				<0.0005	<0.0005				
2/25/2020						<0.0005	<0.0005	<0.0005	
2/26/2020									<0.0005
7/22/2020	<0.0005	<0.0005							
7/23/2020					<0.0005				
7/27/2020			<0.0005	<0.0005					
7/28/2020						<0.0005	<0.0005	<0.0005	
7/29/2020									<0.0005
4/5/2021	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.0005	<0.0005	<0.0005			<0.0005
9/21/2021	<0.0005	<0.0005							
9/22/2021			<0.0005	<0.0005	<0.0005				
9/28/2021						<0.0005	<0.0005	<0.0005	
9/29/2021									<0.0005
4/20/2022									<0.0005
4/26/2022									
4/27/2022					<0.0005		<0.0005	<0.0005	
5/2/2022	<0.0005	<0.0005		<0.0005		<0.0005			
5/3/2022			<0.0005						

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.0005
3/30/2016			
5/17/2016			<0.0005
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.0005
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.0005
11/14/2016			<0.0005
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.0005
5/22/2017			
5/24/2017			<0.0005
6/19/2017			<0.0005
6/20/2017			
6/21/2017			
1/9/2018			<0.0005
1/10/2018			
4/16/2018			
4/19/2018			<0.0005
10/1/2018			<0.0005
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.0005		
2/25/2019			
2/27/2019		<0.0005	
4/3/2019			<0.0005
5/7/2019			
9/16/2019			
9/17/2019		<0.0005	
9/18/2019	<0.0005		<0.0005
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.0005
2/26/2020	<0.0005	<0.0005	
7/22/2020			<0.0005
7/23/2020	<0.0005	<0.0005	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.0005	<0.0005	<0.0005
9/21/2021			
9/22/2021			
9/28/2021			<0.0005
9/29/2021	<0.0005	<0.0005	
4/20/2022	<0.0005		
4/26/2022		<0.0005	<0.0005
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.0005	<0.0005							
3/29/2016			<0.0005						
5/18/2016	<0.0005	<0.0005	<0.0005						
7/11/2016		<0.0005							
7/13/2016	<0.0005		<0.0005			<0.0005			
7/14/2016							<0.0005		
8/22/2016						<0.0005	<0.0005		
9/13/2016	<0.0005					<0.0005	<0.0005		
9/14/2016		<0.0005	<0.0005						
11/14/2016			<0.0005						
11/15/2016						<0.0005	<0.0005		
11/16/2016	<0.0005	<0.0005							
1/3/2017						<0.0005	<0.0005		
2/27/2017	<0.0005								
2/28/2017			<0.0005						
3/1/2017		<0.0005				<0.0005	<0.0005		
5/22/2017	<0.0005								
5/23/2017		<0.0005				<0.0005	<0.0005		
5/24/2017			<0.0005						
6/19/2017		<0.0005	<0.0005						
6/20/2017						<0.0005	<0.0005		
6/21/2017	<0.0005								
1/9/2018			<0.0005					<0.0005	
1/10/2018	<0.0005	<0.0005				<0.0005			
4/17/2018						<0.0005	<0.0005		
4/19/2018	<0.0005	<0.0005	<0.0005						
10/1/2018			<0.0005						
10/2/2018	<0.0005								
10/3/2018		<0.0005							
10/4/2018						<0.0005	<0.0005		
12/5/2018								<0.0005	<0.0005
12/6/2018									
12/13/2018				<0.0005					
2/26/2019									
2/27/2019					<0.0005				
4/1/2019	<0.0005	<0.0005							
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/16/2019									
9/17/2019									<0.0005
9/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/18/2020	<0.0005								
2/19/2020								<0.0005	<0.0005
2/25/2020			<0.0005	<0.0005	<0.0005				
2/26/2020						<0.0005	<0.0005		
7/21/2020								<0.0005	<0.0005
7/22/2020			<0.0005	<0.0005	<0.0005				
7/27/2020	<0.0005								
7/28/2020						<0.0005	<0.0005		
7/29/2020									
4/5/2021	<0.0005								
4/6/2021								<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.0005	<0.0005		
4/12/2021			<0.0005	<0.0005	<0.0005				
9/21/2021								<0.0005	<0.0005
9/22/2021	<0.0005								
9/27/2021						<0.0005	<0.0005		
9/28/2021			<0.0005	<0.0005	<0.0005				
4/19/2022	<0.0005				<0.0005				
4/20/2022			<0.0005	<0.0005				<0.0005	<0.0005
4/27/2022									
5/2/2022									
5/3/2022						<0.0005	<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0005	
12/6/2018	<0.0005		
12/13/2018			
2/26/2019			<0.0005
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.0005
9/17/2019			
9/18/2019	<0.0005	<0.0005	
2/18/2020			
2/19/2020	<0.0005		
2/25/2020		<0.0005	<0.0005
2/26/2020			
7/21/2020		<0.0005	
7/22/2020	<0.0005		
7/27/2020			
7/28/2020			
7/29/2020			<0.0005
4/5/2021			<0.0005
4/6/2021		<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.0005		
4/12/2021			
9/21/2021		<0.0005	
9/22/2021	<0.0005		
9/27/2021			
9/28/2021			<0.0005
4/19/2022			
4/20/2022	<0.0005		
4/27/2022			<0.0005
5/2/2022		<0.0005	
5/3/2022			

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.0005							
3/30/2016									
5/17/2016		<0.0005							
5/23/2016									
7/11/2016		<0.0005							
7/14/2016									
9/13/2016									
9/14/2016		<0.0005							
11/15/2016									
11/16/2016		<0.0005							
2/28/2017									
3/1/2017		<0.0005							
5/23/2017		<0.0005							
5/24/2017									
6/19/2017		<0.0005							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.0005							
4/17/2018									
4/19/2018		<0.0005							
10/1/2018									
10/3/2018		<0.0005							
2/26/2019	<0.0005								
4/2/2019		<0.0005							
9/17/2019	<0.0005	<0.0005							
9/18/2019									
9/26/2019	<0.0005								
10/22/2019			<0.0005						
2/18/2020									
2/19/2020		<0.0005	<0.0005				<0.0005		
2/25/2020	<0.0005					<0.0005			
2/26/2020					<0.0005				
4/29/2020				<0.0005				<0.0005	<0.0005
7/20/2020					<0.0005				<0.0005
7/21/2020						<0.0005	<0.0005	<0.0005	
7/23/2020			<0.0005						
7/27/2020		<0.0005		<0.0005					
7/28/2020									
7/29/2020	<0.0005								
3/30/2021					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/5/2021	<0.0005	<0.0005		<0.0005					
4/6/2021			<0.0005						
4/7/2021									
9/22/2021						<0.0005			<0.0005
9/27/2021		<0.0005			<0.0005				
9/28/2021	<0.0005								
9/29/2021			<0.0005	<0.0005			<0.0005	<0.0005	
4/26/2022	<0.0005				<0.0005	<0.0005			<0.0005
4/27/2022				<0.0005			<0.0005	<0.0005	
5/2/2022			<0.0005						
5/3/2022		<0.0005							

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		0.000278 (J)	<0.0005
5/17/2016		<0.0005	
5/23/2016			<0.0005
7/11/2016		<0.0005	
7/14/2016			<0.0005
9/13/2016			<0.0005
9/14/2016		<0.0005	
11/15/2016			<0.0005
11/16/2016		<0.0005	
2/28/2017		<0.0005	
3/1/2017			<0.0005
5/23/2017			<0.0005
5/24/2017		<0.0005	
6/19/2017			
6/20/2017			<0.0005
6/21/2017		<0.0005	
1/9/2018			<0.0005
1/10/2018		<0.0005	
4/17/2018			<0.0005
4/19/2018		<0.0005	
10/1/2018			<0.0005
10/3/2018		<0.0005	
2/26/2019			
4/2/2019		<0.0005	<0.0005
9/17/2019		<0.0005	
9/18/2019			<0.0005
9/26/2019			
10/22/2019			
2/18/2020		<0.0005	
2/19/2020			
2/25/2020			
2/26/2020			<0.0005
4/29/2020	<0.0005		
7/20/2020	<0.0005		
7/21/2020			
7/23/2020			
7/27/2020		<0.0005	
7/28/2020			<0.0005
7/29/2020			
3/30/2021	<0.0005		
4/5/2021		<0.0005	
4/6/2021			
4/7/2021			<0.0005
9/22/2021			
9/27/2021	<0.0005	<0.0005	<0.0005
9/28/2021			
9/29/2021			
4/26/2022	<0.0005		
4/27/2022			
5/2/2022		<0.0005	
5/3/2022			<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.0005						
3/30/2016	<0.0005	<0.0005							
4/4/2016				<0.0005					
5/19/2016	<0.0005	<0.0005							
5/23/2016			<0.0005	<0.0005					
7/12/2016			<0.0005	<0.0005					
7/13/2016	<0.0005	<0.0005							
9/13/2016	<0.0005	<0.0005	<0.0005	<0.0005					
11/15/2016	<0.0005	<0.0005	<0.0005	<0.0005					
2/28/2017			<0.0005	<0.0005					
3/1/2017	<0.0005	<0.0005							
5/23/2017	<0.0005	<0.0005							
5/24/2017			<0.0005	<0.0005					
6/20/2017	<0.0005	<0.0005	<0.0005	<0.0005					
1/10/2018	<0.0005	<0.0005	<0.0005	<0.0005					
4/17/2018	<0.0005	<0.0005	<0.0005	<0.0005					
10/1/2018			<0.0005	<0.0005					
10/4/2018	<0.0005	<0.0005							
4/1/2019			<0.0005	<0.0005					
4/2/2019	<0.0005	<0.0005							
9/17/2019			<0.0005	<0.0005					
9/18/2019	<0.0005	<0.0005							
2/17/2020				<0.0005					
2/25/2020			<0.0005						
2/26/2020	<0.0005	<0.0005							
7/28/2020	<0.0005	<0.0005							
7/29/2020			<0.0005	<0.0005					
4/5/2021				<0.0005					
4/6/2021			<0.0005						
4/7/2021	<0.0005	<0.0005							
4/12/2021					<0.0005	<0.0005	<0.0005	<0.0005	
4/13/2021									<0.0005
9/21/2021			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/27/2021	<0.0005	<0.0005							
4/19/2022					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
5/2/2022			<0.0005	<0.0005					
5/3/2022	<0.0005	<0.0005							

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.0002	0.0126			
3/29/2016							0.288		2.19
3/30/2016	<0.0002	<0.0002	<0.0002	<0.0002					
5/17/2016	<0.0002				<0.0002		0.269		2.24
5/18/2016		<0.0002	<0.0002	<0.0002					
5/19/2016						0.0142			
7/11/2016					0.00361 (J)	0.0542			
7/13/2016	<0.0002	<0.0002	<0.0002						
7/14/2016				<0.0002			0.305		2.1
7/18/2016									
8/22/2016						0.0577			
9/12/2016			<0.0002	<0.0002					
9/13/2016	<0.0002	<0.0002			<0.0002		0.306		2.3
9/14/2016						0.0627			
11/14/2016		<0.0002	<0.0002	<0.0002			0.305		
11/15/2016	<0.0002				<0.0002	0.0712			
11/16/2016									1.92
1/3/2017						0.0788			
2/27/2017					<0.0002	0.121			
2/28/2017	<0.0002	<0.0002	<0.0002	<0.0002			0.368		2.6
5/22/2017	<0.0002	<0.0002				0.117			
5/24/2017			<0.0002	<0.0002	<0.0002		0.275		1.77
6/19/2017	<0.0002	<0.0002					0.26		1.9
6/20/2017						0.121			
6/21/2017			<0.0002	<0.0002	<0.0002				
1/9/2018		<0.0002	<0.0002	<0.0002	<0.0002	0.138	0.316		2.14
1/10/2018	<0.0002								
4/16/2018	<0.0002	<0.0002	<0.0002						
4/19/2018				<0.0002	<0.0002	0.141	0.275		1.87
10/1/2018							0.267		1.95
10/2/2018	<0.0002								
10/4/2018		<0.0002	<0.0002						
10/5/2018				<0.0002	<0.0002	0.214			
12/17/2018									
2/25/2019								0.667	
2/27/2019									
4/3/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.433	0.311		2.33
5/7/2019						0.292			
9/16/2019	<0.0002	<0.0002	<0.0002				0.32	0.625	
9/17/2019				<0.0002	<0.0002				2.33
9/18/2019						0.307			
2/17/2020	<0.0002	<0.0002							
2/18/2020			<0.0002						
2/19/2020				<0.0002	<0.0002				
2/25/2020						0.209	0.343	0.629	
2/26/2020									2.83
7/22/2020	<0.0002	<0.0002							
7/23/2020					<0.0002				
7/27/2020			<0.0002	<0.0002					
7/28/2020						0.167	0.328	0.628	
7/29/2020									2.79
4/5/2021	0.000248	0.00033	0.000366				0.514	0.614	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000329	0.000298	0.156			3.56
9/21/2021	0.00018 (J)	0.00026							
9/22/2021			0.0003	0.00031	0.00052				
9/28/2021						0.137	0.538	0.653	
9/29/2021									3.23
4/20/2022									2.99
4/26/2022									
4/27/2022					0.00052		0.519	0.694	
5/2/2022	0.00021	0.00038		0.0003		0.144			
5/3/2022			0.00033						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.017
3/30/2016			
5/17/2016			0.0167
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0161
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.0183
11/14/2016			0.0171
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.0209
5/22/2017			
5/24/2017			0.0168
6/19/2017			0.0173
6/20/2017			
6/21/2017			
1/9/2018			0.0211
1/10/2018			
4/16/2018			
4/19/2018			0.0186
10/1/2018			0.0192
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.455		
2/25/2019			
2/27/2019		1.82	
4/3/2019			0.0214
5/7/2019			
9/16/2019			
9/17/2019		1.73	
9/18/2019	0.801		0.0243
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0228
2/26/2020	1.02	1.89	
7/22/2020			0.0244
7/23/2020	0.968	1.99	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	1.26	2.22	0.0307
9/21/2021			
9/22/2021			
9/28/2021			0.0592
9/29/2021	1.11	2.12	
4/20/2022	1.17		
4/26/2022		2.06	0.0598
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.0157	0.00274 (J)							
3/29/2016			0.637						
5/18/2016	0.0125	<0.0002	0.657						
7/11/2016		<0.0002							
7/13/2016	0.0138		0.774			0.0119			
7/14/2016							0.0633		
8/22/2016						0.00256 (J)	0.0436		
9/13/2016	0.0127					0.00628 (J)	0.069		
9/14/2016		<0.0002	0.725						
11/14/2016			0.63						
11/15/2016						0.0105	0.094		
11/16/2016	0.0118	0.00215 (J)							
1/3/2017						0.0131	0.0783		
2/27/2017	0.0145								
2/28/2017			0.767						
3/1/2017		<0.0002				0.00593 (J)	0.0627		
5/22/2017	0.0122								
5/23/2017		<0.0002				0.00491 (J)	0.0684		
5/24/2017			0.623						
6/19/2017		<0.0002	0.667						
6/20/2017						0.00392 (J)	0.0637		
6/21/2017	0.0123								
1/9/2018			0.803				0.0789		
1/10/2018	0.0127	<0.0002				0.0126			
4/17/2018						0.00623 (J)	0.0638		
4/19/2018	0.0111	<0.0002	0.689						
10/1/2018			0.775						
10/2/2018	0.0113								
10/3/2018		<0.0002							
10/4/2018						0.0159	0.0698		
12/5/2018								0.00995 (J)	0.0169
12/6/2018									
12/13/2018				0.118					
2/26/2019									
2/27/2019					0.287				
4/1/2019	0.0132	<0.0002							
4/2/2019						0.00611 (J)	0.0703		
4/3/2019			0.803						
9/16/2019									
9/17/2019									0.0142
9/18/2019	0.0128	<0.0002	0.837	0.264	0.271	0.0172	0.0895	0.0054 (J)	
2/18/2020	0.0129								
2/19/2020								0.0077 (J)	0.0274
2/25/2020			0.813	0.257	0.281				
2/26/2020						0.0139	0.0691		
7/21/2020								0.00231 (J)	0.0181
7/22/2020			0.784	0.147	0.288				
7/27/2020	0.0133								
7/28/2020						0.00969 (J)	0.0677		
7/29/2020									
4/5/2021	0.0137								
4/6/2021								0.00163	0.0175

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.00838	0.0456		
4/12/2021			0.811	0.146	0.311				
9/21/2021								0.00537	0.0146
9/22/2021	0.0136								
9/27/2021						0.00769	0.0388		
9/28/2021			0.845	0.147	0.324				
4/19/2022	0.0146				0.338				
4/20/2022			0.84	0.174				0.00098	0.0172
4/27/2022									
5/2/2022									
5/3/2022						0.0116	0.0342		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.00824 (J)	
12/6/2018	<0.0002		
12/13/2018			
2/26/2019			0.465
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.469
9/17/2019			
9/18/2019	<0.0002	0.0187	
2/18/2020			
2/19/2020	<0.0002		
2/25/2020		0.00511 (J)	0.464
2/26/2020			
7/21/2020		0.0141	
7/22/2020	0.0027 (J)		
7/27/2020			
7/28/2020			
7/29/2020			0.483
4/5/2021			0.471
4/6/2021		0.00355	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.00202		
4/12/2021			
9/21/2021		0.00298	
9/22/2021	0.00244		
9/27/2021			
9/28/2021			0.491
4/19/2022			
4/20/2022	0.00235		
4/27/2022			0.487
5/2/2022		0.00501	
5/3/2022			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.00652 (J)							
3/30/2016									
5/17/2016		0.00651 (J)							
5/23/2016									
7/11/2016		0.00691 (J)							
7/14/2016									
9/13/2016									
9/14/2016		0.0074 (J)							
11/15/2016									
11/16/2016		0.00663 (J)							
2/28/2017									
3/1/2017		0.00856 (J)							
5/23/2017		0.00689 (J)							
5/24/2017									
6/19/2017		0.00687 (J)							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		0.00806 (J)							
4/17/2018									
4/19/2018		0.00659 (J)							
10/1/2018									
10/3/2018		0.00669 (J)							
2/26/2019	1.08								
4/2/2019		0.00766 (J)							
9/17/2019	1.04	0.00644 (J)							
9/18/2019									
9/26/2019	0.936								
10/22/2019			0.00346 (J)						
2/18/2020									
2/19/2020		0.00575 (J)	0.00389 (J)				0.344		
2/25/2020	1.09					0.126			
2/26/2020					0.259				
4/29/2020				0.0456				0.0266	0.0994
7/20/2020					0.0857				0.0698
7/21/2020						0.0306	0.352	0.0268	
7/23/2020			0.00248 (J)						
7/27/2020		0.0058 (J)		0.0199					
7/28/2020									
7/29/2020	0.999								
3/30/2021					0.0352	0.0174	0.273	0.0205	0.0663
4/5/2021	1.01	0.00538		0.0133					
4/6/2021			0.00231						
4/7/2021									
9/22/2021						0.0124			0.0506
9/27/2021		0.00469			0.0407				
9/28/2021	1.01								
9/29/2021			0.00213	0.0129			0.209	0.0199	
4/26/2022	1.06				0.0332	0.0292			0.0459
4/27/2022				0.0199			0.286	0.0128	
5/2/2022			0.00195						
5/3/2022		0.00439							

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.0002	0.205
5/17/2016		<0.0002	
5/23/2016			0.257
7/11/2016		<0.0002	
7/14/2016			0.273
9/13/2016			0.313
9/14/2016		<0.0002	
11/15/2016			0.314
11/16/2016		<0.0002	
2/28/2017		<0.0002	
3/1/2017			0.344
5/23/2017			0.287
5/24/2017		<0.0002	
6/19/2017			
6/20/2017			0.265
6/21/2017		<0.0002	
1/9/2018			0.352
1/10/2018		<0.0002	
4/17/2018			0.135
4/19/2018		<0.0002	
10/1/2018			0.294
10/3/2018		<0.0002	
2/26/2019			
4/2/2019		<0.0002	0.164
9/17/2019		<0.0002	
9/18/2019			0.261
9/26/2019			
10/22/2019			
2/18/2020		<0.0002	
2/19/2020			
2/25/2020			
2/26/2020			0.0546
4/29/2020	0.208		
7/20/2020	0.213		
7/21/2020			
7/23/2020			
7/27/2020		<0.0002	
7/28/2020			0.215
7/29/2020			
3/30/2021	0.227		
4/5/2021		0.000137 (J)	
4/6/2021			
4/7/2021			0.0562
9/22/2021			
9/27/2021	0.221	0.00026	0.0541
9/28/2021			
9/29/2021			
4/26/2022	0.176		
4/27/2022			
5/2/2022		0.0003	
5/3/2022			0.0389

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:36 PM

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			0.0042 (J)						
3/30/2016	0.0186	<0.0002							
4/4/2016				0.00344 (J)					
5/19/2016	0.0188	<0.0002							
5/23/2016			0.00283 (J)	0.00306 (J)					
7/12/2016			<0.0002	<0.0002					
7/13/2016	0.017	<0.0002							
9/13/2016	0.00943 (J)	<0.0002	<0.0002	<0.0002					
11/15/2016	0.00741 (J)	<0.0002	<0.0002	<0.0002					
2/28/2017			<0.0002	<0.0002					
3/1/2017	0.0146	<0.0002							
5/23/2017	0.00996 (J)	<0.0002							
5/24/2017			<0.0002	0.00364 (J)					
6/20/2017	0.0148	<0.0002	<0.0002	0.00282 (J)					
1/10/2018	0.0122	<0.0002	<0.0002	<0.0002					
4/17/2018	0.0146	<0.0002	<0.0002	<0.0002					
10/1/2018			<0.0002	<0.0002					
10/4/2018	0.0101	<0.0002							
4/1/2019			<0.0002	<0.0002					
4/2/2019	0.0166	<0.0002							
9/17/2019			<0.0002	<0.0002					
9/18/2019	0.0138	<0.0002							
2/17/2020				<0.0002					
2/25/2020			<0.0002						
2/26/2020	0.0157	<0.0002							
7/28/2020	0.0185	<0.0002							
7/29/2020			<0.0002	<0.0002					
4/5/2021				0.000821					
4/6/2021			0.000895						
4/7/2021	0.0119	0.00021							
4/12/2021					0.00167	0.000473	<0.0002	0.000402	
4/13/2021									0.000176 (J)
9/21/2021			0.00072	0.00102	0.00088	0.00019 (J)	<0.0002	0.00017 (J)	0.00015 (J)
9/27/2021	0.0118	0.00026							
4/19/2022					0.00074	0.00012 (J)	<0.0002	0.0002 (J)	0.00013 (J)
5/2/2022			0.00107	0.0012					
5/3/2022	0.00912	0.00024							

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					7.34	7.43			
3/29/2016							8.15		9.66
3/30/2016	7.45	7.63	7.39	7.27					
5/17/2016	7.68				7.22		8.18		9.56
5/18/2016		7.64	7.34	7.37					
5/19/2016						7.43			
7/11/2016					7.32	7.58			
7/13/2016	7.71	7.84	7.52						
7/14/2016				7.51			8.23		9.63
7/18/2016									
8/22/2016						7.56			
9/12/2016			7.39	7.39					
9/13/2016	7.53	7.69			7.35		8.25		9.57
9/14/2016						7.52			
11/14/2016		7.7	7.42	7.37			8.31		
11/15/2016	7.53				7.32	7.57			
11/16/2016									9.59
1/3/2017						7.62			
2/27/2017					7.38	7.52			
2/28/2017	7.58	7.79	7.46	7.32			8.31		9.56
5/22/2017	7.51	7.72				7.52			
5/24/2017			7.39	7.44	7.41		8.22		9.71
6/19/2017	7.53	7.73					8.18		9.67
6/20/2017						7.46			
6/21/2017			7.36	7.39	7.26				
8/14/2017	7.52	7.67	7.36	7.39		7.57	8.32		9.62
8/15/2017					7.33				
1/9/2018		7.82	7.45	7.5	7.5	7.64	8.21		9.77
1/10/2018	7.64								
4/16/2018	7.54	7.71	7.36						
4/19/2018				7.38	7.48	7.51	8.28		9.59
10/1/2018							8.14		9.48
10/2/2018	7.54								
10/4/2018		7.71	7.37						
10/5/2018				7.25	7.05	7.33			
12/17/2018									
2/25/2019								8.67	
2/27/2019									
4/3/2019	7.6	7.75	7.37	7.41	7.43	7.7	8.3		9.56
5/7/2019						7.57			
9/16/2019	7.6	7.71	7.44				7.94	8.32	
9/17/2019				7.45	7.3				9.18
9/18/2019						7.5			
10/8/2019	7.59	7.74							
2/17/2020	7.61	7.74							
2/18/2020			7.42						
2/19/2020				7.42	7.52				
2/25/2020						7.64	8.38	8.61	
2/26/2020									9.61
7/22/2020	7.64	7.76							
7/23/2020					7.44				
7/27/2020			7.47	7.48					

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
7/28/2020						7.5	8.02	8.09	
7/29/2020									9.38
4/5/2021	6.93	7.63	6.88				7.76	8.54	
4/6/2021				7.5	7.51	7.64			9.59
9/21/2021	7.02	7.64							
9/22/2021			7.48	7.59	7.5				
9/28/2021						7.63	8.2	8.59	
9/29/2021									9.33
4/20/2022									9.25
4/26/2022									
4/27/2022					7.07		8.17	8.45	
5/2/2022	7.12	7.16		7.46		7.49			
5/3/2022			7.39						

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			6.95
3/30/2016			
5/17/2016			6.87
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			6.85
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			6.9
11/14/2016			6.89
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			6.83
5/22/2017			
5/24/2017			6.87
6/19/2017			6.89
6/20/2017			
6/21/2017			
8/14/2017			6.89
8/15/2017			
1/9/2018			6.95
1/10/2018			
4/16/2018			
4/19/2018			6.89
10/1/2018			6.89
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	7.16		
2/25/2019			
2/27/2019		8.78	
4/3/2019			6.9
5/7/2019			
9/16/2019			
9/17/2019		8.66	
9/18/2019	7.13		6.86
10/8/2019			
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			6.89
2/26/2020	7.55	8.84	
7/22/2020			6.54
7/23/2020	7.54	8.49	
7/27/2020			

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
7/28/2020			
7/29/2020			
4/5/2021			
4/6/2021	7.56	8.6	6.67
9/21/2021			
9/22/2021			
9/28/2021			6.48
9/29/2021	7.61	8.3	
4/20/2022	7.63		
4/26/2022		8.39	6.77
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	7.24	7.79							
3/29/2016			7.96						
5/18/2016	7.5	7.73	7.88						
7/11/2016		7.99							
7/13/2016	7.63		7.92			7.83			
7/14/2016							7.74		
8/22/2016						7.86	7.55		
9/13/2016	7.53					7.75	7.63		
9/14/2016		7.75	7.85						
11/14/2016			7.84						
11/15/2016						7.66	7.74		
11/16/2016	7.55	7.64							
1/3/2017						7.57	7.69		
2/27/2017	7.53								
2/28/2017			7.81						
3/1/2017		7.65				7.53	7.47		
5/22/2017	7.5								
5/23/2017		7.67				7.78	7.5		
5/24/2017			7.65						
6/19/2017		7.65	7.79						
6/20/2017						7.82	7.37		
6/21/2017	7.51								
8/14/2017	7.43		7.82						
8/15/2017		7.69				7.73	7.26		
1/9/2018			7.87						7.49
1/10/2018	7.5	7.8				7.67			
4/17/2018						7.66	7.33		
4/19/2018	7.5	7.54	7.85						
10/1/2018			7.82						
10/2/2018	7.57								
10/3/2018		7.68							
10/4/2018						7.51	7.47		
12/5/2018								8.29	7.18
12/6/2018									
12/13/2018				7.23					
1/2/2019				6.85				8.04	7.2
1/3/2019									
2/26/2019									
2/27/2019					8.45				
4/1/2019	7.58	7.76							
4/2/2019						7.67	7.33		
4/3/2019			7.45						
5/7/2019				7.11					
9/16/2019									
9/17/2019									6.88
9/18/2019	7.6	7.69	7.9	7.14	8.32	7.15	7.21	7.72	
2/18/2020	7.64								
2/19/2020								7.92	7.36
2/25/2020			7.9	7.16	8.31				
2/26/2020						7.43	7.33		
7/21/2020								7.63	7.28
7/22/2020			7.84	7.18	8.25				

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
7/27/2020	7.56								
7/28/2020						7.58	7.43		
7/29/2020									
4/5/2021	7.66								
4/6/2021								7.89	7.23
4/7/2021						7.24	6.7		
4/12/2021			7.96	7.02	8.14				
9/21/2021								8.08	7.27
9/22/2021	7.86								
9/27/2021						7.64	7.23		
9/28/2021			7.76	6.87	8.03				
4/19/2022	7.63				8.11				
4/20/2022			7.83	7.1				7.86	6.43
4/27/2022									
5/2/2022									
5/3/2022						7.48	7.21		

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		6.82	
12/6/2018	7.23		
12/13/2018			
1/2/2019			
1/3/2019	7.57	6.76	
2/26/2019			8.31
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
5/7/2019			
9/16/2019			8.22
9/17/2019			
9/18/2019	7.49	6.68	
2/18/2020			
2/19/2020	7.54		
2/25/2020		6.7	8.32
2/26/2020			
7/21/2020		6.9	
7/22/2020	7.42		

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
7/27/2020			
7/28/2020			
7/29/2020			8.3
4/5/2021			7.91
4/6/2021		6.26	
4/7/2021	7.57		
4/12/2021			
9/21/2021		6.58	
9/22/2021	7.76		
9/27/2021			
9/28/2021			8.38
4/19/2022			
4/20/2022	6.87		
4/27/2022			7.83
5/2/2022		6.74	
5/3/2022			

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		7.82							
3/30/2016									
5/17/2016		7.79							
5/23/2016									
7/11/2016		7.96							
7/14/2016									
9/13/2016									
9/14/2016		7.79							
11/15/2016									
11/16/2016		7.72							
2/28/2017									
3/1/2017		7.68							
5/23/2017		7.69							
5/24/2017									
6/19/2017		7.67							
6/20/2017									
6/21/2017									
8/15/2017		7.73							
1/9/2018									
1/10/2018		7.84							
4/17/2018									
4/19/2018		7.69							
10/1/2018									
10/3/2018		7.7							
2/26/2019	8.61								
4/2/2019		7.8							
9/17/2019		7.8							
9/18/2019									
9/26/2019	8.47								
2/18/2020									
2/19/2020		7.8	7.22				8.09		
2/25/2020	8.48					7.72			
2/26/2020					8.01				
4/29/2020				7.68				7.71	8.05
7/20/2020					7.42				8.07
7/21/2020						7.51	7.98	7.69	
7/23/2020			7.07						
7/27/2020		7.69		7.97					
7/28/2020									
7/29/2020	8.38								
3/30/2021					7.86	7.82	7.88	7.91	8.11
4/5/2021	8.16	7.67		8.19					
4/6/2021			7.15						
4/7/2021									
9/22/2021						7.78			7.93
9/27/2021		7.81			8.14				
9/28/2021	8.58								
9/29/2021			7.73	8.47			8.44	7.83	
4/26/2022	8.29				7.84	7.42			8.03
4/27/2022				7.71			7.86	8	
5/2/2022			7.14						
5/3/2022		7.72							

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		7.31	7.61
5/17/2016		7.35	
5/23/2016			7.68
7/11/2016		7.43	
7/14/2016			7.79
9/13/2016			7.69
9/14/2016		7.26	
11/15/2016			7.72
11/16/2016		7.19	
2/28/2017		7.23	
3/1/2017			7.55
5/23/2017			7.64
5/24/2017		7.26	
6/19/2017			
6/20/2017			7.5
6/21/2017		7.26	
8/15/2017		7.29	7.46
1/9/2018			7.71
1/10/2018		7.17	
4/17/2018			7.29
4/19/2018		7.27	
10/1/2018			7.68
10/3/2018		7.09	
2/26/2019			
4/2/2019		7.34	7.47
9/17/2019		7.65	
9/18/2019			7.53
9/26/2019			
2/18/2020		7.34	
2/19/2020			
2/25/2020			
2/26/2020			7.47
4/29/2020	7.94		
7/20/2020	7.8		
7/21/2020			
7/23/2020			
7/27/2020		7.3	
7/28/2020			7.7
7/29/2020			
3/30/2021	8.04		
4/5/2021		7.33	
4/6/2021			
4/7/2021			7.47
9/22/2021			
9/27/2021	7.88	7.37	7.55
9/28/2021			
9/29/2021			
4/26/2022	7.9		
4/27/2022			
5/2/2022		6.68	
5/3/2022			7.01

Time Series

Constituent: pH (pH) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			7.2						
3/30/2016	7.95	7.45							
4/4/2016				7.32					
5/19/2016	7.88	7.5							
5/23/2016			7.39	7.66					
7/12/2016			7.43	7.77					
7/13/2016	8.07	7.58							
9/13/2016	8.04	7.53	7.38	7.7					
11/15/2016	7.93	7.48	7.35	7.69					
2/28/2017			7.3	7.66					
3/1/2017	7.89	7.46							
5/23/2017	7.96	7.51							
5/24/2017			7.33	7.64					
6/20/2017	7.87	7.52	7.33	7.62					
8/15/2017	7.86	7.43	7.31						
8/16/2017				7.51					
1/10/2018	7.98	7.57	7.36	7.72					
4/17/2018	7.82	7.5	7.28	7.57					
10/1/2018			7.33	7.59					
10/4/2018	7.87	7.49							
4/1/2019			7.4	7.64					
4/2/2019	7.73	7.24							
9/17/2019			7.55	8.07					
9/18/2019	7.85	7.52							
2/17/2020				7.75					
2/25/2020			7.39						
2/26/2020	7.8	7.51							
7/28/2020	7.62	7.32							
7/29/2020			7.39	7.66					
4/5/2021				7.8					
4/6/2021			7.23						
4/7/2021	7.02	7.51							
4/12/2021					7.09	7.77	7.18	7.99	
4/13/2021									6.14
9/21/2021			7.3	7.72	7.3	7.12	7.3	7.85	6.07
9/27/2021	7.92	7.74							
4/19/2022					6.85	7.68	6.8	7.91	6.31
5/2/2022			7.44	7.7					
5/3/2022	7.63	7.53							

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.00102	<0.00102			
3/29/2016							<0.00102		<0.00102
3/30/2016	<0.00102	<0.00102	<0.00102	<0.00102					
5/17/2016	<0.00102				<0.00102		<0.00102		<0.00102
5/18/2016		<0.00102	<0.00102	<0.00102					
5/19/2016						<0.00102			
7/11/2016					<0.00102	<0.00102			
7/13/2016	<0.00102	<0.00102	<0.00102						
7/14/2016				<0.00102			<0.00102		<0.00102
7/18/2016									
8/22/2016						<0.00102			
9/12/2016			<0.00102	<0.00102					
9/13/2016	<0.00102	<0.00102			<0.00102		<0.00102		<0.00102
9/14/2016						<0.00102			
11/14/2016		<0.00102	<0.00102	<0.00102			<0.00102		
11/15/2016	<0.00102				<0.00102	<0.00102			
11/16/2016									<0.00102
1/3/2017						<0.00102			
2/27/2017					<0.00102	<0.00102			
2/28/2017	<0.00102	<0.00102	<0.00102	<0.00102			<0.00102		<0.00102
5/22/2017	<0.00102	<0.00102				<0.00102			
5/24/2017			<0.00102	<0.00102	<0.00102		<0.00102		<0.00102
6/19/2017	<0.00102	<0.00102					<0.00102		<0.00102
6/20/2017						<0.00102			
6/21/2017			<0.00102	<0.00102	<0.00102				
1/9/2018		<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
1/10/2018	<0.00102								
4/16/2018	<0.00102	<0.00102	<0.00102						
4/19/2018				<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
10/1/2018							<0.00102		<0.00102
10/2/2018	<0.00102								
10/4/2018		<0.00102	<0.00102						
10/5/2018				<0.00102	<0.00102	<0.00102			
12/17/2018									
2/25/2019								<0.00102	
2/27/2019									
4/3/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102		<0.00102
5/7/2019						<0.00102			
9/16/2019	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	
9/17/2019				<0.00102	<0.00102				<0.00102
9/18/2019						<0.00102			
2/17/2020	<0.00102	<0.00102							
2/18/2020			<0.00102						
2/19/2020				<0.00102	<0.00102				
2/25/2020						<0.00102	<0.00102	<0.00102	
2/26/2020									<0.00102
7/22/2020	<0.00102	<0.00102							
7/23/2020					<0.00102				
7/27/2020			<0.00102	<0.00102					
7/28/2020						<0.00102	<0.00102	<0.00102	
7/29/2020									<0.00102
4/5/2021	<0.00102	<0.00102	<0.00102				<0.00102	<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.00102	<0.00102	<0.00102			<0.00102
9/21/2021	<0.00102	<0.00102							
9/22/2021			<0.00102	<0.00102	<0.00102				
9/28/2021						<0.00102	<0.00102	<0.00102	
9/29/2021									<0.00102
4/20/2022									<0.00102
4/26/2022									
4/27/2022					<0.00102		<0.00102	<0.00102	
5/2/2022	0.00055 (J)	<0.00102		<0.00102		<0.00102			
5/3/2022			<0.00102						

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.00102
3/30/2016			
5/17/2016			<0.00102
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.00102
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.00102
11/14/2016			<0.00102
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.00102
5/22/2017			
5/24/2017			<0.00102
6/19/2017			<0.00102
6/20/2017			
6/21/2017			
1/9/2018			<0.00102
1/10/2018			
4/16/2018			
4/19/2018			<0.00102
10/1/2018			<0.00102
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.00102		
2/25/2019			
2/27/2019		<0.00102	
4/3/2019			<0.00102
5/7/2019			
9/16/2019			
9/17/2019		<0.00102	
9/18/2019	<0.00102		<0.00102
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.00102
2/26/2020	<0.00102	<0.00102	
7/22/2020			<0.00102
7/23/2020	<0.00102	<0.00102	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.00102	<0.00102	<0.00102
9/21/2021			
9/22/2021			
9/28/2021			<0.00102
9/29/2021	<0.00102	<0.00102	
4/20/2022	<0.00102		
4/26/2022		<0.00102	<0.00102
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.00102	<0.00102							
3/29/2016			<0.00102						
5/18/2016	<0.00102	<0.00102	<0.00102						
7/11/2016		<0.00102							
7/13/2016	<0.00102		<0.00102			<0.00102			
7/14/2016							<0.00102		
8/22/2016						<0.00102	<0.00102		
9/13/2016	<0.00102					<0.00102	<0.00102		
9/14/2016		<0.00102	<0.00102						
11/14/2016			<0.00102						
11/15/2016						<0.00102	<0.00102		
11/16/2016	<0.00102	<0.00102							
1/3/2017						<0.00102	<0.00102		
2/27/2017	<0.00102								
2/28/2017			<0.00102						
3/1/2017		<0.00102				<0.00102	<0.00102		
5/22/2017	<0.00102								
5/23/2017		<0.00102				<0.00102	<0.00102		
5/24/2017			<0.00102						
6/19/2017		<0.00102	<0.00102						
6/20/2017						<0.00102	<0.00102		
6/21/2017	<0.00102								
1/9/2018			<0.00102					<0.00102	
1/10/2018	<0.00102	<0.00102				<0.00102			
4/17/2018						<0.00102	<0.00102		
4/19/2018	<0.00102	<0.00102	<0.00102						
10/1/2018			<0.00102						
10/2/2018	<0.00102								
10/3/2018		<0.00102							
10/4/2018						<0.00102	<0.00102		
12/5/2018								<0.00102	<0.00102
12/6/2018									
12/13/2018				<0.00102					
2/26/2019									
2/27/2019					<0.00102				
4/1/2019	<0.00102	<0.00102							
4/2/2019						<0.00102	<0.00102		
4/3/2019			<0.00102						
9/16/2019									
9/17/2019									<0.00102
9/18/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	
2/18/2020	<0.00102								
2/19/2020								<0.00102	<0.00102
2/25/2020			<0.00102	<0.00102	<0.00102				
2/26/2020						<0.00102	<0.00102		
7/21/2020								<0.00102	<0.00102
7/22/2020			<0.00102	<0.00102	<0.00102				
7/27/2020	<0.00102								
7/28/2020						<0.00102	<0.00102		
7/29/2020									
4/5/2021	<0.00102								
4/6/2021								<0.00102	<0.00102

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.00102	<0.00102		
4/12/2021			<0.00102	<0.00102	<0.00102				
9/21/2021								<0.00102	0.00068 (J)
9/22/2021	<0.00102								
9/27/2021						<0.00102	<0.00102		
9/28/2021			<0.00102	<0.00102	<0.00102				
4/19/2022	<0.00102				<0.00102				
4/20/2022			<0.00102	<0.00102				<0.00102	<0.00102
4/27/2022									
5/2/2022									
5/3/2022						<0.00102	<0.00102		

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.00102	
12/6/2018	<0.00102		
12/13/2018			
2/26/2019			<0.00102
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.00102
9/17/2019			
9/18/2019	<0.00102	<0.00102	
2/18/2020			
2/19/2020	<0.00102		
2/25/2020		<0.00102	<0.00102
2/26/2020			
7/21/2020		<0.00102	
7/22/2020	<0.00102		
7/27/2020			
7/28/2020			
7/29/2020			<0.00102
4/5/2021			<0.00102
4/6/2021		<0.00102	

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.00102		
4/12/2021			
9/21/2021		<0.00102	
9/22/2021	<0.00102		
9/27/2021			
9/28/2021			<0.00102
4/19/2022			
4/20/2022	<0.00102		
4/27/2022			<0.00102
5/2/2022		<0.00102	
5/3/2022			

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.00102							
3/30/2016									
5/17/2016		<0.00102							
5/23/2016									
7/11/2016		<0.00102							
7/14/2016									
9/13/2016									
9/14/2016		<0.00102							
11/15/2016									
11/16/2016		<0.00102							
2/28/2017									
3/1/2017		<0.00102							
5/23/2017		<0.00102							
5/24/2017									
6/19/2017		<0.00102							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.00102							
4/17/2018									
4/19/2018		<0.00102							
10/1/2018									
10/3/2018		<0.00102							
2/26/2019	<0.00102								
4/2/2019		<0.00102							
9/17/2019	<0.00102	<0.00102							
9/18/2019									
9/26/2019	<0.00102								
10/22/2019			<0.00102						
2/18/2020									
2/19/2020		<0.00102	<0.00102				<0.00102		
2/25/2020	<0.00102					<0.00102			
2/26/2020					<0.00102				
4/29/2020				<0.00102				<0.00102	<0.00102
7/20/2020					<0.00102				<0.00102
7/21/2020						<0.00102	<0.00102	<0.00102	
7/23/2020			<0.00102						
7/27/2020		<0.00102		<0.00102					
7/28/2020									
7/29/2020	<0.00102								
3/30/2021					<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
4/5/2021	<0.00102	<0.00102		<0.00102					
4/6/2021			<0.00102						
4/7/2021									
9/22/2021						<0.00102			<0.00102
9/27/2021		<0.00102			<0.00102				
9/28/2021	<0.00102								
9/29/2021			<0.00102	<0.00102			<0.00102	<0.00102	
4/26/2022	<0.00102				<0.00102	<0.00102			<0.00102
4/27/2022				<0.00102			<0.00102	<0.00102	
5/2/2022			<0.00102						
5/3/2022		<0.00102							

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.00102	<0.00102
5/17/2016		<0.00102	
5/23/2016			<0.00102
7/11/2016		<0.00102	
7/14/2016			<0.00102
9/13/2016			<0.00102
9/14/2016		<0.00102	
11/15/2016			<0.00102
11/16/2016		<0.00102	
2/28/2017		<0.00102	
3/1/2017			<0.00102
5/23/2017			<0.00102
5/24/2017		<0.00102	
6/19/2017			
6/20/2017			<0.00102
6/21/2017		<0.00102	
1/9/2018			<0.00102
1/10/2018		<0.00102	
4/17/2018			<0.00102
4/19/2018		<0.00102	
10/1/2018			<0.00102
10/3/2018		<0.00102	
2/26/2019			
4/2/2019		<0.00102	<0.00102
9/17/2019		<0.00102	
9/18/2019			<0.00102
9/26/2019			
10/22/2019			
2/18/2020		<0.00102	
2/19/2020			
2/25/2020			
2/26/2020			<0.00102
4/29/2020	<0.00102		
7/20/2020	<0.00102		
7/21/2020			
7/23/2020			
7/27/2020		<0.00102	
7/28/2020			<0.00102
7/29/2020			
3/30/2021	<0.00102		
4/5/2021		<0.00102	
4/6/2021			
4/7/2021			<0.00102
9/22/2021			
9/27/2021	<0.00102	<0.00102	<0.00102
9/28/2021			
9/29/2021			
4/26/2022	<0.00102		
4/27/2022			
5/2/2022		<0.00102	
5/3/2022			<0.00102

Time Series

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.00102						
3/30/2016	<0.00102	<0.00102							
4/4/2016				<0.00102					
5/19/2016	<0.00102	<0.00102							
5/23/2016			<0.00102	<0.00102					
7/12/2016			<0.00102	<0.00102					
7/13/2016	<0.00102	<0.00102							
9/13/2016	<0.00102	<0.00102	<0.00102	<0.00102					
11/15/2016	<0.00102	<0.00102	<0.00102	<0.00102					
2/28/2017			<0.00102	<0.00102					
3/1/2017	<0.00102	<0.00102							
5/23/2017	<0.00102	<0.00102							
5/24/2017			<0.00102	<0.00102					
6/20/2017	<0.00102	<0.00102	<0.00102	<0.00102					
1/10/2018	<0.00102	<0.00102	<0.00102	<0.00102					
4/17/2018	<0.00102	<0.00102	<0.00102	<0.00102					
10/1/2018			<0.00102	<0.00102					
10/4/2018	<0.00102	<0.00102							
4/1/2019			<0.00102	<0.00102					
4/2/2019	<0.00102	<0.00102							
9/17/2019			<0.00102	<0.00102					
9/18/2019	<0.00102	<0.00102							
2/17/2020				<0.00102					
2/25/2020			<0.00102						
2/26/2020	<0.00102	<0.00102							
7/28/2020	<0.00102	<0.00102							
7/29/2020			<0.00102	<0.00102					
4/5/2021				<0.00102					
4/6/2021			<0.00102						
4/7/2021	<0.00102	<0.00102							
4/12/2021					<0.00102	<0.00102	<0.00102	<0.00102	
4/13/2021									<0.00102
9/21/2021			<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
9/27/2021	<0.00102	<0.00102							
4/19/2022					<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
5/2/2022			<0.00102	<0.00102					
5/3/2022	<0.00102	<0.00102							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					66.6	147			
3/29/2016							146		254
3/30/2016	9.91	32.2	85	<2					
5/17/2016	7.27				63.9		140		251
5/18/2016		30.8	83.8	0.492 (J)					
5/19/2016						224			
7/11/2016					57.6	133			
7/13/2016	4.11	32.4	86.2						
7/14/2016				0.38 (J)			135		246
7/18/2016									
8/22/2016						134			
9/12/2016			91.8	<2					
9/13/2016	2.86	30.9			82.8		129		238
9/14/2016						130			
11/14/2016		32.1	91.2	<2			131		
11/15/2016	2.16				118	132			
11/16/2016									234
1/3/2017						143			
2/27/2017					62 (J)	130			
2/28/2017	3.7 (J)	32	86	<2			130		240
5/22/2017	2.6 (J)	32				120			
5/24/2017			92	<2	56		130		230
6/19/2017	2.8 (J)	33					110		200
6/20/2017						120			
6/21/2017			88	<2	75				
8/14/2017	3.4 (J)	34	100	<2		140	140		250
8/15/2017					67				
4/16/2018	3.4 (J)	33	91						
4/19/2018				<2	53	150	130		250
10/1/2018							80		280
10/2/2018	2.6 (J)								
10/4/2018		37	76						
10/5/2018				<2	160	260			
12/17/2018									
2/25/2019								142	
2/27/2019									
4/3/2019	3.85	44.2	102	0.925 (J)	75.2	339	161		346
5/7/2019						351			
9/16/2019	3.39	49.2	108				147	137	
9/17/2019				<2	131				322
9/18/2019						283			
2/17/2020	3.56	45.2							
2/18/2020			110						
2/19/2020				0.571 (J)	110				
2/25/2020						326	161	146	
2/26/2020									351
7/22/2020	3.65	45.3							
7/23/2020					97.9				
7/27/2020			108	<2					
7/28/2020						239	143	137	
7/29/2020									309
4/5/2021	11.4	50.1	96.8				172	150	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<2	77.5	230			421
9/21/2021	5.56	55.4							
9/22/2021			131	0.521 (J)	116				
9/28/2021						245	188	177	
9/29/2021									425
4/20/2022									444
4/26/2022									
4/27/2022					118		191	173	
5/2/2022	4.75	58.3		<2		224			
5/3/2022			97						

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			163
3/30/2016			
5/17/2016			159
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			154
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			143
11/14/2016			151
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			140
5/22/2017			
5/24/2017			150
6/19/2017			140
6/20/2017			
6/21/2017			
8/14/2017			150
8/15/2017			
4/16/2018			
4/19/2018			140
10/1/2018			140
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	220		
2/25/2019			
2/27/2019		265	
4/3/2019			168
5/7/2019			
9/16/2019			
9/17/2019		243	
9/18/2019	260		173
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			210
2/26/2020	302	288	
7/22/2020			180
7/23/2020	276	254	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	297	288	181
9/21/2021			
9/22/2021			
9/28/2021			205
9/29/2021	304	283	
4/20/2022	323		
4/26/2022		287	216
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	16.8	2.09							
3/29/2016			556						
5/18/2016	14.9	1.92	559						
7/11/2016		3.41							
7/13/2016	24.2		560			159			
7/14/2016							172		
8/22/2016						107	170		
9/13/2016	16.8					155	171		
9/14/2016		4.94	553						
11/14/2016			551						
11/15/2016						172	173		
11/16/2016	21.7	10.5							
1/3/2017						163	183		
2/27/2017	23								
2/28/2017			560						
3/1/2017		5.1				140	170		
5/22/2017	26								
5/23/2017		2.3 (J)				140	180		
5/24/2017			530						
6/19/2017		2.1 (J)	510						
6/20/2017						130	160		
6/21/2017	20								
8/14/2017	22		540						
8/15/2017		1.7 (J)				150	170		
4/17/2018						150	160		
4/19/2018	24	<2	520						
10/1/2018			590						
10/2/2018	24								
10/3/2018		1.7 (J)							
10/4/2018						180	150		
12/5/2018								110	76
12/6/2018									
1/2/2019				180					
2/26/2019									
2/27/2019					491				
4/1/2019	24.4	1.87							
4/2/2019						189	212		
4/3/2019			577						
9/16/2019									
9/17/2019									67.1
9/18/2019	23.6	2.39	526	379	481	197	180	102	
2/18/2020	25.6								
2/19/2020								119	69.4
2/25/2020			674	470	599				
2/26/2020						199	196		
7/21/2020								51.1	59.8
7/22/2020			568	432	507				
7/27/2020	23.7								
7/28/2020						177	175		
7/29/2020									
4/5/2021	23.1								
4/6/2021								33.5	46.3

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						145	124		
4/12/2021			547	421	499				
9/21/2021								80.7	39.6
9/22/2021	25.9								
9/27/2021						162	122		
9/28/2021			583	423	528				
4/19/2022	27.6				498 (D)				
4/20/2022			575	416				42.6	40.1
4/27/2022									
5/2/2022									
5/3/2022						131	74.2		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		66	
12/6/2018	150		
1/2/2019			
2/26/2019			131
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			126
9/17/2019			
9/18/2019	142	120	
2/18/2020			
2/19/2020	143		
2/25/2020		26.5	134
2/26/2020			
7/21/2020		69.6	
7/22/2020	131		
7/27/2020			
7/28/2020			
7/29/2020			134
4/5/2021			133
4/6/2021		18.3	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	124		
4/12/2021			
9/21/2021		12.1	
9/22/2021	118		
9/27/2021			
9/28/2021			133
4/19/2022			
4/20/2022	93.7		
4/27/2022			139
5/2/2022		14.9	
5/3/2022			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		7.57							
3/30/2016									
5/17/2016		5.12							
5/23/2016									
7/11/2016		4.63							
7/14/2016									
9/13/2016									
9/14/2016		3.19							
11/15/2016									
11/16/2016		3.71							
2/28/2017									
3/1/2017		3.4 (J)							
5/23/2017		2 (J)							
5/24/2017									
6/19/2017		2.5 (J)							
6/20/2017									
6/21/2017									
8/15/2017		2.4 (J)							
4/17/2018									
4/19/2018		1.9 (J)							
10/1/2018									
10/3/2018		2.7 (J)							
2/26/2019	164								
4/2/2019		3.24							
9/17/2019	161	4.51							
9/18/2019									
9/26/2019	179								
10/22/2019			23.4						
2/18/2020									
2/19/2020		3.73	43.2				492		
2/25/2020	177					55.5			
2/26/2020					119				
4/29/2020				93.9			39		214
7/20/2020					169				259
7/21/2020						24.4	496	43.4	
7/23/2020			35.3						
7/27/2020		4.11		49.6					
7/28/2020									
7/29/2020	163								
3/30/2021					144	17.4	452	39.4	199
4/5/2021	168	3.2		21.7					
4/6/2021			37.8						
4/7/2021									
9/22/2021						36			192
9/27/2021		2.76			150				
9/28/2021	172								
9/29/2021			28.7	13.7			496	38.5	
4/26/2022	180				130	36.8			165
4/27/2022				24.1			484	37.3	
5/2/2022			25.1						
5/3/2022		2.16							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		24.9	146
5/17/2016		25.1	
5/23/2016			160
7/11/2016		33.2	
7/14/2016			173
9/13/2016			173
9/14/2016		35.5	
11/15/2016			177
11/16/2016		38.5	
2/28/2017		32	
3/1/2017			160
5/23/2017			160
5/24/2017		30	
6/19/2017			
6/20/2017			150
6/21/2017		25	
8/15/2017		24	170
4/17/2018			130
4/19/2018		25	
10/1/2018			140
10/3/2018		37	
2/26/2019			
4/2/2019		22.4	122
9/17/2019		39.8	
9/18/2019			167
9/26/2019			
10/22/2019			
2/18/2020		21.4	
2/19/2020			
2/25/2020			
2/26/2020			39.8
4/29/2020	99.9		
7/20/2020	94.9		
7/21/2020			
7/23/2020			
7/27/2020		21.7	
7/28/2020			152
7/29/2020			
3/30/2021	97.3		
4/5/2021		15.6	
4/6/2021			
4/7/2021			38.7
9/22/2021			
9/27/2021	104	14.3	33.5
9/28/2021			
9/29/2021			
4/26/2022	91.3		
4/27/2022			
5/2/2022		11.1	
5/3/2022			34

Time Series

Constituent: Sulfate (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			29.9						
3/30/2016	204	215							
4/4/2016				13.5					
5/19/2016	206	204							
5/23/2016			26.5	1.78					
7/12/2016			24.3	0.915 (J)					
7/13/2016	176	155							
9/13/2016	151	89.8	17.8	<2					
11/15/2016	161	176	10.1	0.96 (J)					
2/28/2017			5.8	5.5					
3/1/2017	160	200							
5/23/2017	160	200							
5/24/2017			11	18					
6/20/2017	160	180	7.9	13					
8/15/2017	160	210	5						
8/16/2017				14					
4/17/2018	160	170	2.9 (J)	14					
10/1/2018			<2	11					
10/4/2018	150	200							
4/1/2019			1.8	14.3					
4/2/2019	198	186							
9/17/2019			4.62	13.9					
9/18/2019	177	199							
2/17/2020				14.7					
2/25/2020			3.89						
2/26/2020	178	207							
7/28/2020	189	160							
7/29/2020			3.25	14.7					
4/5/2021				15.1					
4/6/2021			3.29						
4/7/2021	151	164							
4/12/2021					14.6	7.23	2.99	12.6	
4/13/2021									4.92
9/21/2021			1.95	18.4	14.5	1.31	1.44	5.49	3.27
9/27/2021	156	143							
4/19/2022					11.4	0.934 (J)	1.37 (J)	2.72	2.25
5/2/2022			3.02	17.9					
5/3/2022	115	107							

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/5/2021	184	217	372				333	289	
4/6/2021				193	342	590			772
9/21/2021	174	217							
9/22/2021			375	210	394				
9/28/2021						566	354	297	
9/29/2021									842
4/20/2022									967
4/26/2022									
4/27/2022					417		369	318	
5/2/2022	173	234		201		574			
5/3/2022			371						

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			560
3/30/2016			
5/17/2016			540
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			546
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			542
11/14/2016			514
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			536
5/22/2017			
5/24/2017			536
6/19/2017			598
6/20/2017			
6/21/2017			
8/14/2017			550
8/15/2017			
4/16/2018			
4/19/2018			540
10/1/2018			514
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	448 (D)		
2/25/2019			
2/27/2019		459	
4/3/2019			560
5/7/2019			
9/16/2019			
9/17/2019		458	
9/18/2019	499		592
10/8/2019			
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			578
2/26/2020	495	467	
7/22/2020			594
7/23/2020	513	457	
7/27/2020			
7/28/2020			
7/29/2020			

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/5/2021			
4/6/2021	572	525	596
9/21/2021			
9/22/2021			
9/28/2021			608
9/29/2021	568	509	
4/20/2022	636		
4/26/2022		578	596
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						432	409		
4/12/2021			926	768	844				
9/21/2021								377	246
9/22/2021	218								
9/27/2021						443	402		
9/28/2021			922	740	850				
4/19/2022	225				855 (D)				
4/20/2022			946	748				320	276
4/27/2022									
5/2/2022									
5/3/2022						388	308		

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		317 (D)	
12/6/2018	444		
1/2/2019			
2/26/2019			277
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			276
9/17/2019			
9/18/2019	433	412	
2/18/2020			
2/19/2020	423		
2/25/2020		173	276
2/26/2020			
7/21/2020		288	
7/22/2020	406		
7/27/2020			
7/28/2020			
7/29/2020			278
4/5/2021			287
4/6/2021		143	

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	406		
4/12/2021			
9/21/2021		114	
9/22/2021	379		
9/27/2021			
9/28/2021			269
4/19/2022			
4/20/2022	354		
4/27/2022			282
5/2/2022		146	
5/3/2022			

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		147							
3/30/2016									
5/17/2016		140							
5/23/2016									
7/11/2016		146							
7/14/2016									
9/13/2016									
9/14/2016		141							
11/15/2016									
11/16/2016		157							
2/28/2017									
3/1/2017		148							
5/23/2017		141							
5/24/2017									
6/19/2017		126							
6/20/2017									
6/21/2017									
8/15/2017		146							
4/17/2018									
4/19/2018		143							
10/1/2018									
10/3/2018		148							
2/26/2019	326								
4/2/2019		140							
9/17/2019	331	145							
9/18/2019									
9/26/2019	327								
10/22/2019			396						
2/18/2020									
2/19/2020		149	463				802		
2/25/2020	330					353			
2/26/2020					315				
4/29/2020				373				227	742
7/20/2020					521				896
7/21/2020						333	816	249	
7/23/2020			440						
7/27/2020		154		361					
7/28/2020									
7/29/2020	328								
3/30/2021					483	329	810	252	767
4/5/2021	345	136		319					
4/6/2021			426						
4/7/2021									
9/22/2021						354			673
9/27/2021		132			447				
9/28/2021	340								
9/29/2021			415	309			844	275	
4/26/2022	359				433	303			596
4/27/2022				272			788	255	
5/2/2022			412						
5/3/2022		141							

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		339	398
5/17/2016		269	
5/23/2016			411
7/11/2016		305	
7/14/2016			424
9/13/2016			426
9/14/2016		326	
11/15/2016			412
11/16/2016		338	
2/28/2017		303	
3/1/2017			452
5/23/2017			448
5/24/2017		312	
6/19/2017			
6/20/2017			437
6/21/2017		241	
8/15/2017		281	440
4/17/2018			454
4/19/2018		282	
10/1/2018			449
10/3/2018		354	
2/26/2019			
4/2/2019		270	390
9/17/2019		332	
9/18/2019			434
9/26/2019			
10/22/2019			
2/18/2020		274	
2/19/2020			
2/25/2020			
2/26/2020			228
4/29/2020	273		
7/20/2020	252		
7/21/2020			
7/23/2020			
7/27/2020		284	
7/28/2020			406
7/29/2020			
3/30/2021	262		
4/5/2021		248	
4/6/2021			
4/7/2021			256
9/22/2021			
9/27/2021	249	237	240
9/28/2021			
9/29/2021			
4/26/2022	250		
4/27/2022			
5/2/2022		248	
5/3/2022			239

Time Series

Constituent: TDS (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			290						
3/30/2016	430	472							
4/4/2016				182					
5/19/2016	422	458							
5/23/2016			312	184					
7/12/2016			292	176					
7/13/2016	391	412							
9/13/2016	378	312	276	170					
11/15/2016	354	426	262	180					
2/28/2017			290	203					
3/1/2017	389	487							
5/23/2017	375	487							
5/24/2017			296	199					
6/20/2017	416	421	273	178					
8/15/2017	394	490	279						
8/16/2017				205					
4/17/2018	437	464	250	193					
10/1/2018			246	198					
10/4/2018	418	504							
4/1/2019			268	205					
4/2/2019	447	428							
9/17/2019			257	207					
9/18/2019	445	489							
2/17/2020				211					
2/25/2020			252						
2/26/2020	455	490							
7/28/2020	485	434							
7/29/2020			253	215					
4/5/2021				211					
4/6/2021			256						
4/7/2021	436	436							
4/12/2021					146	118	126	129	
4/13/2021									77.3
9/21/2021			256	205	139	111	148	115	83.3
9/27/2021	415	379							
4/19/2022					144	107	138	122	67.3
5/2/2022			237	209					
5/3/2022	376	329							

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.0002	<0.0002			
3/29/2016							<0.0002		<0.0002
3/30/2016	<0.0002	<0.0002	<0.0002	<0.0002					
5/17/2016	<0.0002				<0.0002		<0.0002		<0.0002
5/18/2016		<0.0002	<0.0002	<0.0002					
5/19/2016						<0.0002			
7/11/2016					<0.0002	<0.0002			
7/13/2016	<0.0002	<0.0002	<0.0002						
7/14/2016				<0.0002			<0.0002		<0.0002
7/18/2016									
8/22/2016						<0.0002			
9/12/2016			<0.0002	<0.0002					
9/13/2016	<0.0002	<0.0002			<0.0002		<0.0002		<0.0002
9/14/2016						<0.0002			
11/14/2016		<0.0002	<0.0002	<0.0002			<0.0002		
11/15/2016	<0.0002				<0.0002	<0.0002			
11/16/2016									<0.0002
1/3/2017						<0.0002			
2/27/2017					<0.0002	<0.0002			
2/28/2017	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002		<0.0002
5/22/2017	<0.0002	<0.0002				<0.0002			
5/24/2017			<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
6/19/2017	<0.0002	<0.0002					<0.0002		<0.0002
6/20/2017						<0.0002			
6/21/2017			<0.0002	<0.0002	<0.0002				
1/9/2018		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
1/10/2018	<0.0002								
4/16/2018	<0.0002	<0.0002	<0.0002						
4/19/2018				<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/1/2018							<0.0002		<0.0002
10/2/2018	<0.0002								
10/4/2018		<0.0002	<0.0002						
10/5/2018				<0.0002	<0.0002	<0.0002			
12/17/2018									
2/25/2019								0.000537 (J)	
2/27/2019									
4/3/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
5/7/2019						<0.0002			
9/16/2019	<0.0002	<0.0002	<0.0002				<0.0002	0.000604 (J)	
9/17/2019				<0.0002	<0.0002				<0.0002
9/18/2019						<0.0002			
2/17/2020	<0.0002	<0.0002							
2/18/2020			<0.0002						
2/19/2020				<0.0002	<0.0002				
2/25/2020						<0.0002	<0.0002	0.000552 (J)	
2/26/2020									<0.0002
7/22/2020	<0.0002	<0.0002							
7/23/2020					<0.0002				
7/27/2020			<0.0002	<0.0002					
7/28/2020						<0.0002	<0.0002	0.000514 (J)	
7/29/2020									<0.0002
4/5/2021	<0.0002	<0.0002	<0.0002				<0.0002	0.000465	

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.0002	<0.0002	<0.0002			<0.0002
9/21/2021	<0.0002	<0.0002							
9/22/2021			<0.0002	<0.0002	<0.0002				
9/28/2021						<0.0002	<0.0002	0.00047	
9/29/2021									<0.0002
4/20/2022									8E-05 (J)
4/26/2022									
4/27/2022					<0.0002		<0.0002	0.0006	
5/2/2022	<0.0002	<0.0002		<0.0002		<0.0002			
5/3/2022			<0.0002						

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.000428 (J)
3/30/2016			
5/17/2016			0.000343 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.000359 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.000345 (J)
11/14/2016			0.000367 (J)
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.000359 (J)
5/22/2017			
5/24/2017			0.000376 (J)
6/19/2017			0.000379 (J)
6/20/2017			
6/21/2017			
1/9/2018			0.000312 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.000418 (J)
10/1/2018			0.000371 (J)
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.0002		
2/25/2019			
2/27/2019		<0.0002	
4/3/2019			0.00034 (J)
5/7/2019			
9/16/2019			
9/17/2019		<0.0002	
9/18/2019	<0.0002		0.000479 (J)
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.000426 (J)
2/26/2020	0.000225 (J)	<0.0002	
7/22/2020			0.000456 (J)
7/23/2020	0.000254 (J)	<0.0002	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.000181 (J)	<0.0002	0.000389
9/21/2021			
9/22/2021			
9/28/2021			0.00036
9/29/2021	0.00021	<0.0002	
4/20/2022	0.00027		
4/26/2022		<0.0002	0.00044
4/27/2022			
5/2/2022			
5/3/2022			

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.0002	<0.0002							
3/29/2016			<0.0002						
5/18/2016	<0.0002	<0.0002	<0.0002						
7/11/2016		<0.0002							
7/13/2016	<0.0002		<0.0002			<0.0002			
7/14/2016							<0.0002		
8/22/2016						<0.0002	<0.0002		
9/13/2016	<0.0002					<0.0002	<0.0002		
9/14/2016		<0.0002	<0.0002						
11/14/2016			<0.0002						
11/15/2016						<0.0002	<0.0002		
11/16/2016	<0.0002	<0.0002							
1/3/2017						<0.0002	<0.0002		
2/27/2017	<0.0002								
2/28/2017			<0.0002						
3/1/2017		0.000265 (J)				<0.0002	<0.0002		
5/22/2017	<0.0002								
5/23/2017		0.000239 (J)				<0.0002	<0.0002		
5/24/2017			<0.0002						
6/19/2017		0.000202 (J)	<0.0002						
6/20/2017						<0.0002	<0.0002		
6/21/2017	<0.0002								
1/9/2018			<0.0002					<0.0002	
1/10/2018	<0.0002	<0.0002				<0.0002			
4/17/2018						<0.0002	<0.0002		
4/19/2018	<0.0002	<0.0002	<0.0002						
10/1/2018			<0.0002						
10/2/2018	<0.0002								
10/3/2018		<0.0002							
10/4/2018						<0.0002	<0.0002		
12/5/2018								<0.0002	<0.0002
12/6/2018									
12/13/2018				<0.0002					
2/26/2019									
2/27/2019					<0.0002				
4/1/2019	<0.0002	<0.0002							
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/16/2019									
9/17/2019									<0.0002
9/18/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2020	<0.0002								
2/19/2020								<0.0002	<0.0002
2/25/2020			<0.0002	<0.0002	<0.0002				
2/26/2020						<0.0002	<0.0002		
7/21/2020								<0.0002	<0.0002
7/22/2020			<0.0002	<0.0002	<0.0002				
7/27/2020	<0.0002								
7/28/2020						<0.0002	<0.0002		
7/29/2020									
4/5/2021	<0.0002								
4/6/2021								<0.0002	<0.0002

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.0002	<0.0002		
4/12/2021			<0.0002	<0.0002	<0.0002				
9/21/2021								<0.0002	<0.0002
9/22/2021	<0.0002								
9/27/2021						<0.0002	<0.0002		
9/28/2021			<0.0002	<0.0002	<0.0002				
4/19/2022	<0.0002				<0.0002				
4/20/2022			<0.0002	<0.0002				<0.0002	<0.0002
4/27/2022									
5/2/2022									
5/3/2022						<0.0002	<0.0002		

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0002	
12/6/2018	<0.0002		
12/13/2018			
2/26/2019			<0.0002
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.0002
9/17/2019			
9/18/2019	<0.0002	<0.0002	
2/18/2020			
2/19/2020	<0.0002		
2/25/2020		<0.0002	<0.0002
2/26/2020			
7/21/2020		<0.0002	
7/22/2020	<0.0002		
7/27/2020			
7/28/2020			
7/29/2020			<0.0002
4/5/2021			0.000149 (J)
4/6/2021		<0.0002	

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.0002		
4/12/2021			
9/21/2021		<0.0002	
9/22/2021	<0.0002		
9/27/2021			
9/28/2021			0.00012 (J)
4/19/2022			
4/20/2022	<0.0002		
4/27/2022			0.00021
5/2/2022		<0.0002	
5/3/2022			

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.000648 (J)							
3/30/2016									
5/17/2016		<0.0002							
5/23/2016									
7/11/2016		<0.0002							
7/14/2016									
9/13/2016									
9/14/2016		<0.0002							
11/15/2016									
11/16/2016		<0.0002							
2/28/2017									
3/1/2017		<0.0002							
5/23/2017		<0.0002							
5/24/2017									
6/19/2017		<0.0002							
6/20/2017									
6/21/2017									
1/9/2018									
1/10/2018		<0.0002							
4/17/2018									
4/19/2018		<0.0002							
10/1/2018									
10/3/2018		<0.0002							
2/26/2019	<0.0002								
4/2/2019		<0.0002							
9/17/2019	<0.0002	<0.0002							
9/18/2019									
9/26/2019	<0.0002								
10/22/2019			<0.0002						
2/18/2020									
2/19/2020		<0.0002	<0.0002				<0.0002		
2/25/2020	<0.0002					<0.0002			
2/26/2020					<0.0002				
4/29/2020				<0.0002				<0.0002	<0.0002
7/20/2020					<0.0002				<0.0002
7/21/2020						<0.0002	<0.0002	<0.0002	
7/23/2020			<0.0002						
7/27/2020		<0.0002		<0.0002					
7/28/2020									
7/29/2020	<0.0002								
3/30/2021					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/5/2021	<0.0002	0.000203 (J)		<0.0002					
4/6/2021			<0.0002						
4/7/2021									
9/22/2021						<0.0002			<0.0002
9/27/2021		8E-05 (J)			<0.0002				
9/28/2021	<0.0002								
9/29/2021			<0.0002	<0.0002			<0.0002	<0.0002	
4/26/2022	<0.0002				<0.0002	<0.0002			<0.0002
4/27/2022				<0.0002			<0.0002	<0.0002	
5/2/2022			<0.0002						
5/3/2022		0.00036							

Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-4	GN-AP-MW-5
3/28/2016			
3/30/2016		<0.0002	<0.0002
5/17/2016		<0.0002	
5/23/2016			<0.0002
7/11/2016		<0.0002	
7/14/2016			<0.0002
9/13/2016			<0.0002
9/14/2016		<0.0002	
11/15/2016			<0.0002
11/16/2016		<0.0002	
2/28/2017		<0.0002	
3/1/2017			<0.0002
5/23/2017			<0.0002
5/24/2017		<0.0002	
6/19/2017			
6/20/2017			<0.0002
6/21/2017		<0.0002	
1/9/2018			<0.0002
1/10/2018		<0.0002	
4/17/2018			<0.0002
4/19/2018		<0.0002	
10/1/2018			<0.0002
10/3/2018		<0.0002	
2/26/2019			
4/2/2019		<0.0002	<0.0002
9/17/2019		<0.0002	
9/18/2019			<0.0002
9/26/2019			
10/22/2019			
2/18/2020		<0.0002	
2/19/2020			
2/25/2020			
2/26/2020			<0.0002
4/29/2020	<0.0002		
7/20/2020	<0.0002		
7/21/2020			
7/23/2020			
7/27/2020		<0.0002	
7/28/2020			<0.0002
7/29/2020			
3/30/2021	<0.0002		
4/5/2021		<0.0002	
4/6/2021			
4/7/2021			<0.0002
9/22/2021			
9/27/2021	<0.0002	<0.0002	<0.0002
9/28/2021			
9/29/2021			
4/26/2022	<0.0002		
4/27/2022			
5/2/2022		<0.0002	
5/3/2022			<0.0002

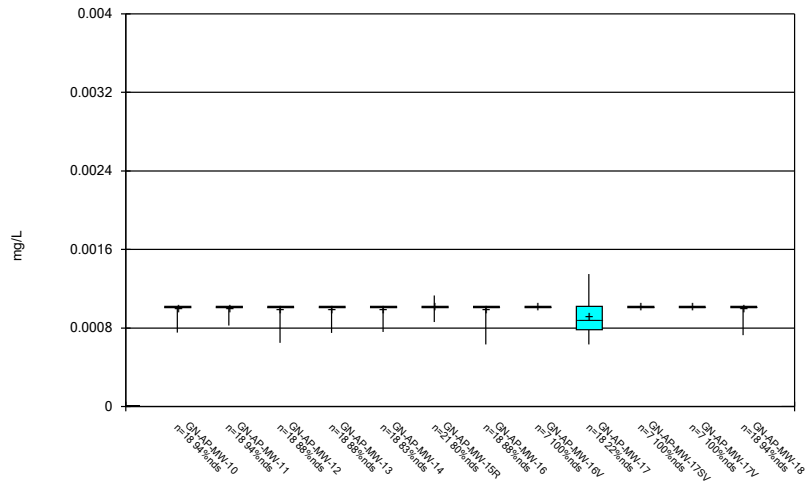
Time Series

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:36 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/29/2016			<0.0002						
3/30/2016	<0.0002	<0.0002							
4/4/2016				<0.0002					
5/19/2016	<0.0002	<0.0002							
5/23/2016			<0.0002	<0.0002					
7/12/2016			<0.0002	<0.0002					
7/13/2016	<0.0002	<0.0002							
9/13/2016	<0.0002	<0.0002	<0.0002	<0.0002					
11/15/2016	<0.0002	<0.0002	<0.0002	<0.0002					
2/28/2017			<0.0002	<0.0002					
3/1/2017	<0.0002	<0.0002							
5/23/2017	<0.0002	<0.0002							
5/24/2017			<0.0002	<0.0002					
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002					
1/10/2018	<0.0002	<0.0002	<0.0002	<0.0002					
4/17/2018	<0.0002	<0.0002	<0.0002	<0.0002					
10/1/2018			<0.0002	<0.0002					
10/4/2018	<0.0002	<0.0002							
4/1/2019			<0.0002	<0.0002					
4/2/2019	<0.0002	<0.0002							
9/17/2019			<0.0002	<0.0002					
9/18/2019	<0.0002	<0.0002							
2/17/2020				<0.0002					
2/25/2020			<0.0002						
2/26/2020	<0.0002	<0.0002							
7/28/2020	<0.0002	<0.0002							
7/29/2020			<0.0002	<0.0002					
4/5/2021				<0.0002					
4/6/2021			<0.0002						
4/7/2021	<0.0002	<0.0002							
4/12/2021					<0.0002	<0.0002	<0.0002	<0.0002	
4/13/2021									0.00015 (J)
9/21/2021			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/27/2021	<0.0002	<0.0002							
4/19/2022					<0.0002	<0.0002	<0.0002	<0.0002	9E-05 (J)
5/2/2022			<0.0002	<0.0002					
5/3/2022	<0.0002	<0.0002							

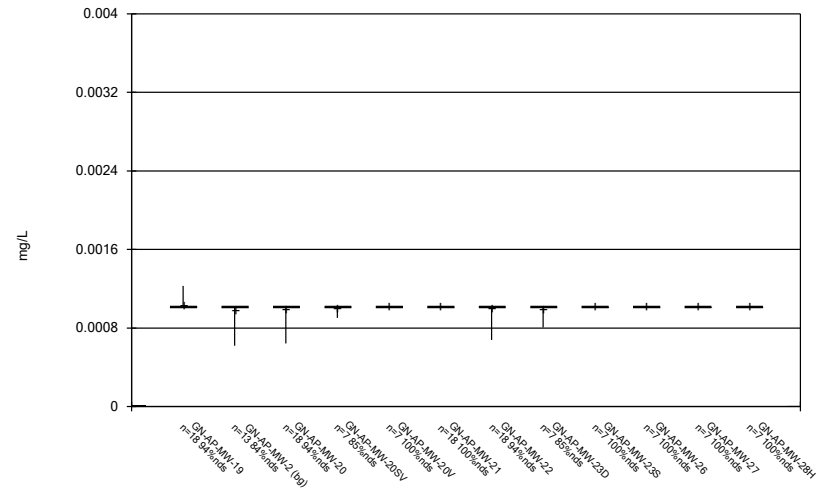
FIGURE B.

Box & Whiskers Plot



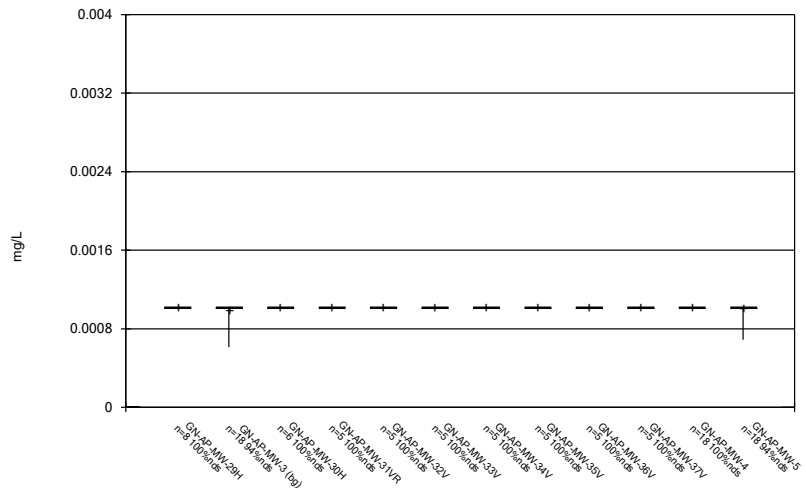
Constituent: Antimony Analysis Run 7/15/2022 2:38 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



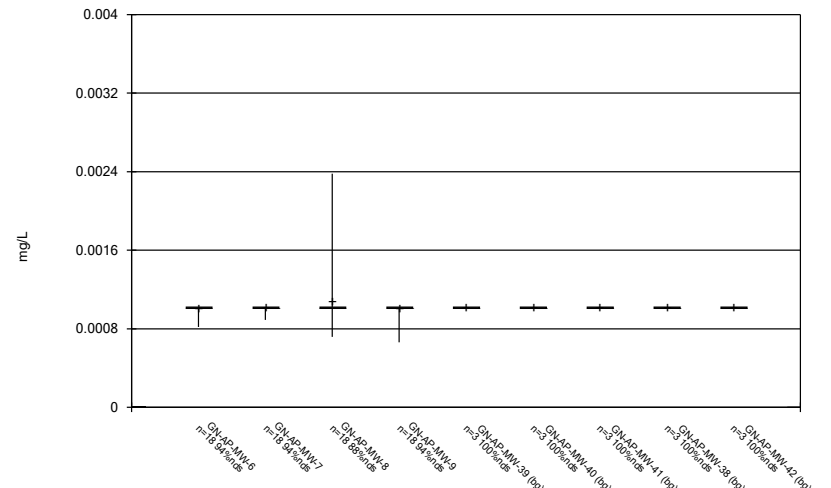
Constituent: Antimony Analysis Run 7/15/2022 2:38 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



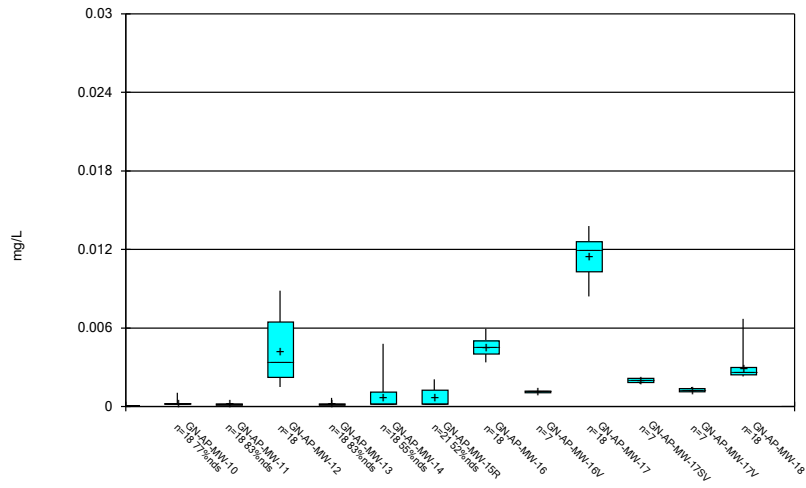
Constituent: Antimony Analysis Run 7/15/2022 2:38 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



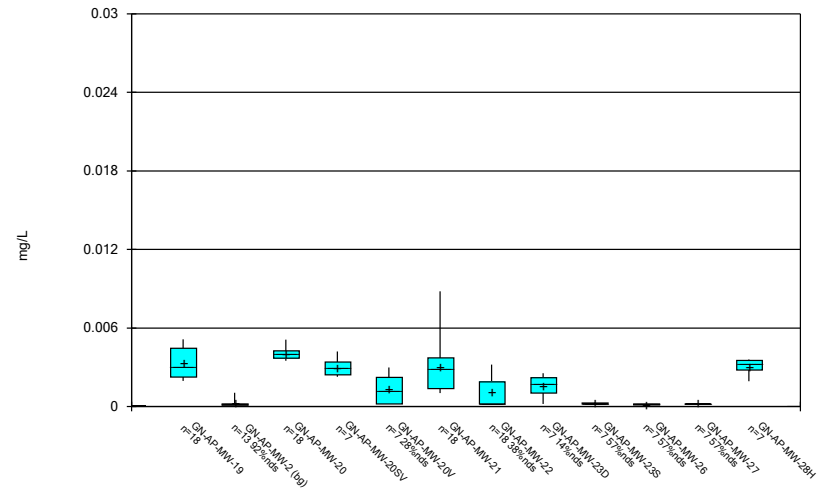
Constituent: Antimony Analysis Run 7/15/2022 2:38 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



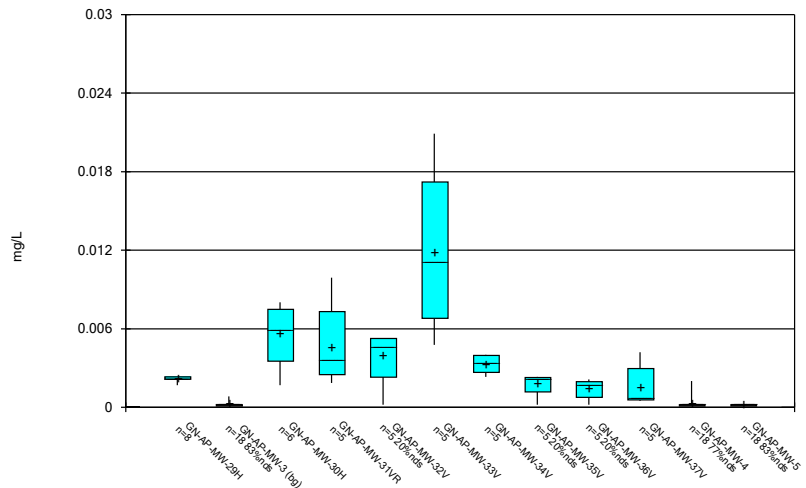
Constituent: Arsenic Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



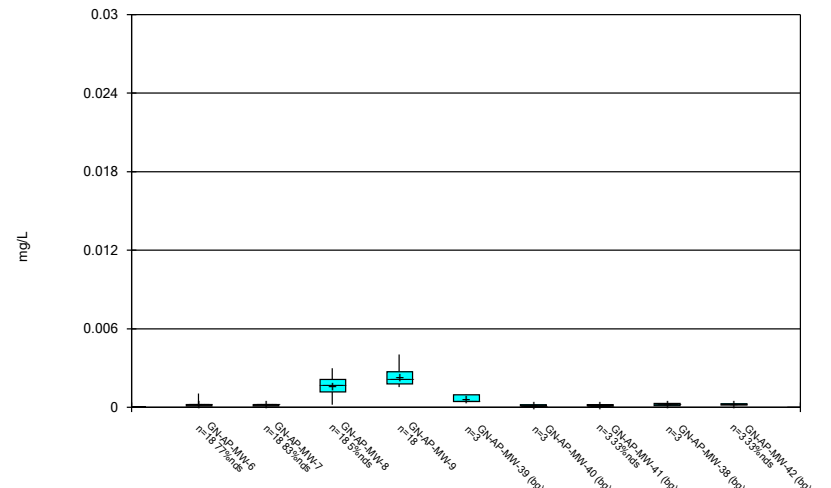
Constituent: Arsenic Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



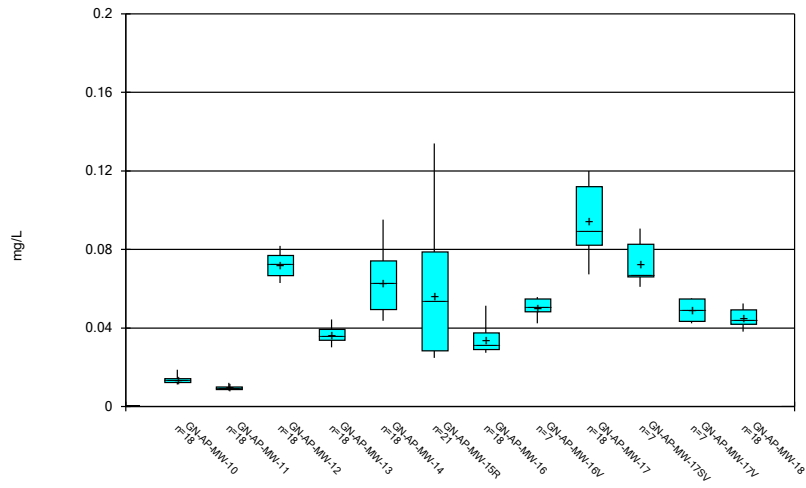
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



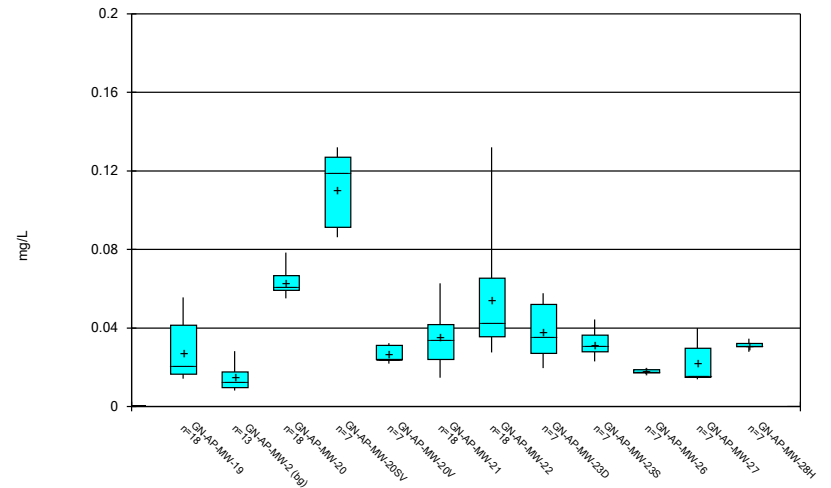
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



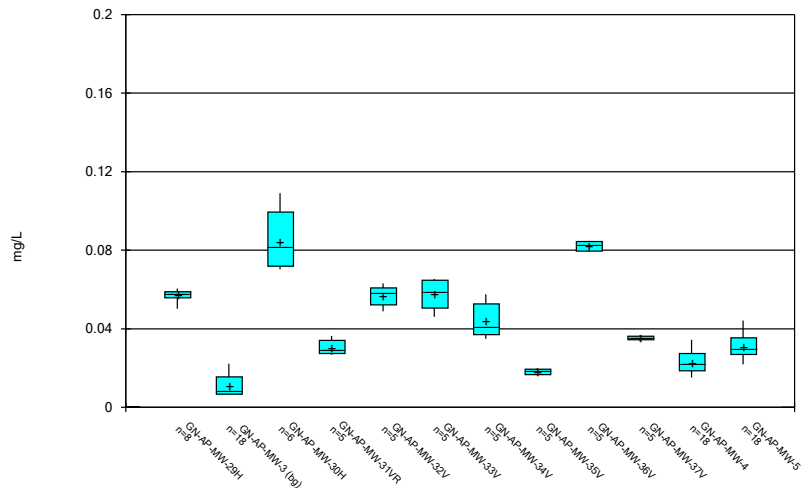
Constituent: Barium Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



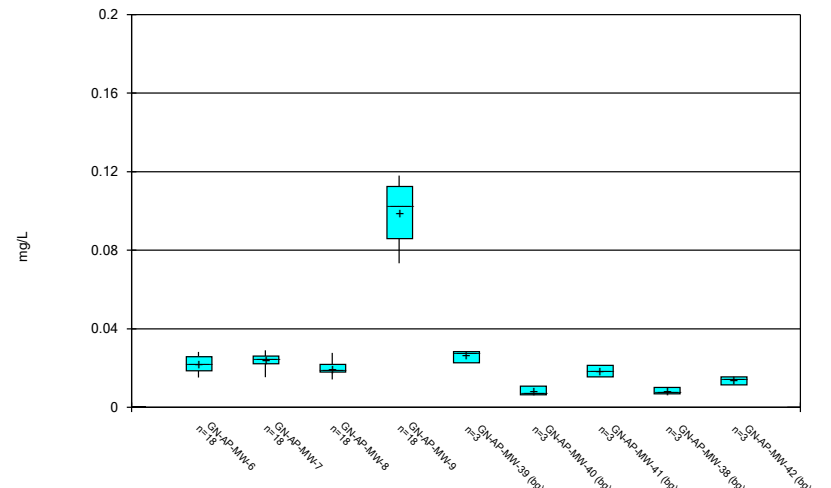
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



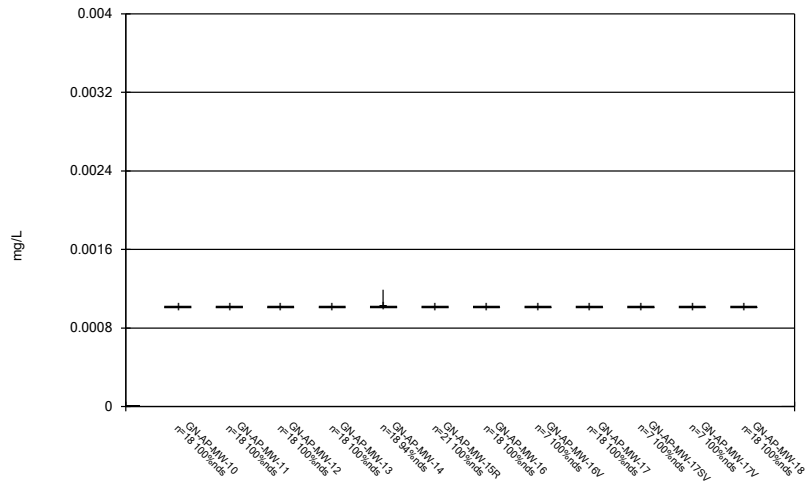
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



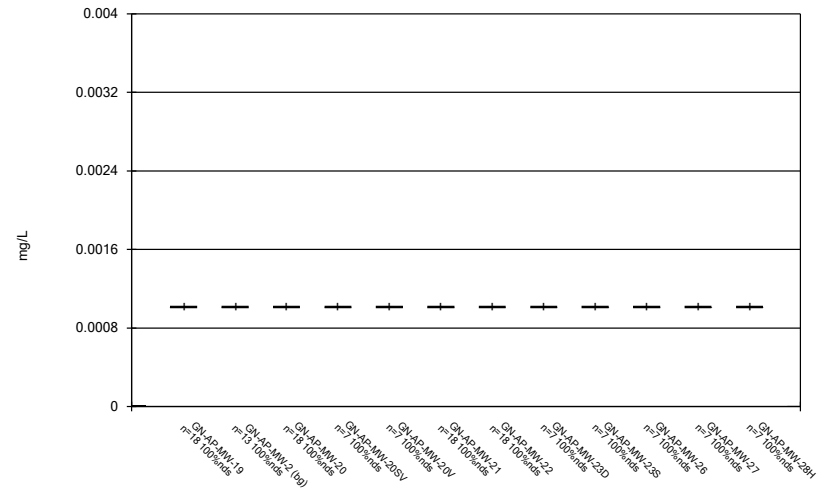
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



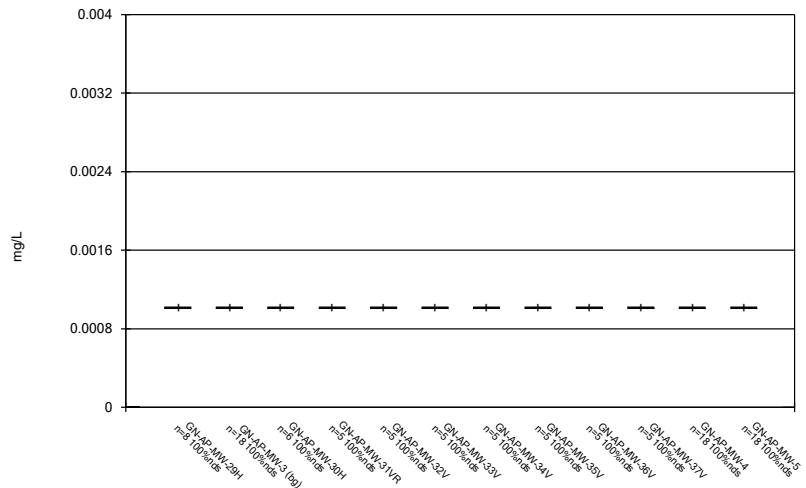
Constituent: Beryllium Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



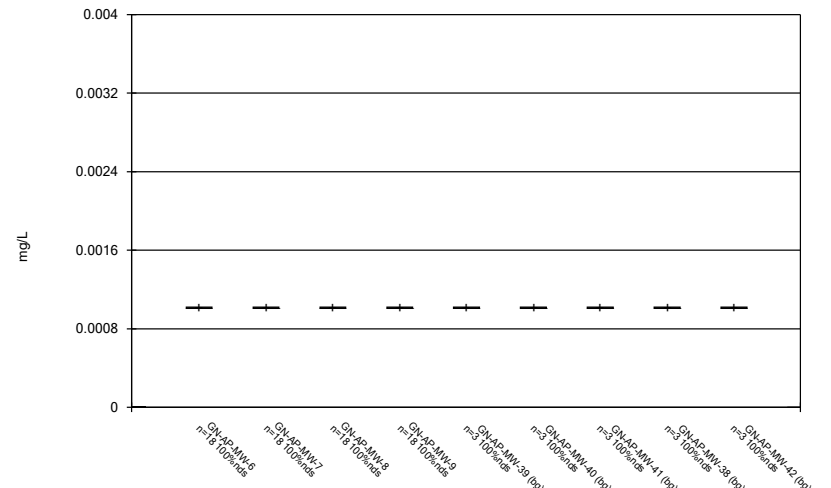
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



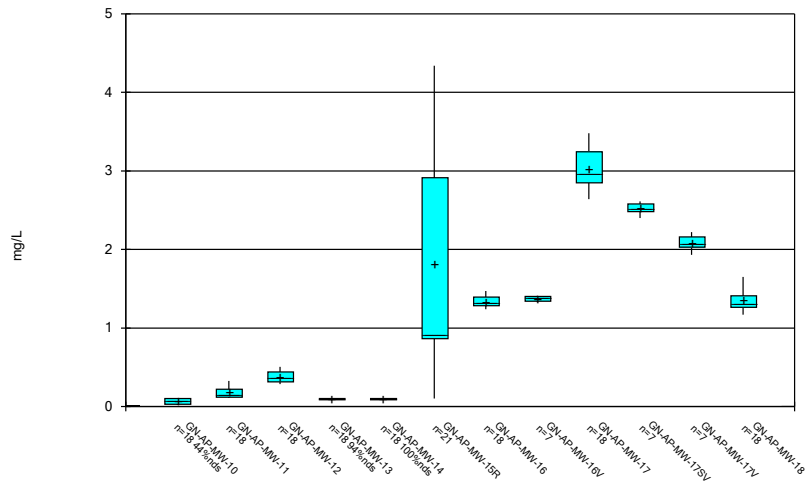
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



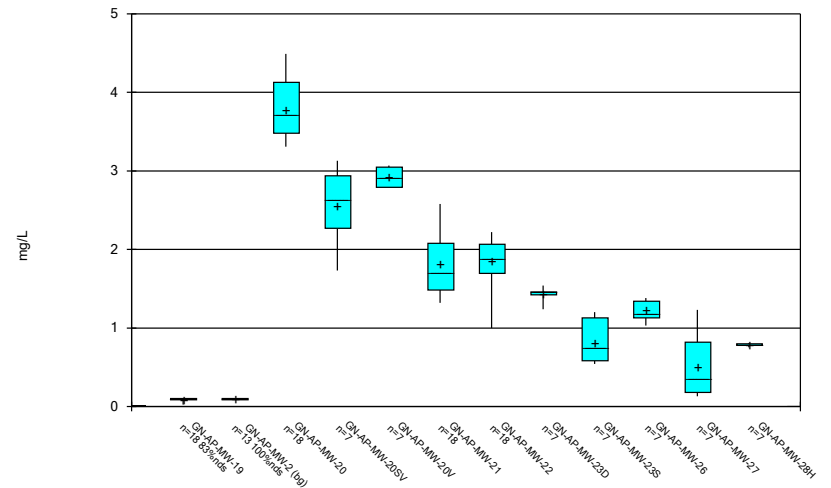
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



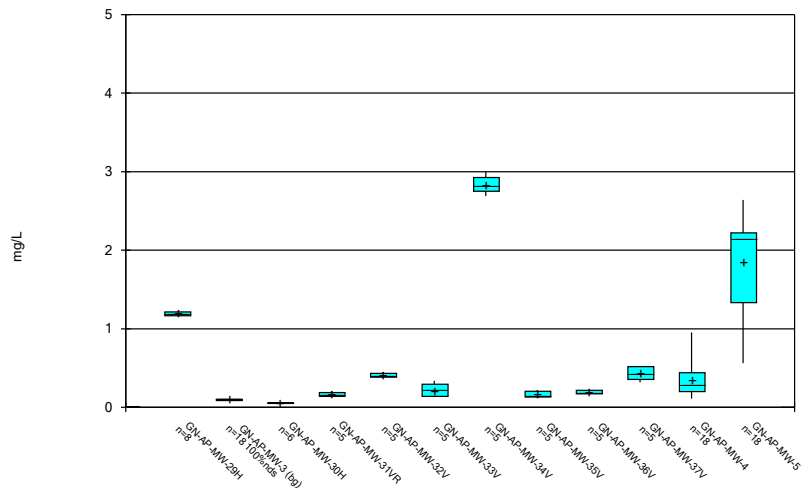
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



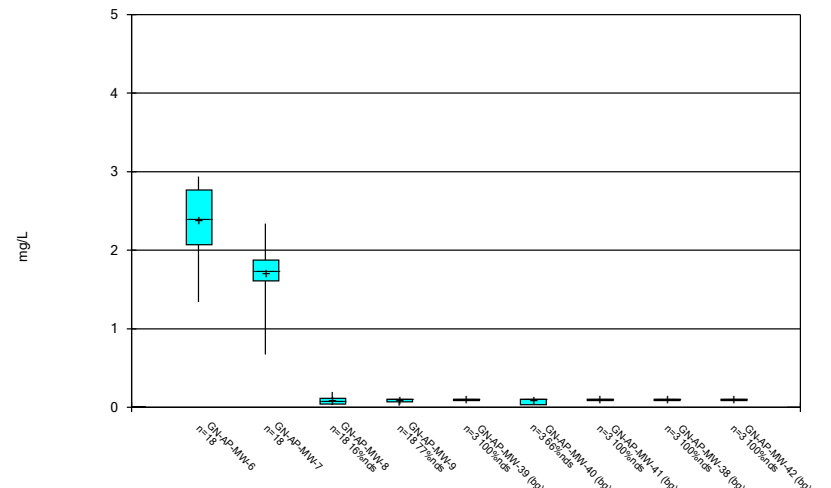
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



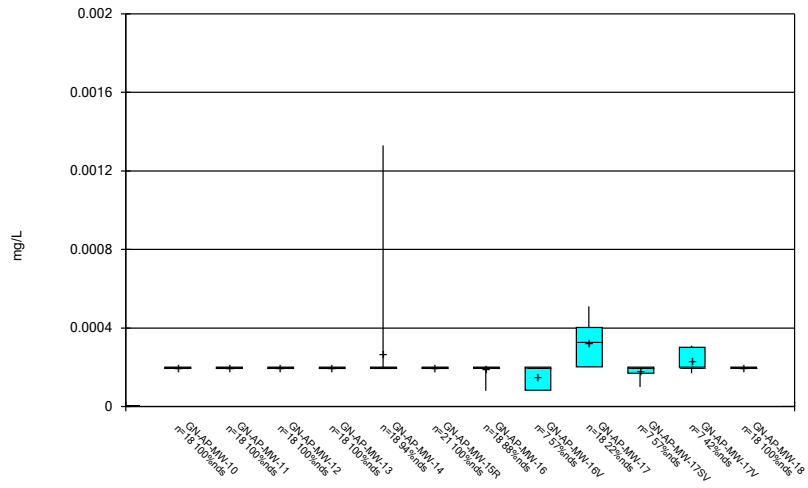
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



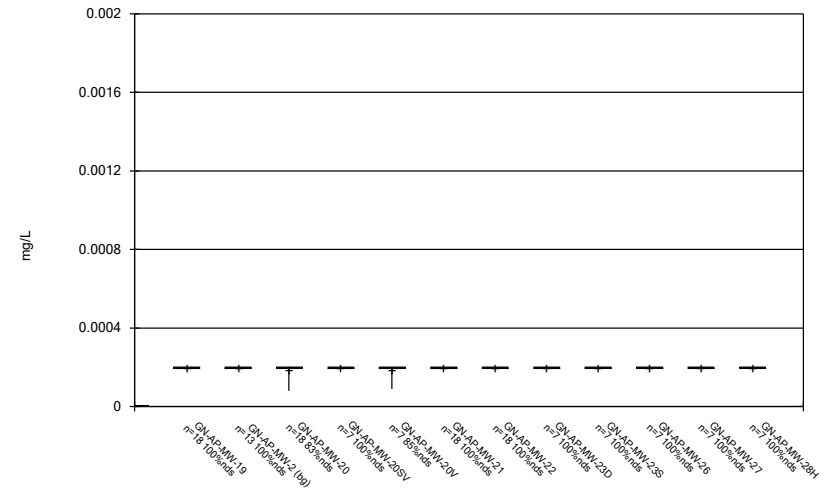
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



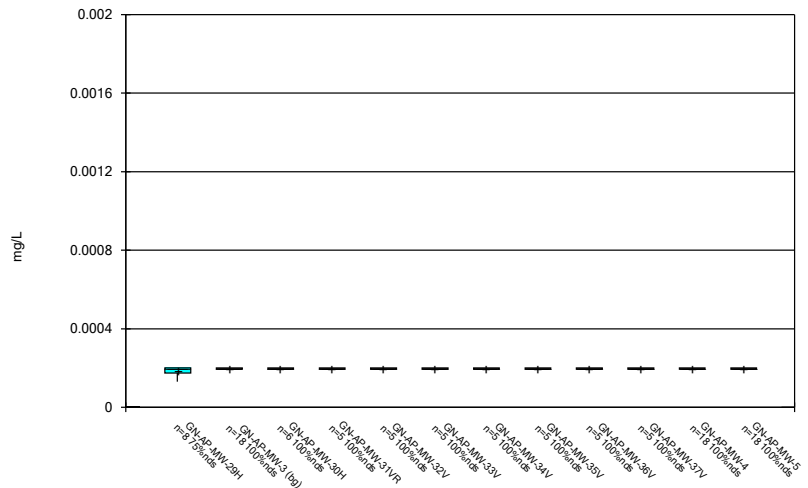
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



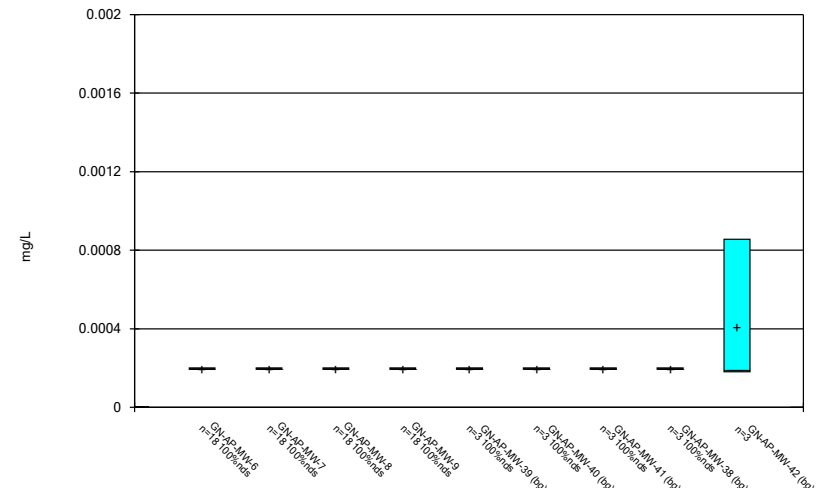
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



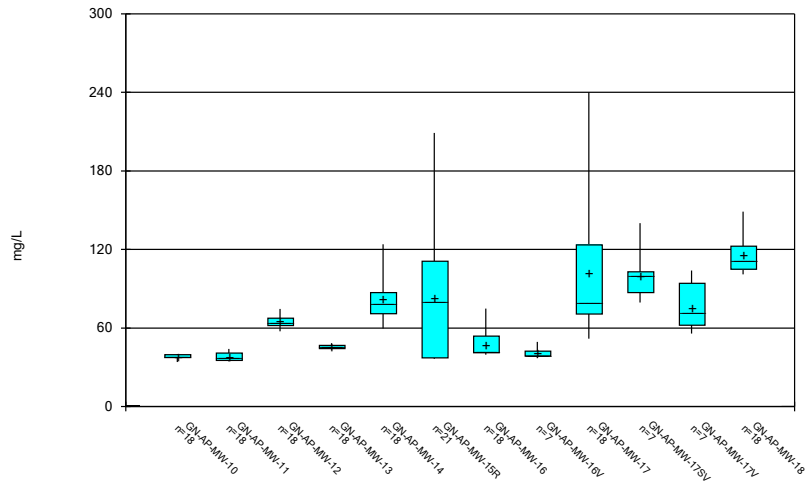
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



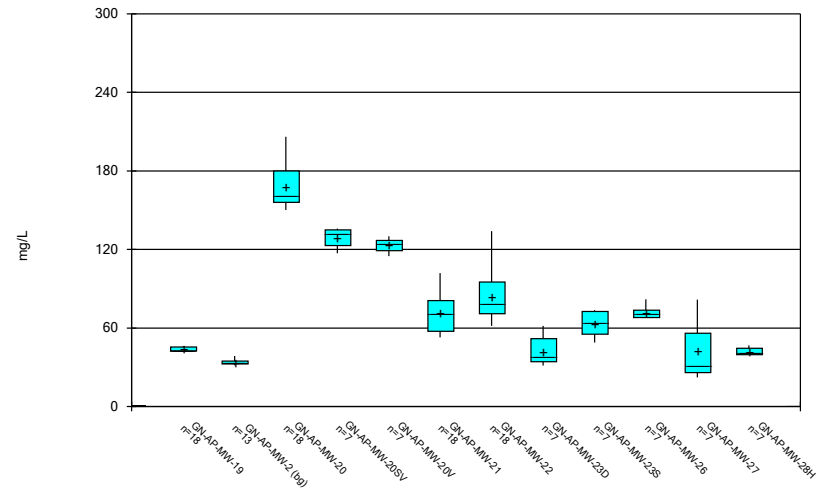
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



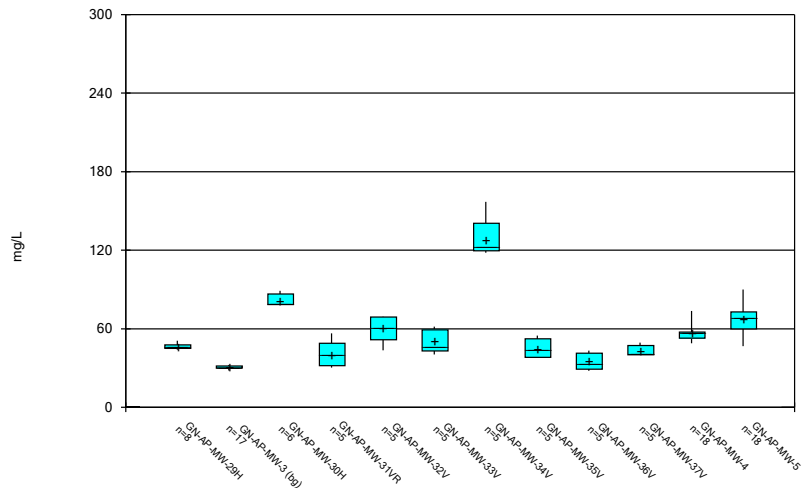
Constituent: Calcium Analysis Run 7/15/2022 2:38 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



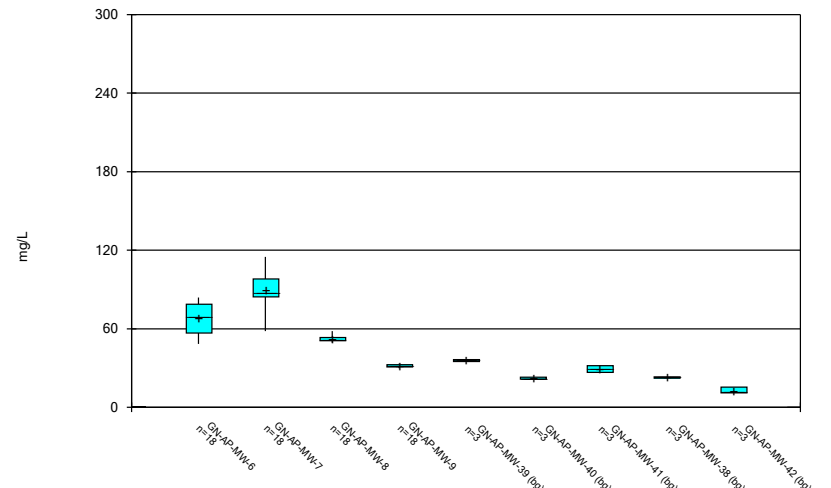
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



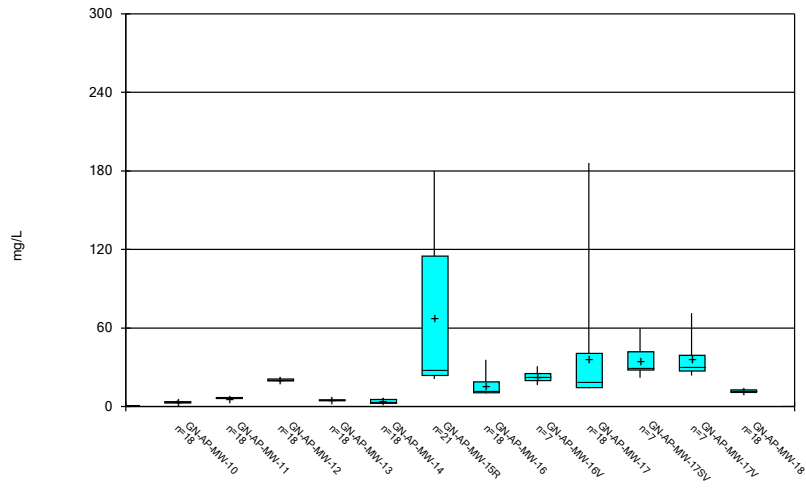
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



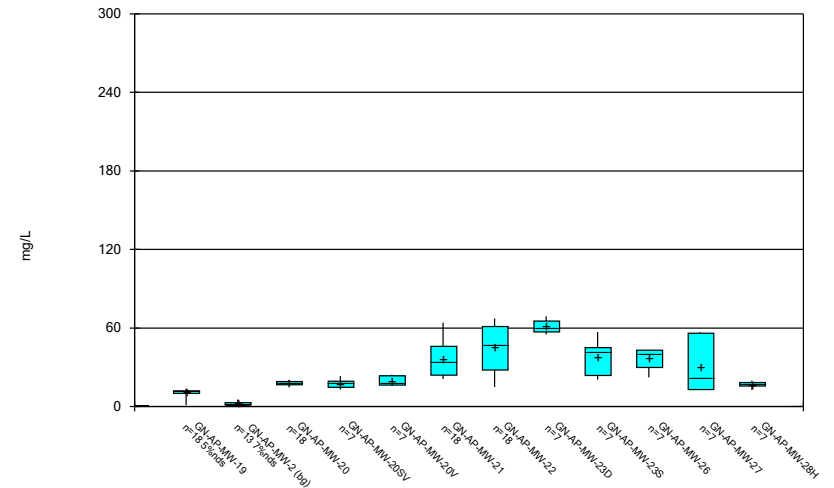
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



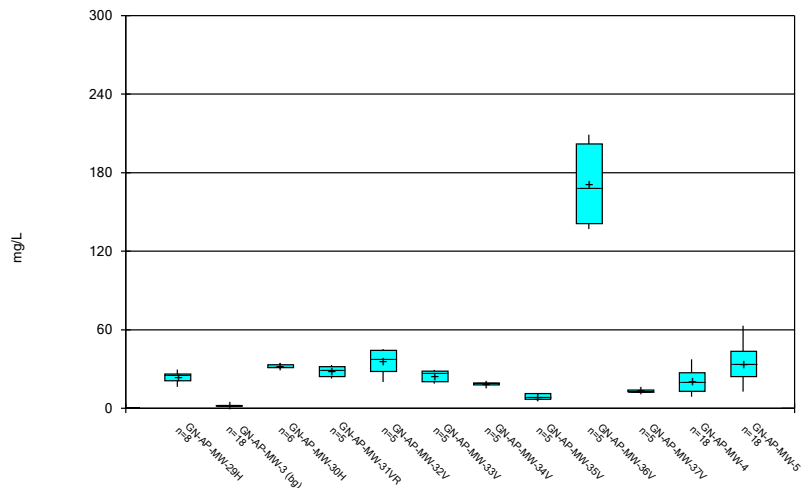
Constituent: Chloride Analysis Run 7/15/2022 2:38 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



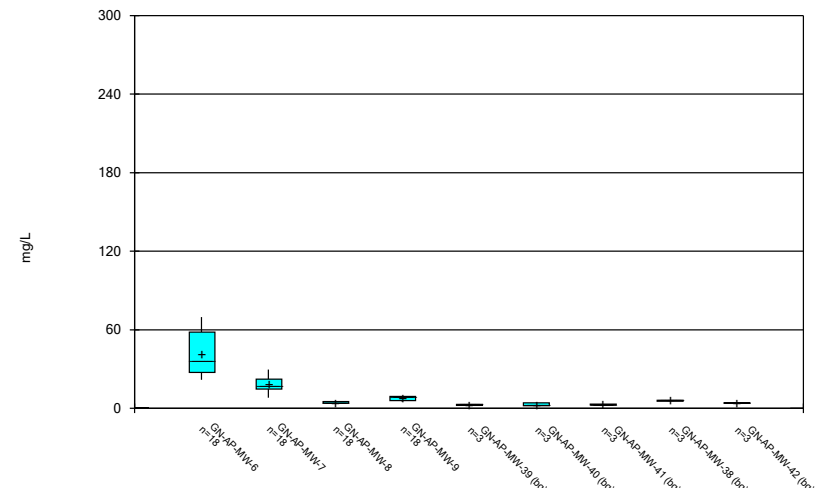
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



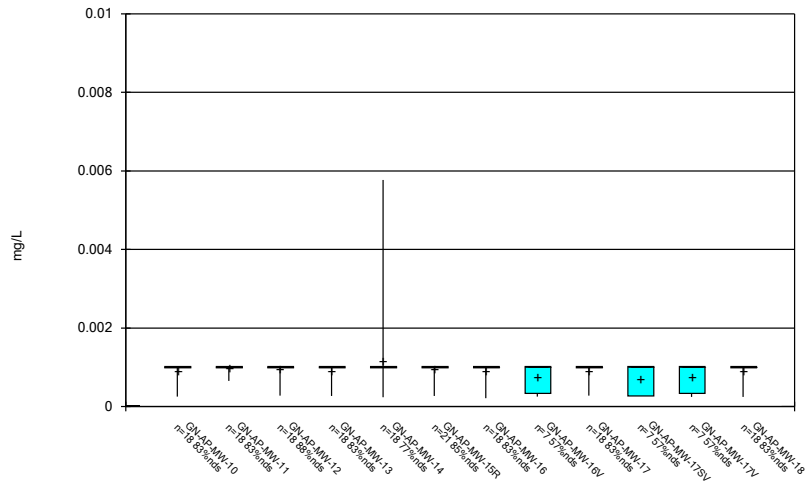
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



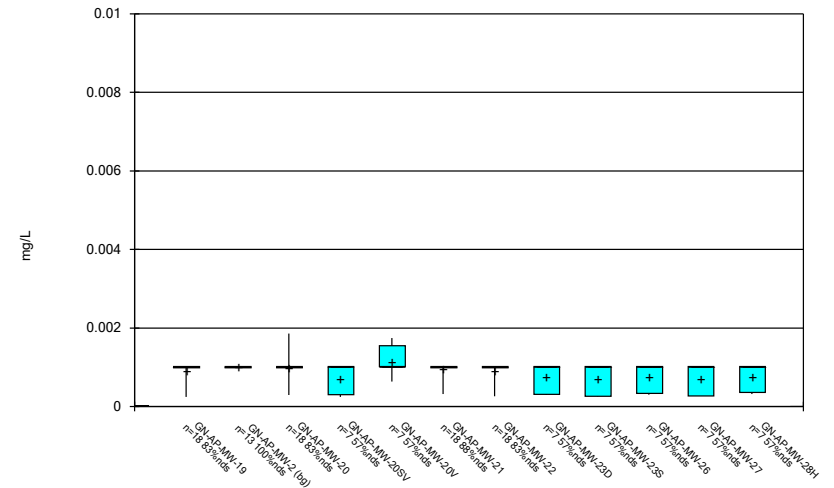
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



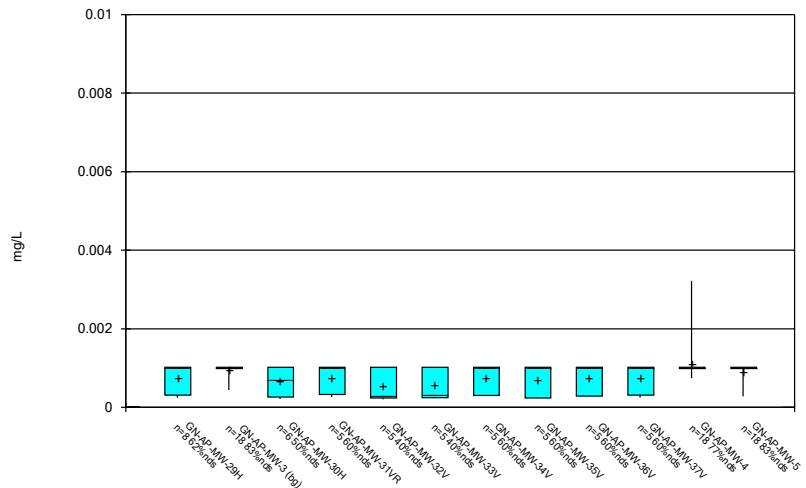
Constituent: Chromium Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



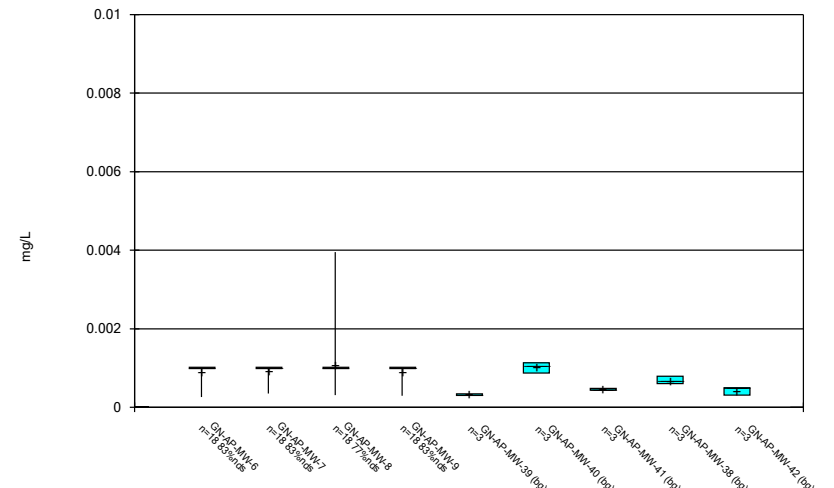
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



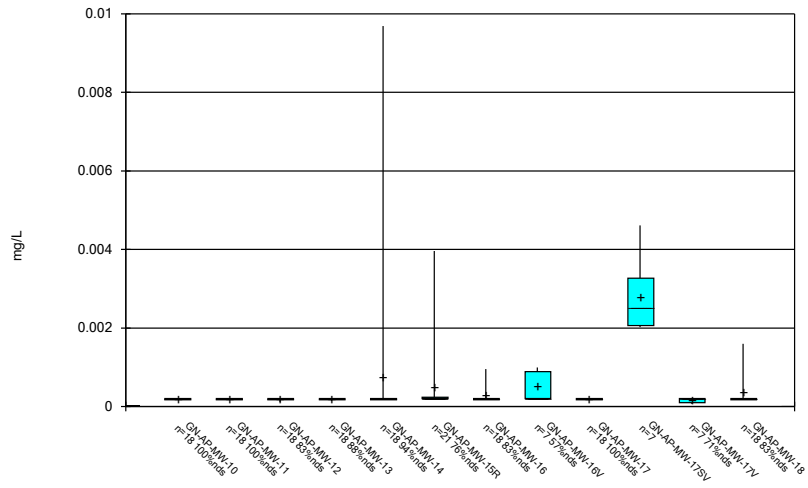
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



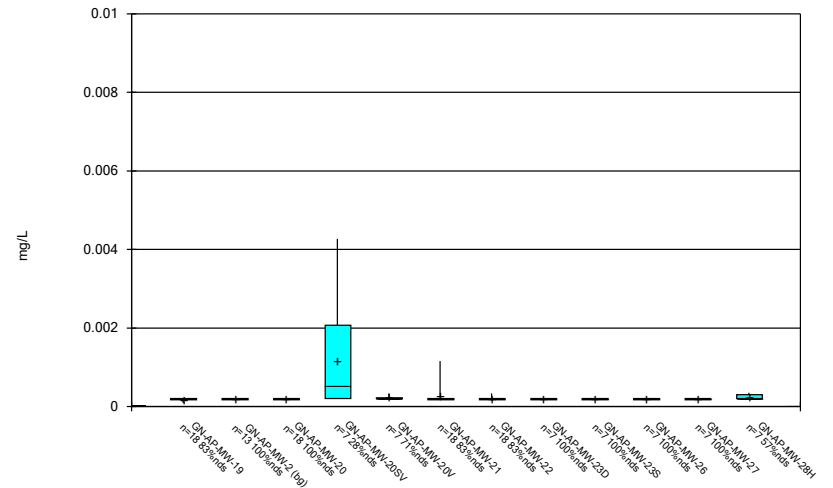
Constituent: Chromium Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



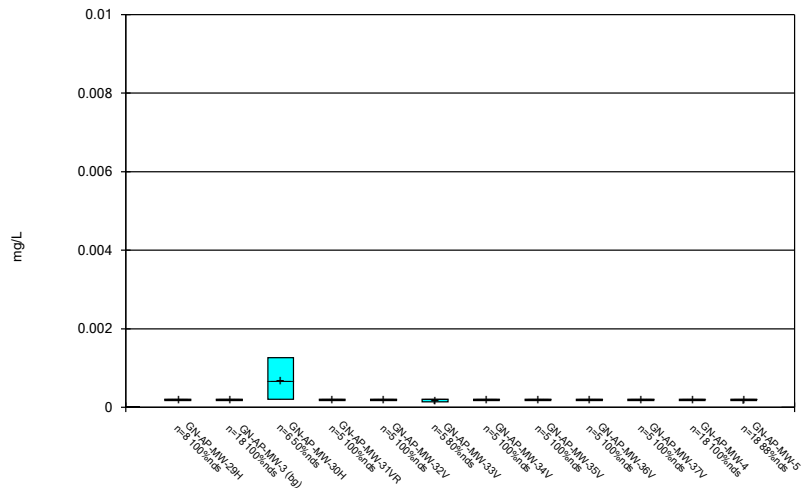
Constituent: Cobalt Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



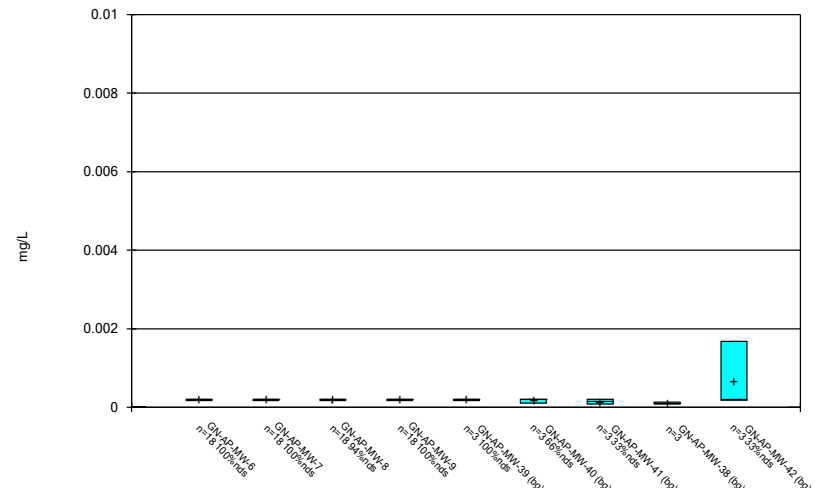
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



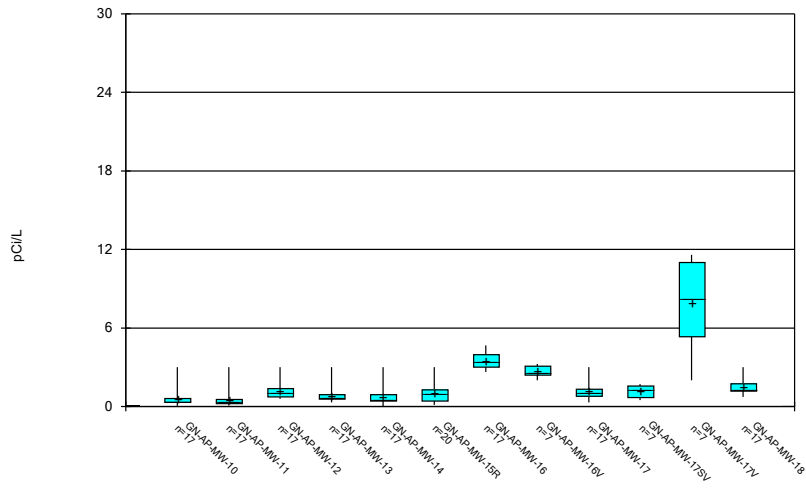
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



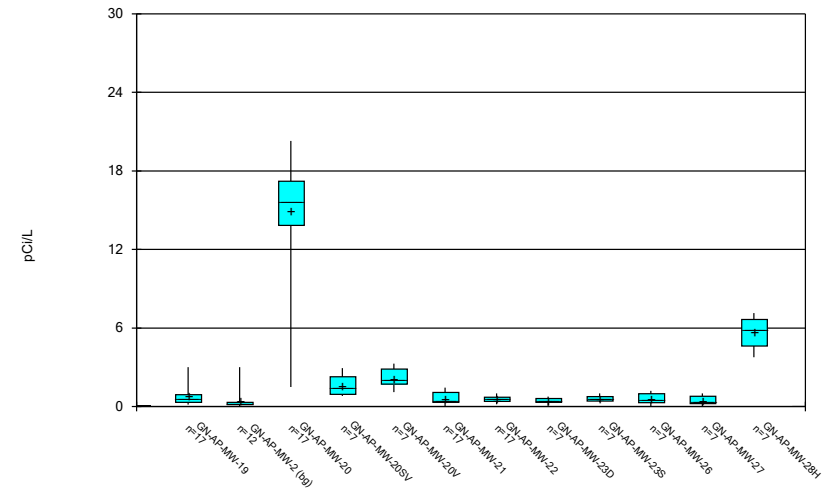
Constituent: Cobalt Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



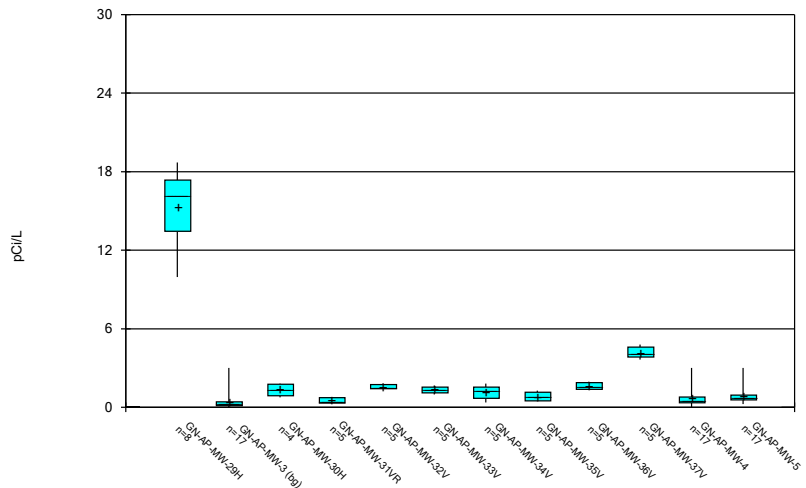
Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



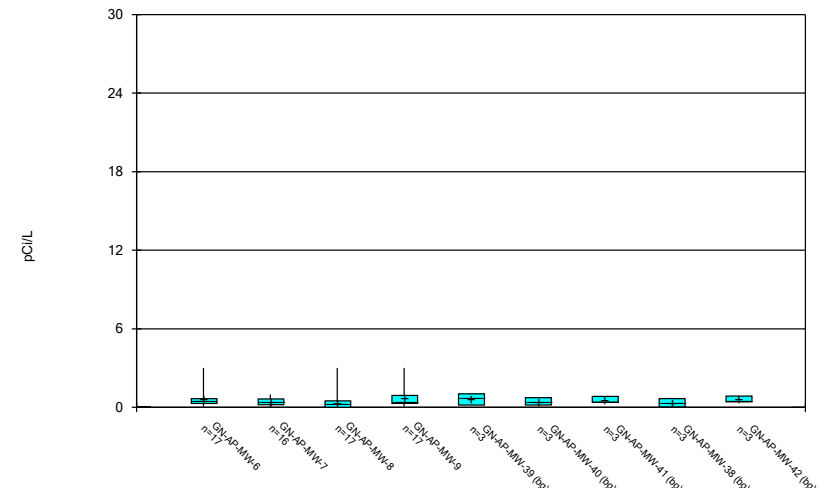
Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



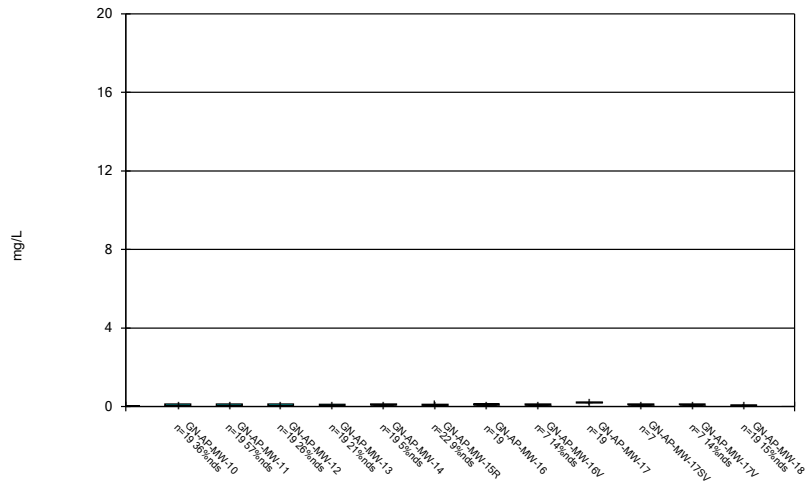
Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot

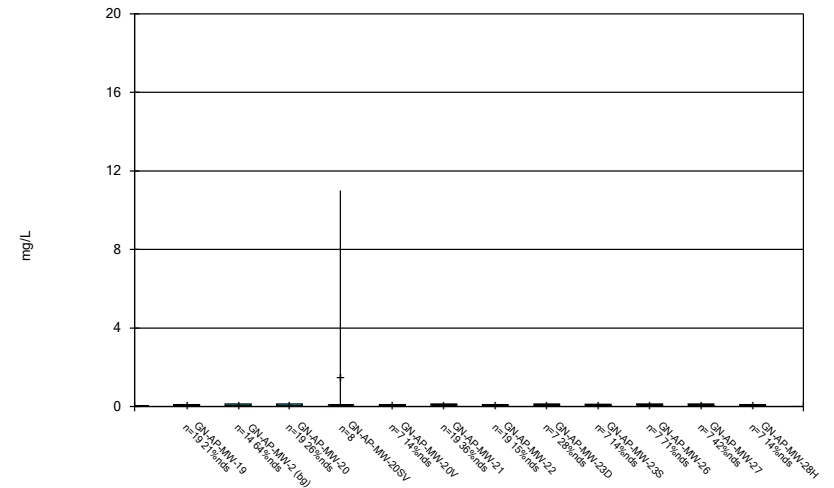


Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

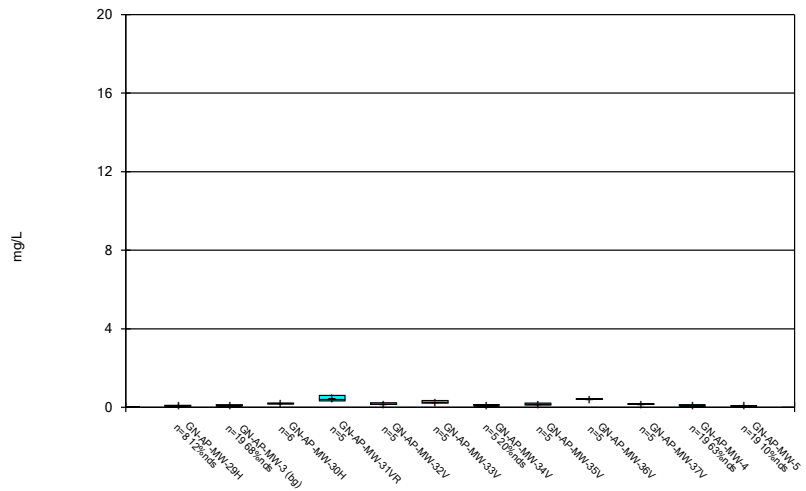
Box & Whiskers Plot



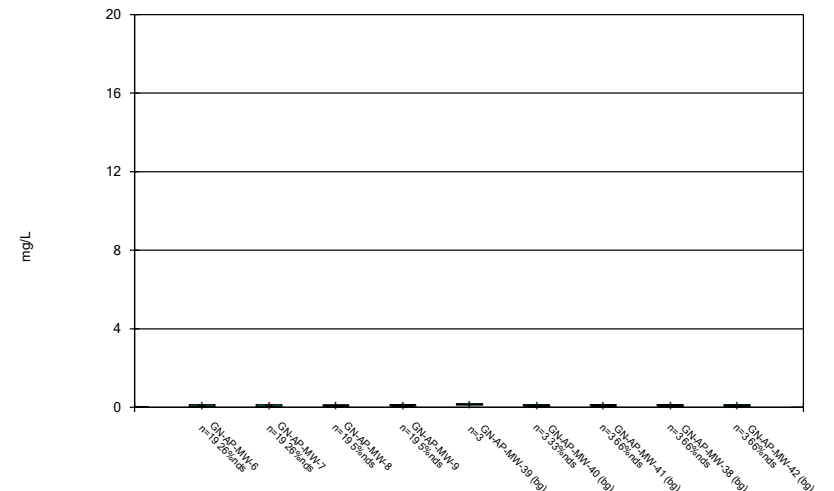
Box & Whiskers Plot



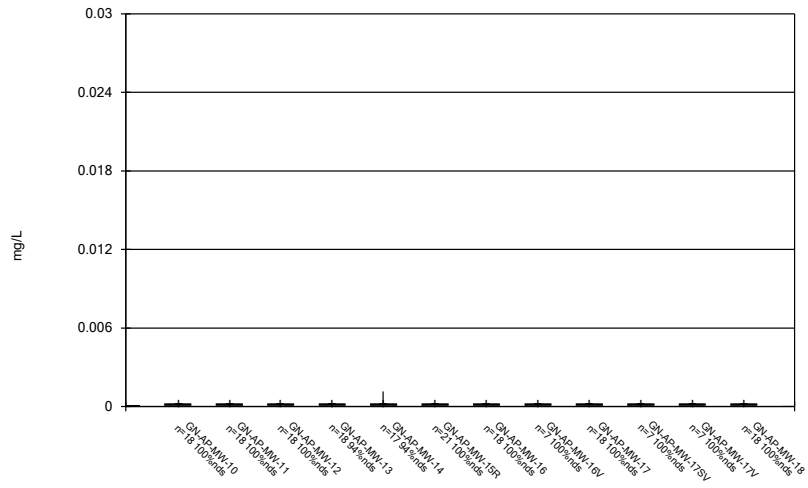
Box & Whiskers Plot



Box & Whiskers Plot

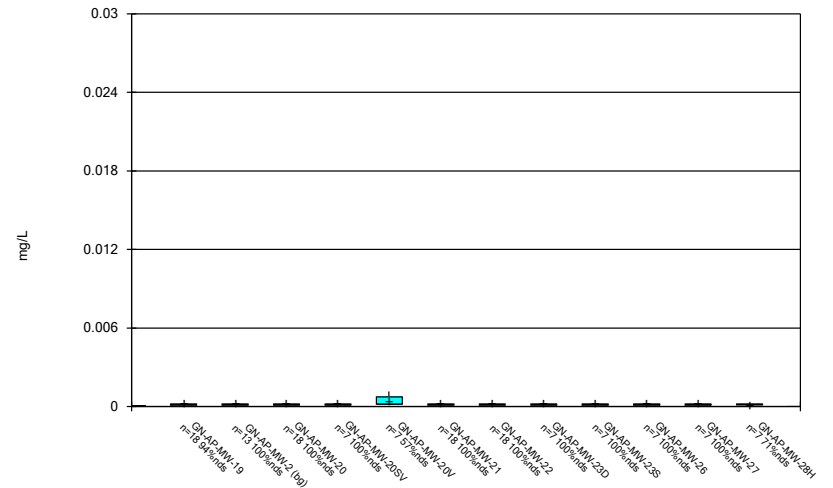


Box & Whiskers Plot



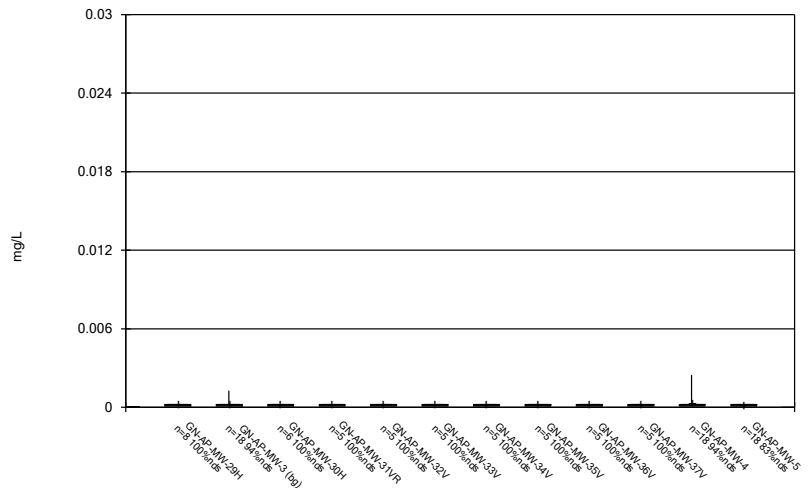
Constituent: Lead Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



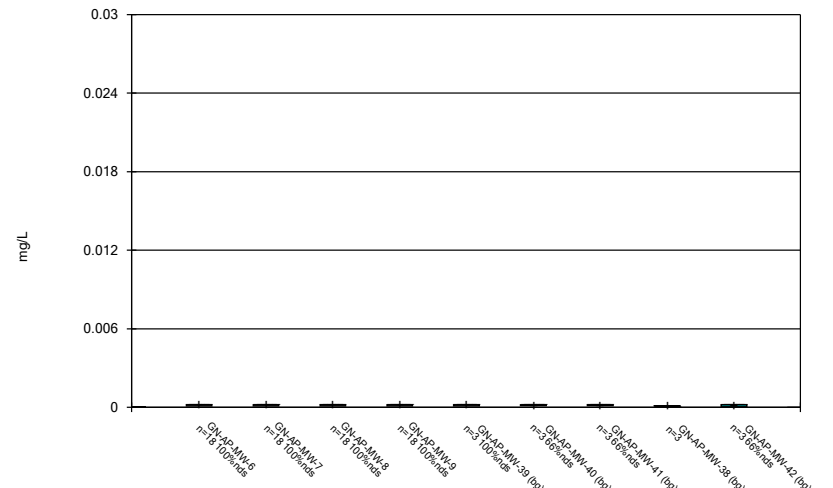
Constituent: Lead Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



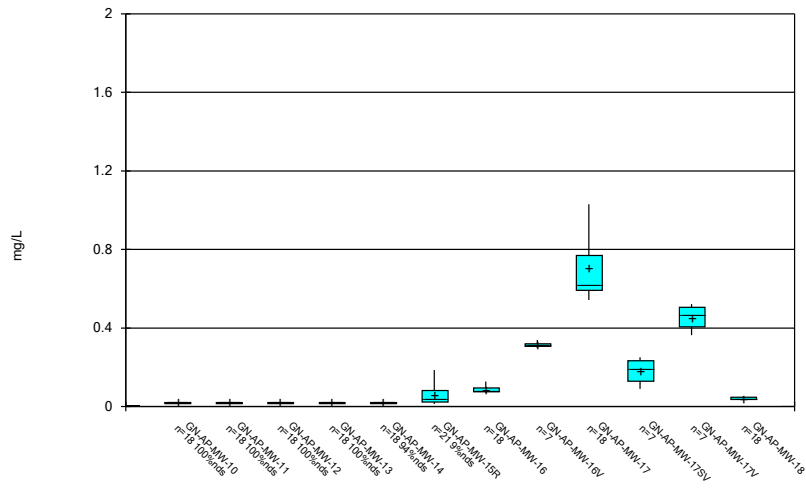
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



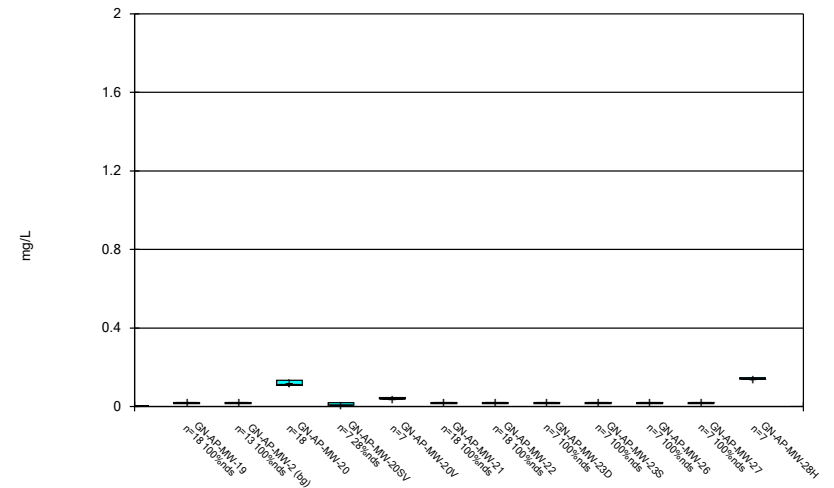
Constituent: Lead Analysis Run 7/15/2022 2:38 PM
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



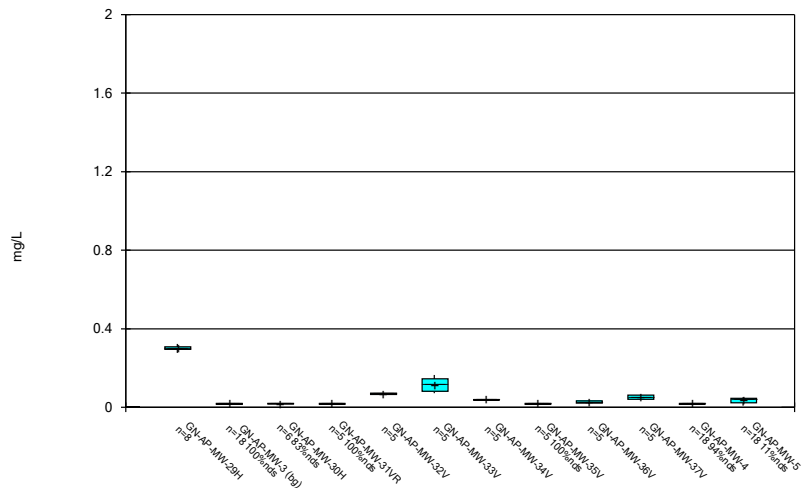
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



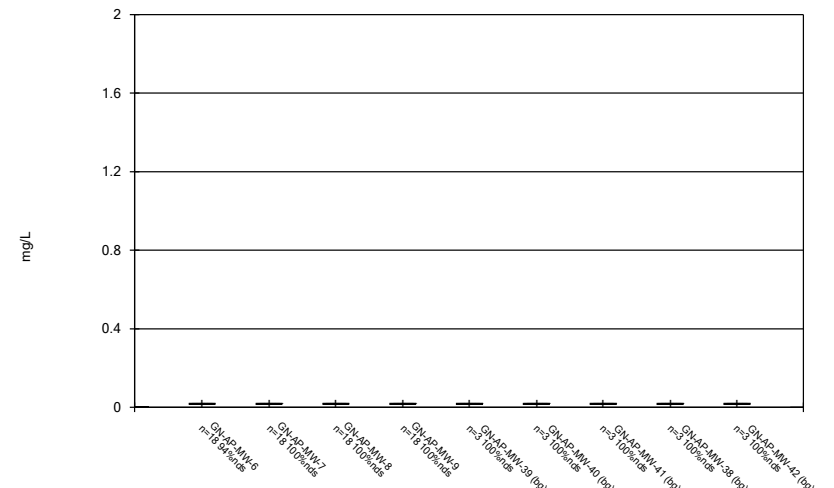
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



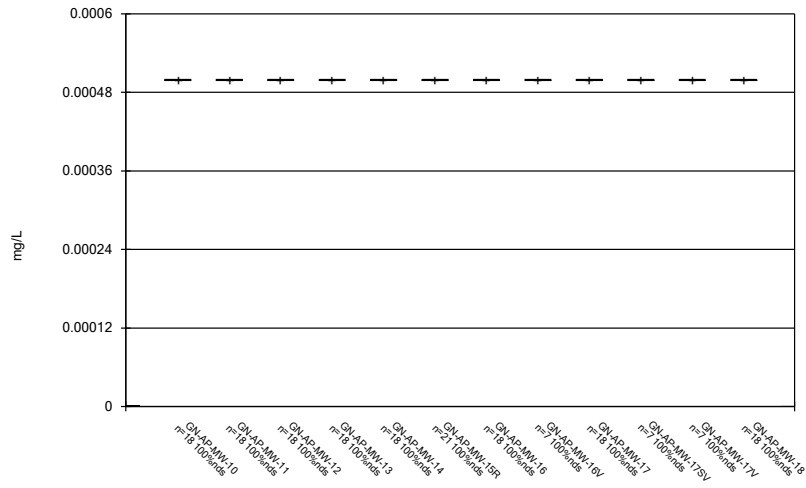
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



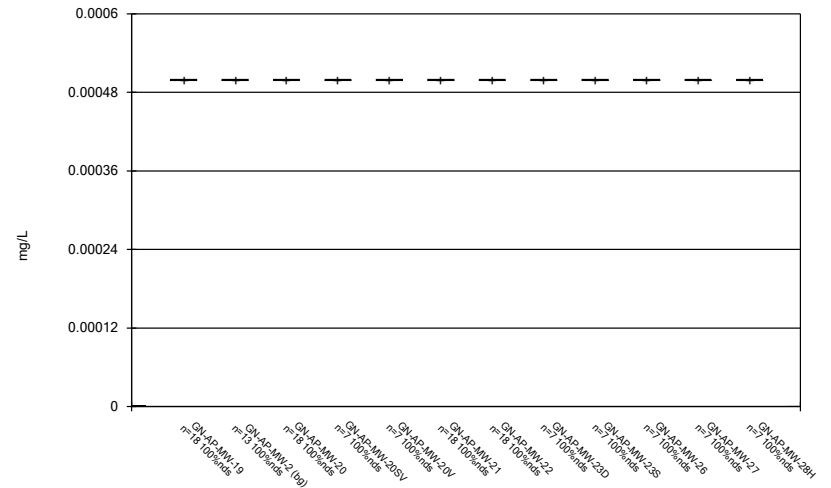
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Box & Whiskers Plot



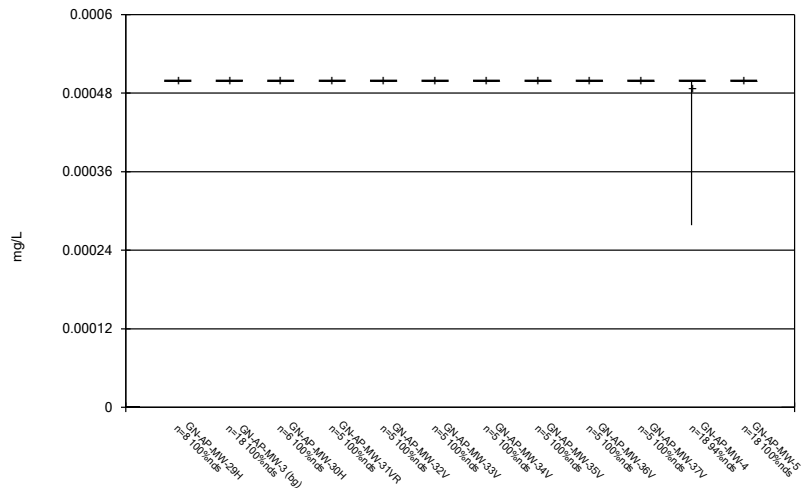
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Box & Whiskers Plot



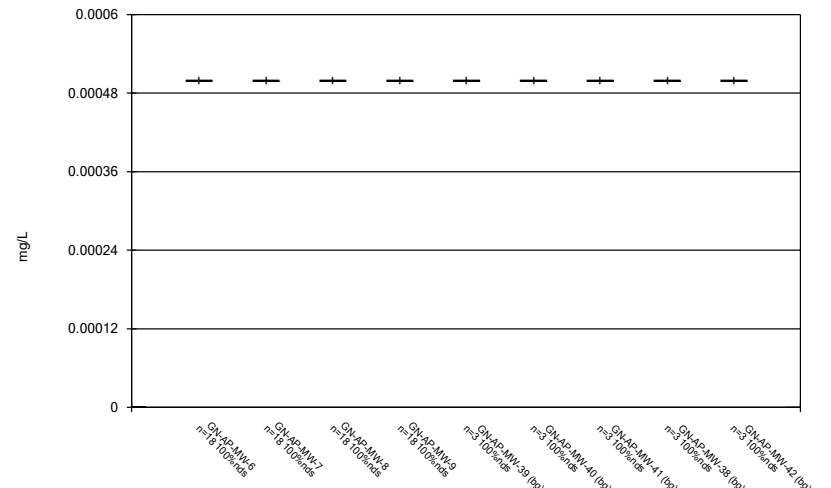
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Box & Whiskers Plot



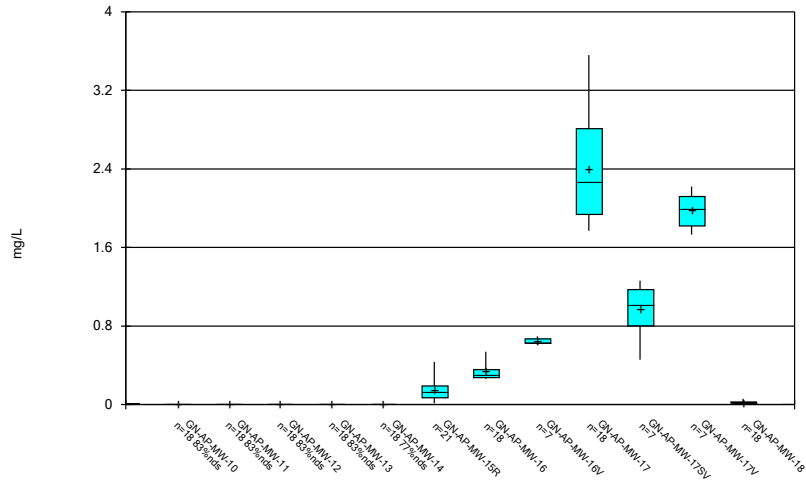
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Box & Whiskers Plot



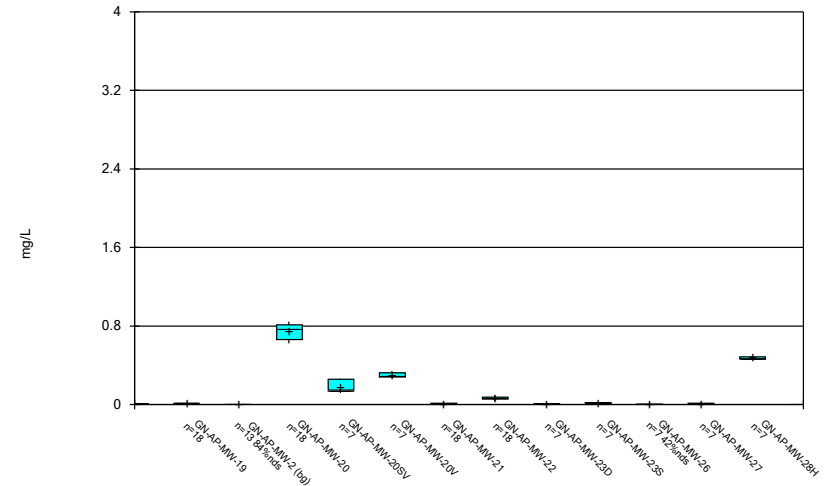
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Box & Whiskers Plot



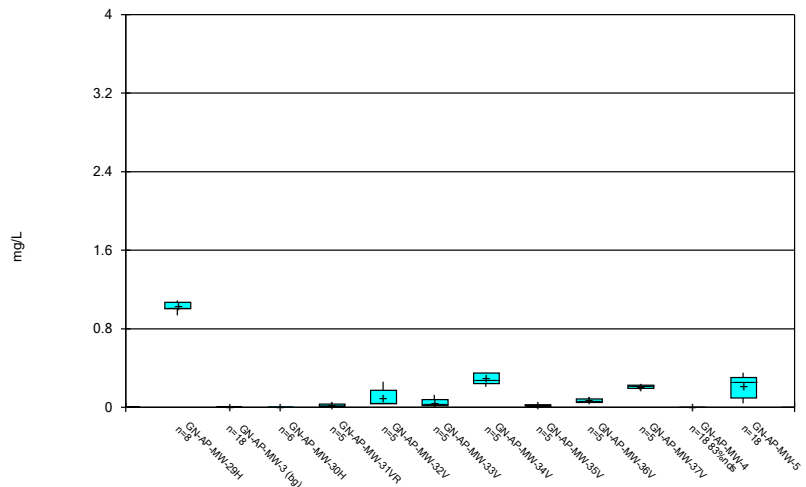
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Box & Whiskers Plot



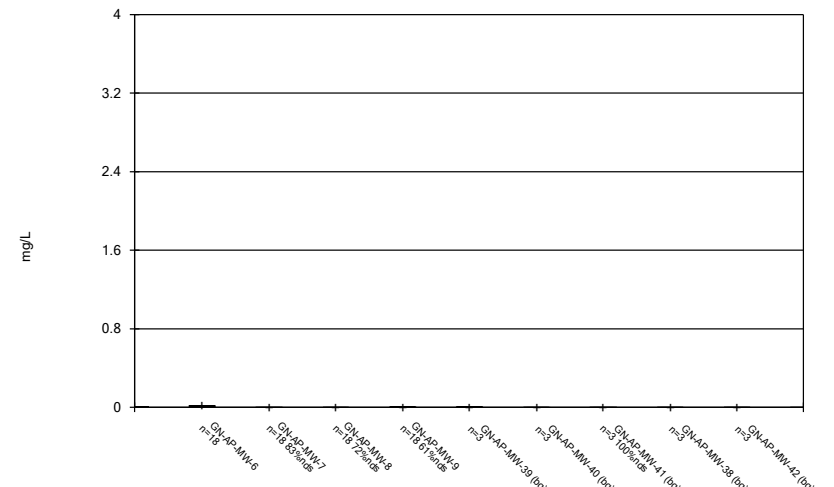
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



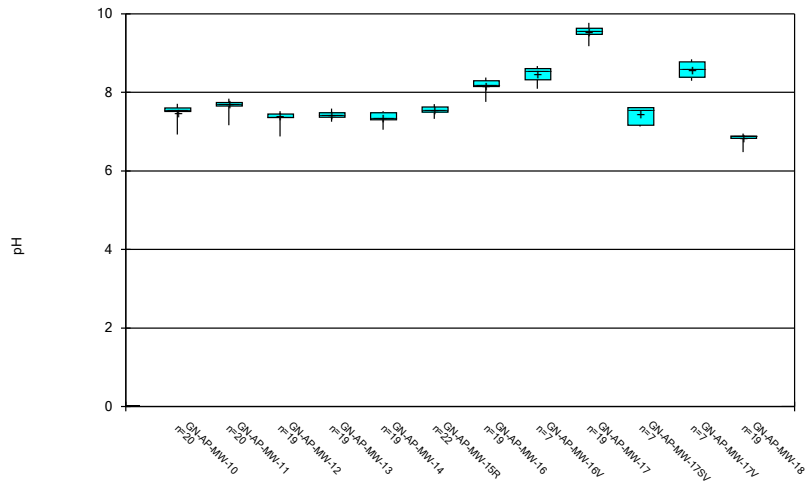
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



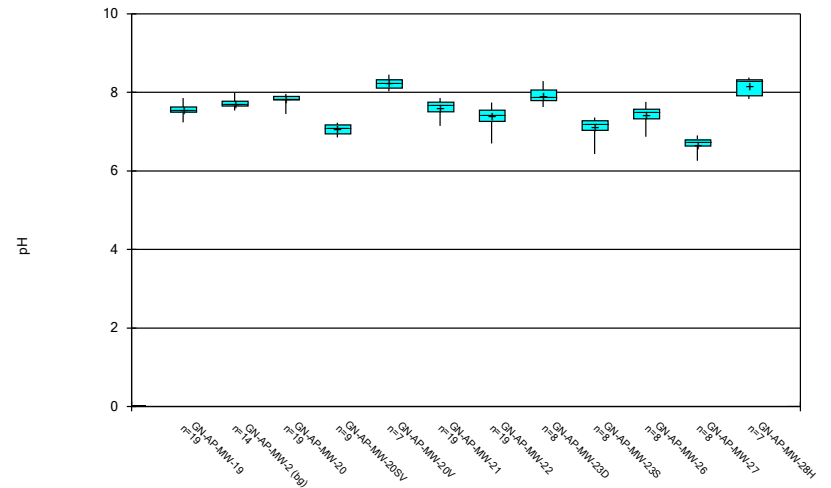
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Box & Whiskers Plot



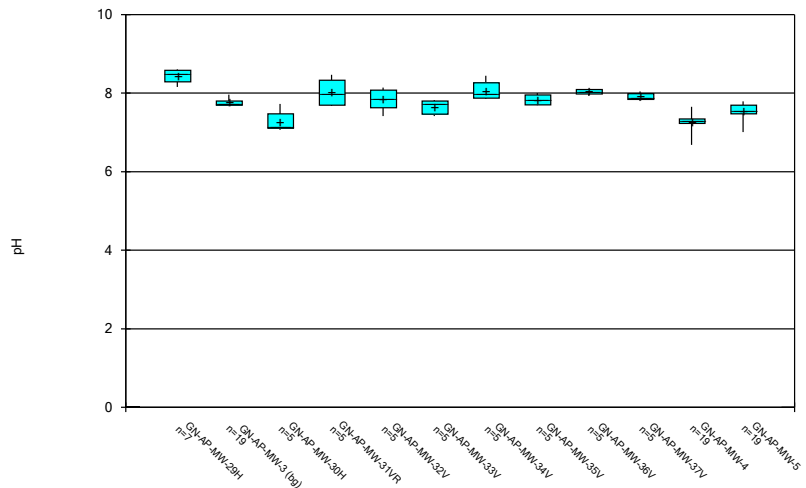
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Box & Whiskers Plot



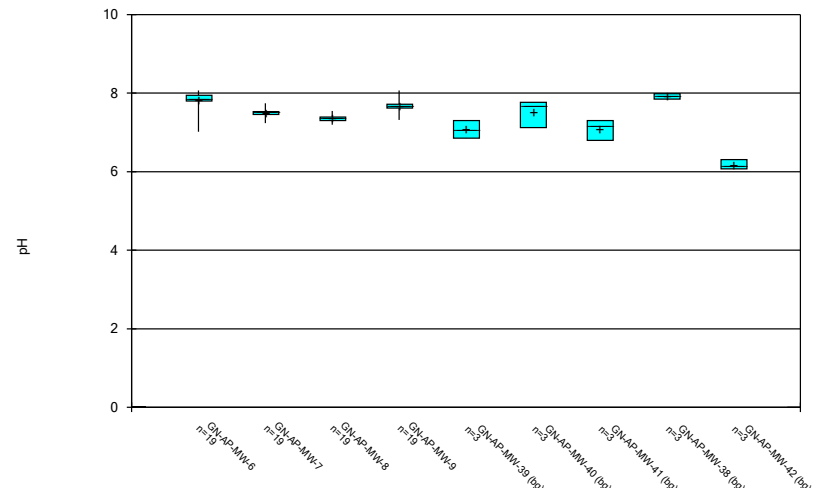
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



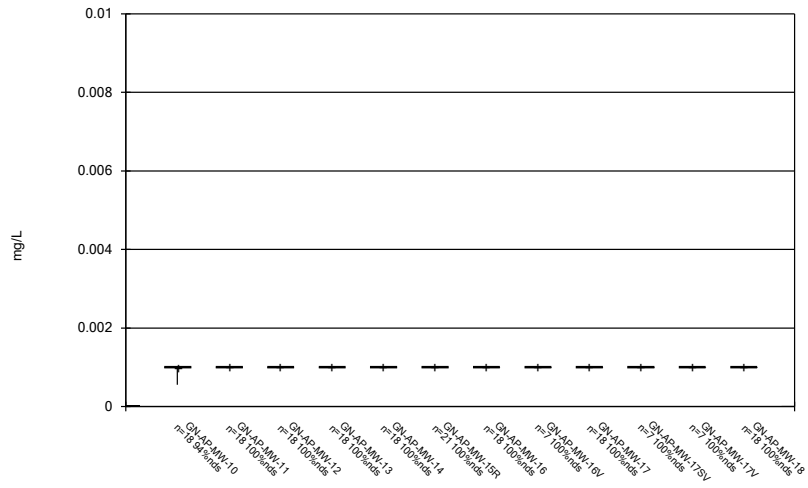
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



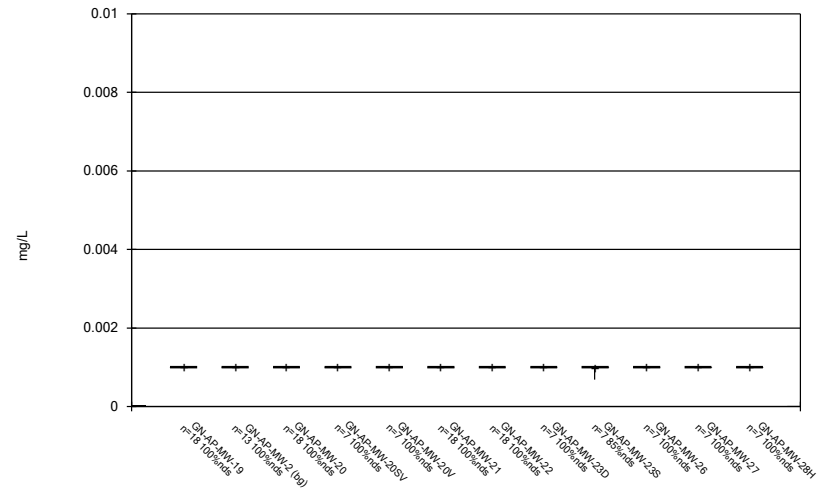
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



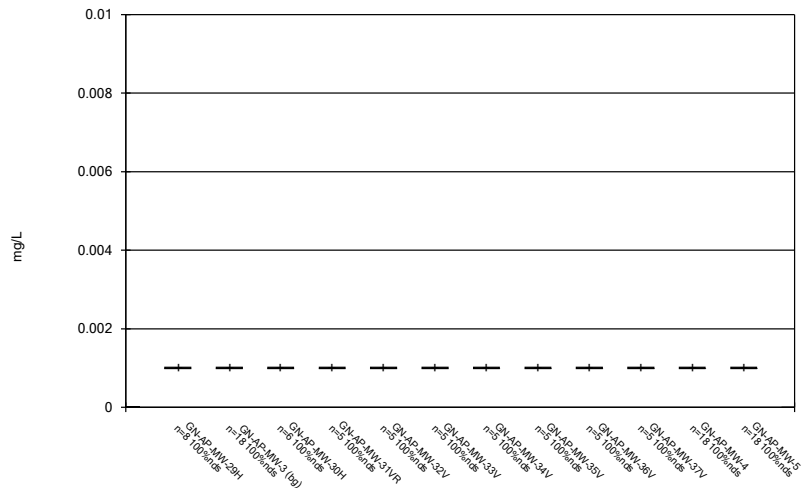
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Box & Whiskers Plot



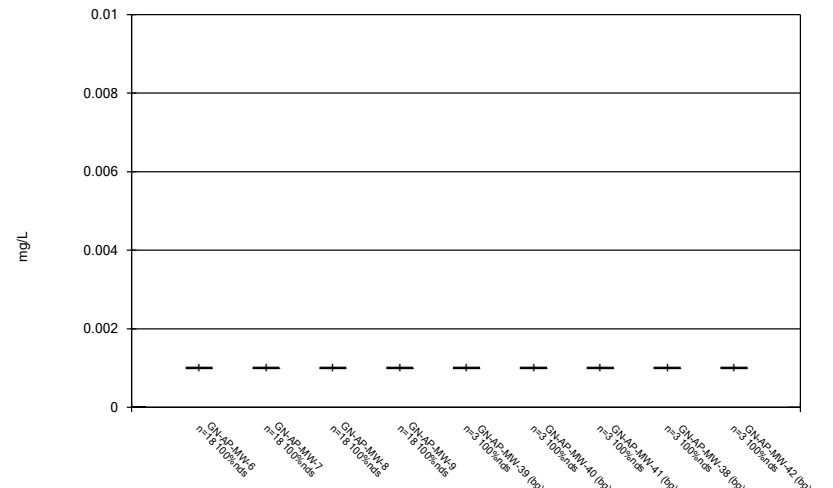
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



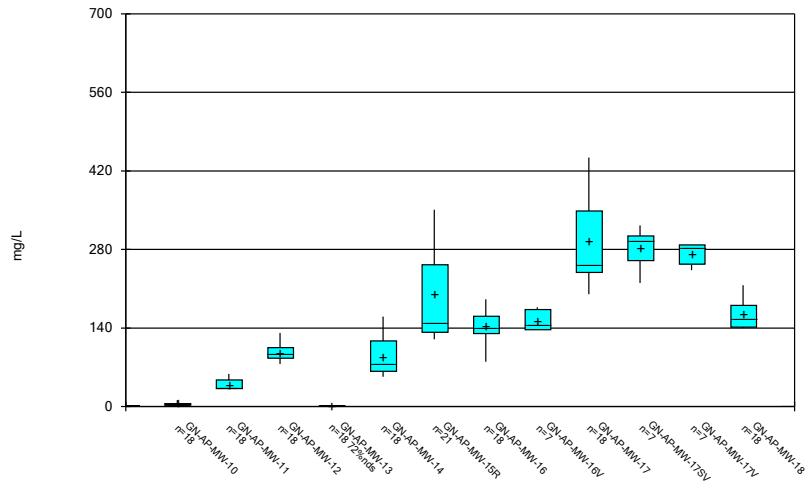
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Box & Whiskers Plot



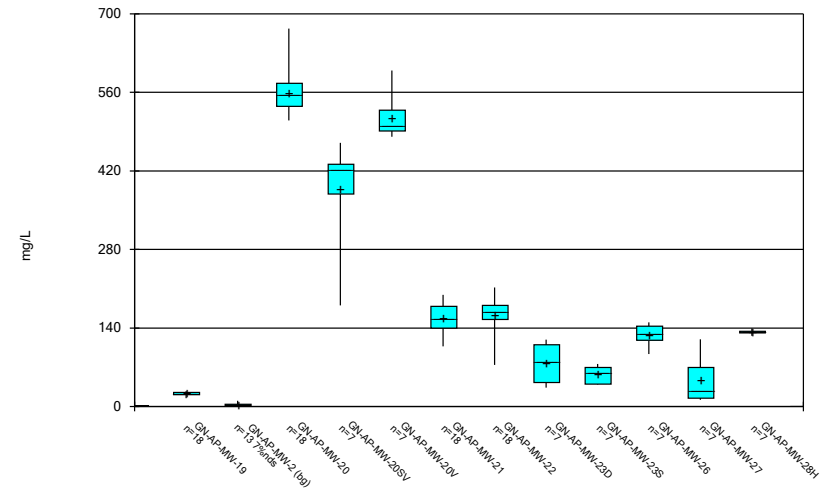
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Box & Whiskers Plot



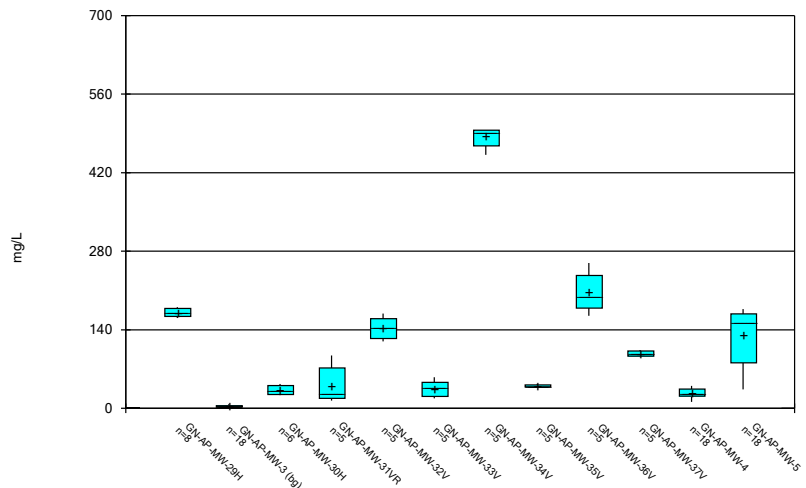
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Box & Whiskers Plot



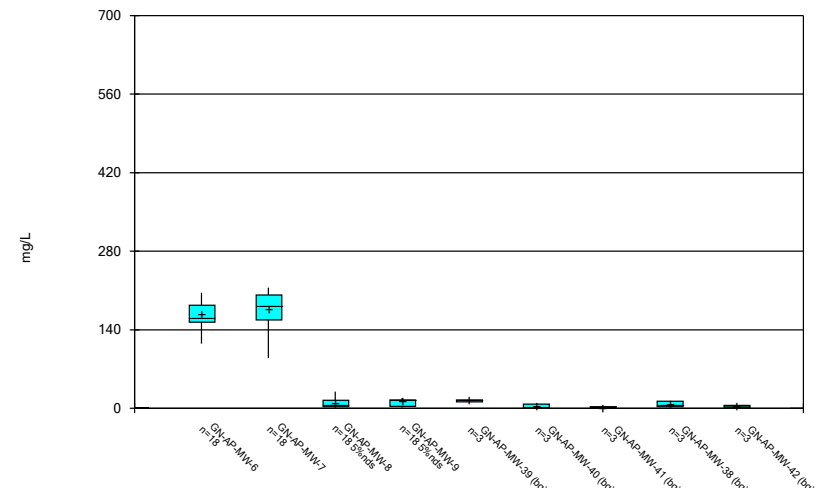
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Box & Whiskers Plot



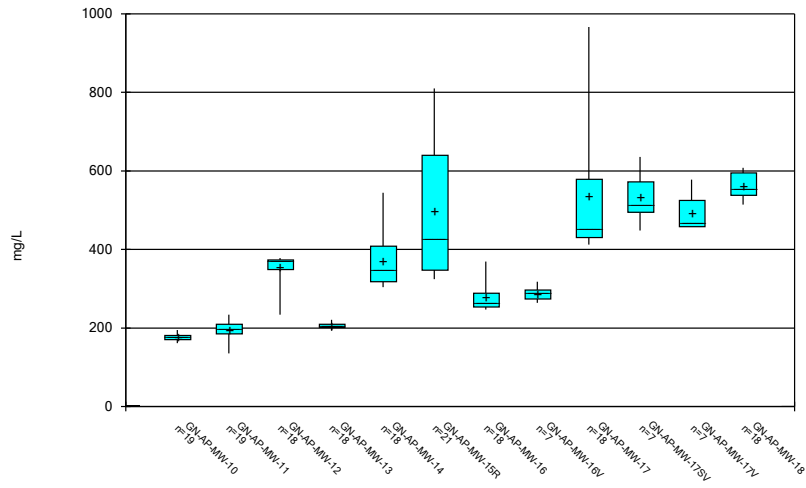
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Box & Whiskers Plot



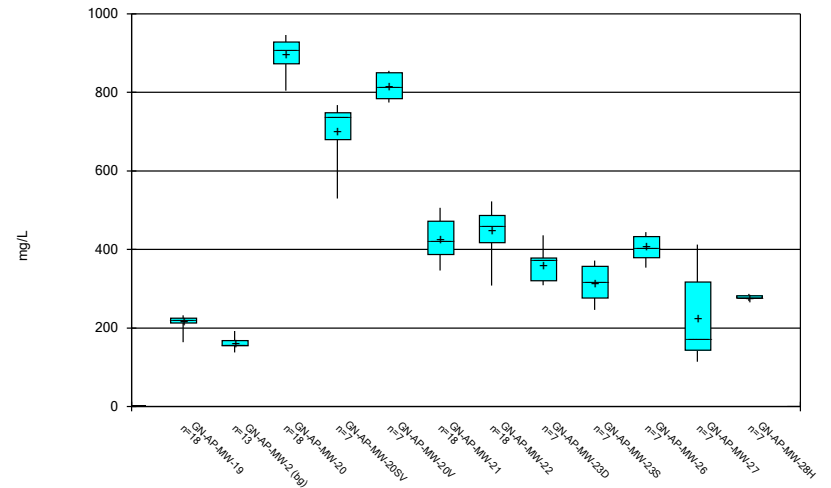
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Box & Whiskers Plot



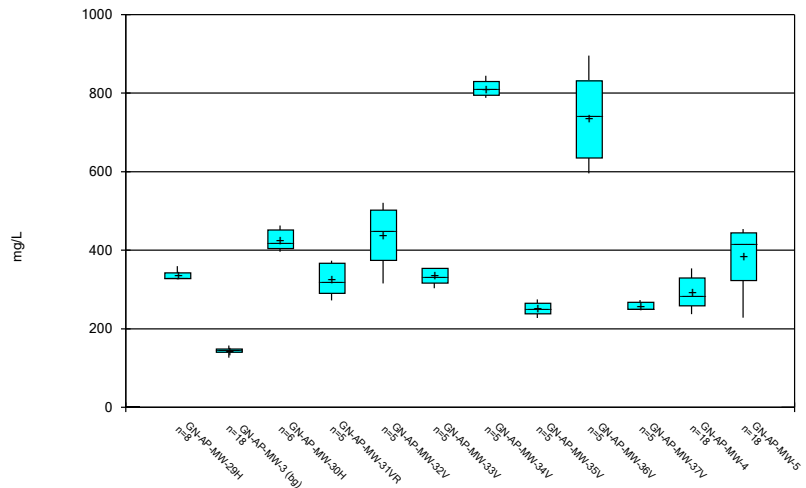
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Box & Whiskers Plot



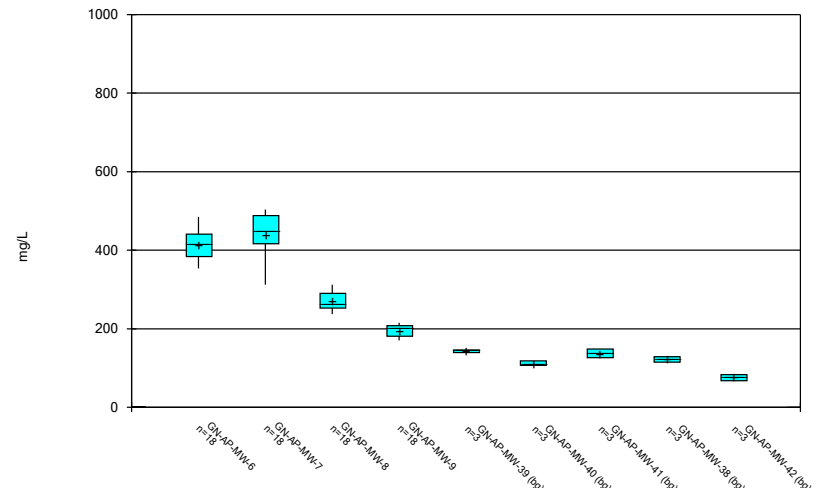
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Box & Whiskers Plot



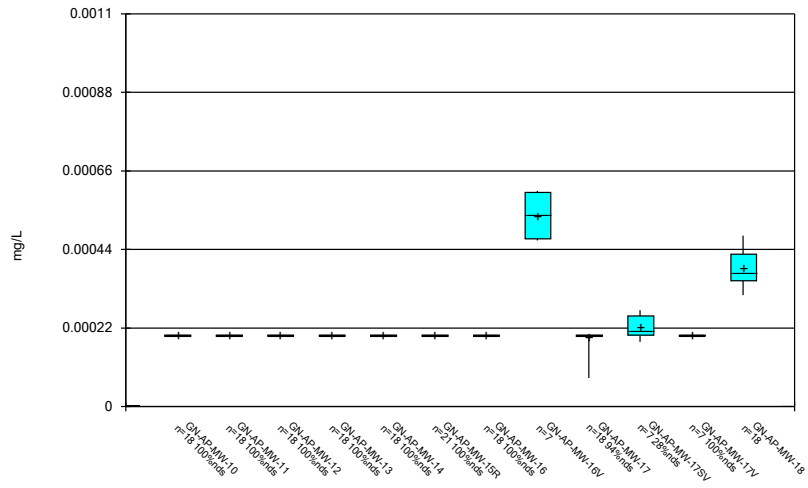
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



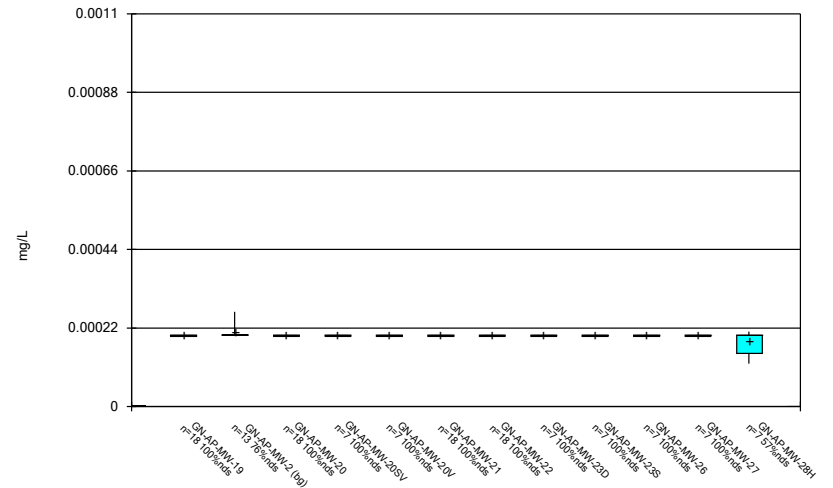
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Box & Whiskers Plot



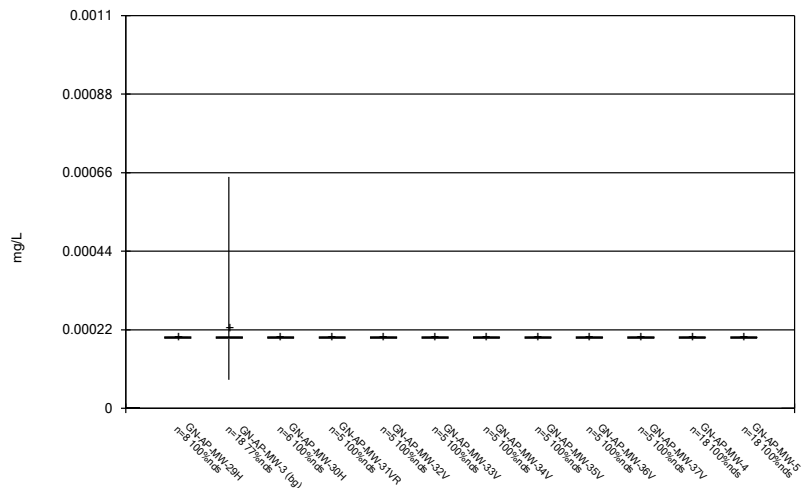
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Box & Whiskers Plot



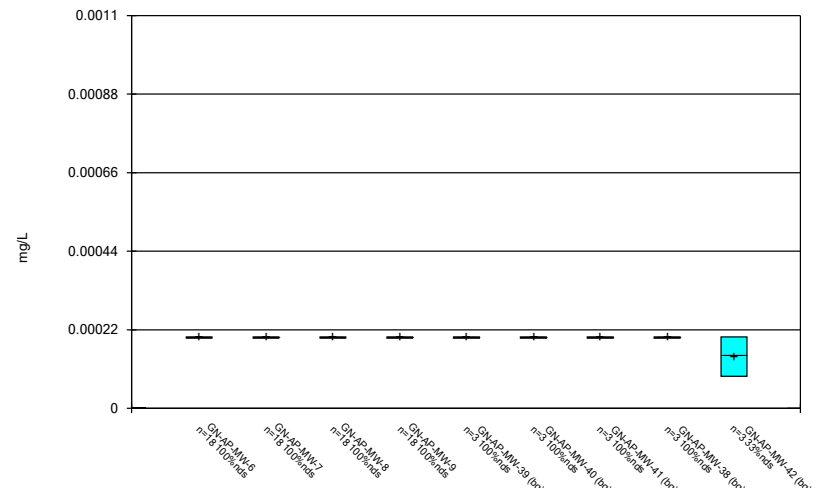
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



Constituent: Thallium Analysis Run 7/15/2022 2:39 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



Constituent: Thallium Analysis Run 7/15/2022 2:39 PM
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

FIGURE C.

Outlier Summary

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:41 PM

	GN-AP-MW-3 Calcium (mg/L)	GN-AP-MW-14 Lead (mg/L)
3/28/2016	0.0202 (o)	
3/1/2017		<0.5 (o)

FIGURE D.

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	5/2/2022	0.324	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	5/3/2022	0.465	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	5/2/2022	2.36	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	4/27/2022	1.47	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	4/20/2022	3.43	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	4/26/2022	1.65	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	4/20/2022	4.49	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	5/3/2022	1.61	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	5/3/2022	1	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	5/2/2022	0.109	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	5/3/2022	0.562	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	5/3/2022	1.81	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	5/3/2022	1.3	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.36	n/a	5/2/2022	43.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.36	n/a	5/3/2022	65.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.36	n/a	5/2/2022	44.1	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.36	n/a	4/27/2022	85.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.36	n/a	5/2/2022	93.2	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.36	n/a	4/27/2022	74.9	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.36	n/a	4/20/2022	240	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.36	n/a	4/26/2022	149	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.36	n/a	4/19/2022	45.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.36	n/a	4/20/2022	182	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.36	n/a	5/3/2022	73	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.36	n/a	5/3/2022	64	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.36	n/a	5/2/2022	56.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.36	n/a	5/3/2022	56.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.36	n/a	5/3/2022	68.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.36	n/a	5/3/2022	69	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.36	n/a	5/2/2022	52.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	5/2/2022	6.86	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	5/3/2022	18.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	5/2/2022	79.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	4/27/2022	35.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	4/20/2022	186	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	4/26/2022	13.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	4/19/2022	13.7	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	4/20/2022	19.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	5/3/2022	30.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	5/3/2022	14.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	5/2/2022	8.75	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	5/3/2022	12.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	5/3/2022	26.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	5/3/2022	12.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	5/2/2022	8.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-16	7.99	6.07	4/27/2022	8.17	Yes	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	7.99	6.07	4/20/2022	9.25	Yes	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.35	n/a	5/2/2022	58.3	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.35	n/a	5/3/2022	97	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.35	n/a	4/27/2022	118	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.35	n/a	5/2/2022	224	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.35	n/a	4/27/2022	191	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.35	n/a	4/20/2022	444	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.35	n/a	4/26/2022	216	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.35	n/a	4/19/2022	27.6	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.35	n/a	4/20/2022	575	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.35	n/a	5/3/2022	131	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.35	n/a	5/3/2022	74.2	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.35	n/a	5/3/2022	34	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.35	n/a	5/3/2022	115	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.35	n/a	5/3/2022	107	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.35	n/a	5/2/2022	17.9	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	GN-AP-MW-11	185	n/a	5/2/2022	234	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	185	n/a	5/3/2022	371	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	185	n/a	5/2/2022	201	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	185	n/a	4/27/2022	417	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	185	n/a	5/2/2022	574	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	185	n/a	4/27/2022	369	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	185	n/a	4/20/2022	967	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-18	185	n/a	4/26/2022	596	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	185	n/a	4/19/2022	225	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	185	n/a	4/20/2022	946	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	185	n/a	5/3/2022	388	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	185	n/a	5/3/2022	308	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	185	n/a	5/2/2022	248	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	185	n/a	5/3/2022	239	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	185	n/a	5/3/2022	376	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	185	n/a	5/3/2022	329	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	185	n/a	5/2/2022	237	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	185	n/a	5/2/2022	209	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-10	0.1015	n/a	5/2/2022	0.0352J	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	5/2/2022	0.324	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	5/3/2022	0.465	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-13	0.1015	n/a	5/2/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-14	0.1015	n/a	4/27/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	5/2/2022	2.36	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	4/27/2022	1.47	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	4/20/2022	3.43	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	4/26/2022	1.65	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-19	0.1015	n/a	4/19/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	4/20/2022	4.49	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	5/3/2022	1.61	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	5/3/2022	1	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	5/2/2022	0.109	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	5/3/2022	0.562	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	5/3/2022	1.81	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	5/3/2022	1.3	Yes	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-8	0.1015	n/a	5/2/2022	0.0313J	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-9	0.1015	n/a	5/2/2022	0.1015ND	No	46	n/a	n/a	97.83	n/a	n/a	0.0008518	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-10	38.36	n/a	5/2/2022	37.8	No	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.36	n/a	5/2/2022	43.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.36	n/a	5/3/2022	65.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.36	n/a	5/2/2022	44.1	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.36	n/a	4/27/2022	85.3	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.36	n/a	5/2/2022	93.2	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.36	n/a	4/27/2022	74.9	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.36	n/a	4/20/2022	240	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.36	n/a	4/26/2022	149	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.36	n/a	4/19/2022	45.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.36	n/a	4/20/2022	182	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.36	n/a	5/3/2022	73	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.36	n/a	5/3/2022	64	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.36	n/a	5/2/2022	56.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.36	n/a	5/3/2022	56.6	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.36	n/a	5/3/2022	68.8	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.36	n/a	5/3/2022	69	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.36	n/a	5/2/2022	52.4	Yes	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-9	38.36	n/a	5/2/2022	30.9	No	45	28562	12598	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-10	6.09	n/a	5/2/2022	3.2	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	5/2/2022	6.86	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	5/3/2022	18.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-13	6.09	n/a	5/2/2022	4.32	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-14	6.09	n/a	4/27/2022	4.1	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	5/2/2022	79.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	4/27/2022	35.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	4/20/2022	186	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	4/26/2022	13.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	4/19/2022	13.7	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	4/20/2022	19.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	5/3/2022	30.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	5/3/2022	14.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	5/2/2022	8.75	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	5/3/2022	12.8	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	5/3/2022	26.9	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	5/3/2022	12.6	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-8	6.09	n/a	5/2/2022	3.33	No	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	5/2/2022	8.5	Yes	46	n/a	n/a	2.174	n/a	n/a	0.0008518	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GN-AP-MW-10	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-11	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-12	0.181	n/a	5/3/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-13	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-14	0.181	n/a	4/27/2022	0.0652J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-15R	0.181	n/a	5/2/2022	0.08J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-16	0.181	n/a	4/27/2022	0.0766J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-17	0.181	n/a	4/20/2022	0.128	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-18	0.181	n/a	4/26/2022	0.125ND									

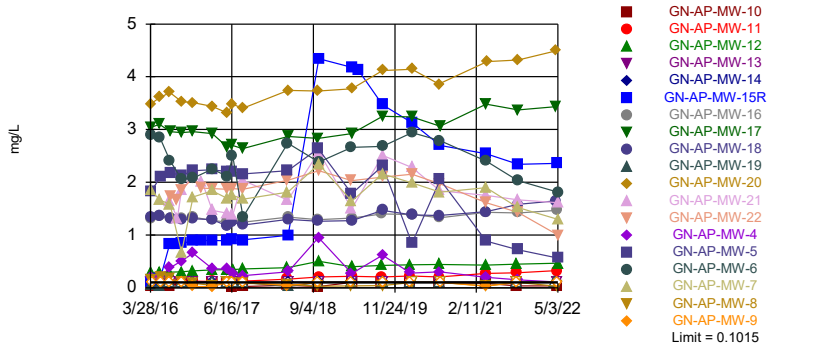
Interwell Prediction Limits - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GN-AP-MW-20	0.181	n/a	4/20/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-21	0.181	n/a	5/3/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-22	0.181	n/a	5/3/2022	0.0819J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-4	0.181	n/a	5/2/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-5	0.181	n/a	5/3/2022	0.0648J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-6	0.181	n/a	5/3/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-7	0.181	n/a	5/3/2022	0.125ND	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-8	0.181	n/a	5/2/2022	0.111J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-9	0.181	n/a	5/2/2022	0.122J	No	48	n/a	n/a	60.42	n/a	n/a	0.0007811	NP Inter (NDs) 1 of 2
pH (pH)	GN-AP-MW-10	7.99	6.07	5/2/2022	7.12	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-11	7.99	6.07	5/2/2022	7.16	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-12	7.99	6.07	5/3/2022	7.39	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-13	7.99	6.07	5/2/2022	7.46	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-14	7.99	6.07	4/27/2022	7.07	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-15R	7.99	6.07	5/2/2022	7.49	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-16	7.99	6.07	4/27/2022	8.17	Yes	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	7.99	6.07	4/20/2022	9.25	Yes	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-18	7.99	6.07	4/26/2022	6.77	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-19	7.99	6.07	4/19/2022	7.63	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-20	7.99	6.07	4/20/2022	7.83	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-21	7.99	6.07	5/3/2022	7.48	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-22	7.99	6.07	5/3/2022	7.21	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-4	7.99	6.07	5/2/2022	6.68	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-5	7.99	6.07	5/3/2022	7.01	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-6	7.99	6.07	5/3/2022	7.63	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-7	7.99	6.07	5/3/2022	7.53	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-8	7.99	6.07	5/2/2022	7.44	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-9	7.99	6.07	5/2/2022	7.7	No	48	n/a	n/a	0	n/a	n/a	0.001562	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-10	14.35	n/a	5/2/2022	4.75	No	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.35	n/a	5/2/2022	58.3	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.35	n/a	5/3/2022	97	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-13	14.35	n/a	5/2/2022	1ND	No	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.35	n/a	4/27/2022	118	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.35	n/a	5/2/2022	224	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.35	n/a	4/27/2022	191	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.35	n/a	4/20/2022	444	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.35	n/a	4/26/2022	216	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.35	n/a	4/19/2022	27.6	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.35	n/a	4/20/2022	575	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.35	n/a	5/3/2022	131	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.35	n/a	5/3/2022	74.2	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-4	14.35	n/a	5/2/2022	11.1	No	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.35	n/a	5/3/2022	34	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.35	n/a	5/3/2022	115	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.35	n/a	5/3/2022	107	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-8	14.35	n/a	5/2/2022	3.02	No	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.35	n/a	5/2/2022	17.9	Yes	46	1.18	0.6714	2.174	None	ln(x)	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-10	185	n/a	5/2/2022	173	No	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-11	185	n/a	5/2/2022	234	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	185	n/a	5/3/2022	371	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	185	n/a	5/2/2022	201	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	185	n/a	4/27/2022	417	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	185	n/a	5/2/2022	574	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	185	n/a	4/27/2022	369	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	185	n/a	4/20/2022	967	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-18	185	n/a	4/26/2022	596	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	185	n/a	4/19/2022	225	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	185	n/a	4/20/2022	946	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	185	n/a	5/3/2022	388	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	185	n/a	5/3/2022	308	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	185	n/a	5/2/2022	248	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	185	n/a	5/3/2022	239	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	185	n/a	5/3/2022	376	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	185	n/a	5/3/2022	329	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	185	n/a	5/2/2022	237	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	185	n/a	5/2/2022	209	Yes	46	20304	6299	0	None	x^2	0.000396	Param Inter 1 of 2

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-20...

Prediction Limit
Interwell Non-parametric

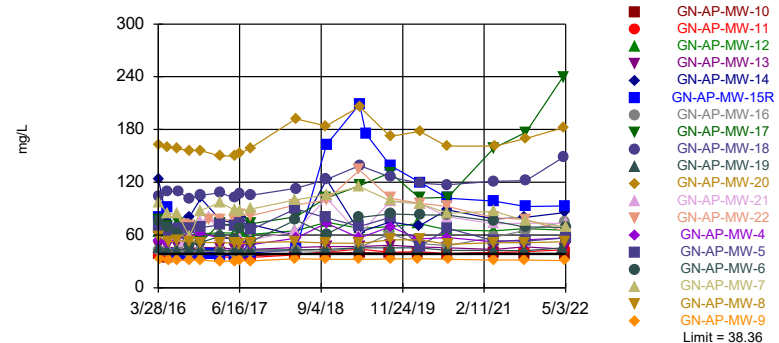


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 46 background values. 97.83% NDs. Annual per-constituent alpha = 0.03186. Individual comparison alpha = 0.0008518 (1 of 2). Comparing 19 points to limit.

Constituent: Boron Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17,...

Prediction Limit
Interwell Parametric

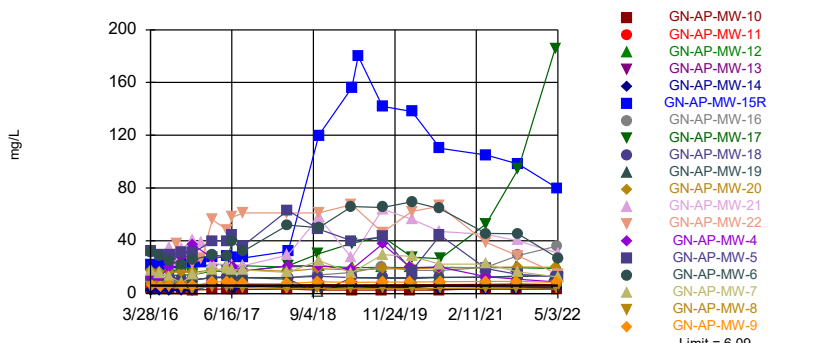


Background Data Summary (based on cube transformation): Mean=28562, Std. Dev.=12598, n=45. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9516, critical = 0.926. Kappa = 2.214 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Calcium Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19...

Prediction Limit
Interwell Non-parametric

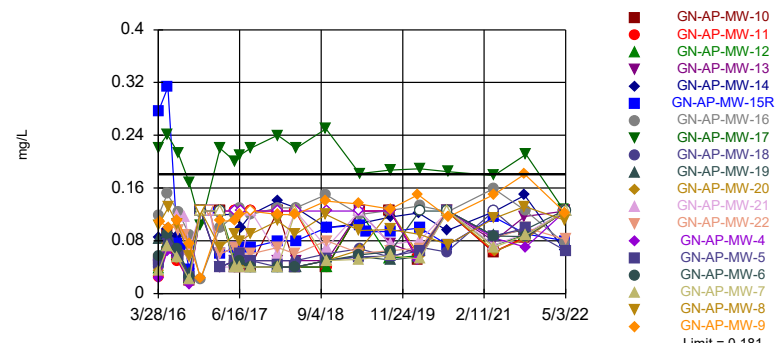


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 46 background values. 2.174% NDs. Annual per-constituent alpha = 0.03186. Individual comparison alpha = 0.0008518 (1 of 2). Comparing 19 points to limit.

Constituent: Chloride Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Within Limit

Prediction Limit
Interwell Non-parametric

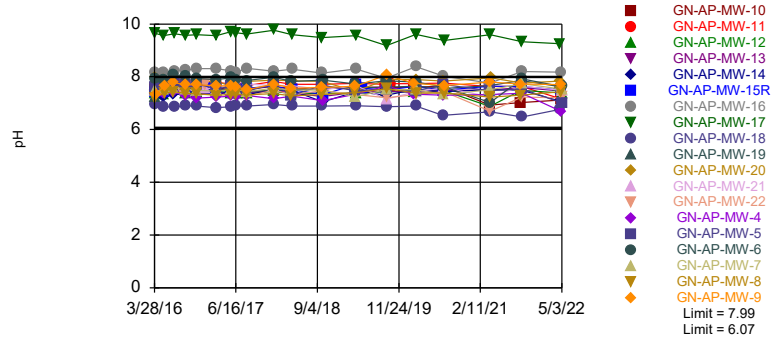


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 48 background values. 60.42% NDs. Annual per-constituent alpha = 0.02926. Individual comparison alpha = 0.0007811 (1 of 2). Comparing 19 points to limit.

Constituent: Fluoride Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limits: GN-AP-MW-16, GN-AP-MW-17

Prediction Limit
Interwell Non-parametric

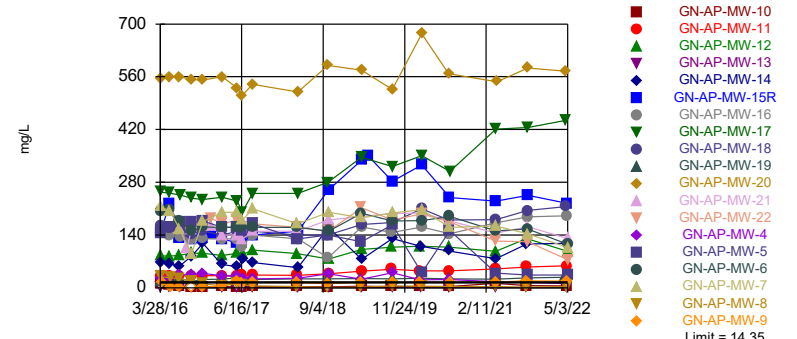


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 48 background values. Annual per-constituent alpha = 0.05852. Individual comparison alpha = 0.001562 (1 of 2). Comparing 19 points to limit.

Constituent: pH Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18

Prediction Limit
Interwell Parametric

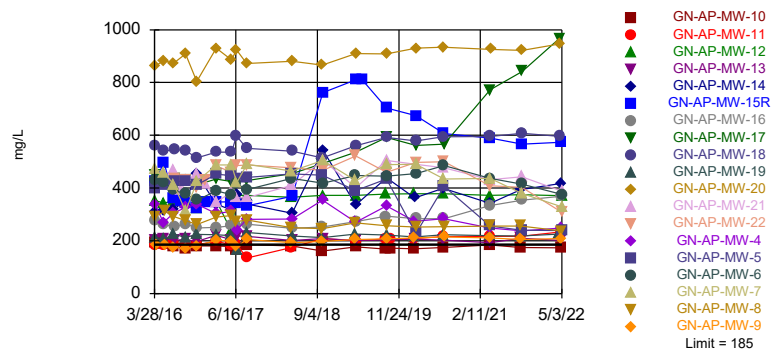


Background Data Summary (based on natural log transformation): Mean=1.18, Std. Dev.=0.6714, n=46, 2.174% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9529, critical = 0.927. Kappa = 2.21 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Sulfate Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17,...

Prediction Limit
Interwell Parametric



Background Data Summary (based on square transformation): Mean=20304, Std. Dev.=6299, n=46. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9565, critical = 0.927. Kappa = 2.21 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: TDS Analysis Run 7/1/2022 10:58 AM View: Appendix III
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-14	GN-AP-MW-19	GN-AP-MW-15R	GN-AP-MW-20	GN-AP-MW-18	GN-AP-MW-17	GN-AP-MW-16
3/28/2016	<0.1015	<0.1015	<0.1015	0.0538 (J)	0.103				
3/29/2016						3.48	1.33	3.04	1.32
3/30/2016									
4/4/2016									
5/17/2016	<0.1015		<0.1015				1.37	3.1	1.35
5/18/2016		<0.1015		0.0252 (J)		3.61			
5/19/2016					0.169				
5/23/2016									
7/11/2016	<0.1015	<0.1015	<0.1015		0.829				
7/12/2016									
7/13/2016				<0.1015		3.7			
7/14/2016								2.96	1.32
7/18/2016							1.31		
8/22/2016					0.835				
9/12/2016									
9/13/2016			<0.1015	<0.1015				2.94	1.31
9/14/2016	<0.1015	<0.1015			0.838	3.53	1.28		
11/14/2016						3.51	1.31		1.34
11/15/2016			<0.1015		0.894				
11/16/2016	<0.1015	<0.1015		<0.1015				2.96	
1/3/2017					0.897				
2/27/2017			<0.1015	<0.1015	0.897				
2/28/2017						3.44	1.29	2.92	1.28
3/1/2017	<0.1015	<0.1015							
5/22/2017				<0.1015	0.892				
5/23/2017	<0.1015	<0.1015							
5/24/2017			<0.1015			3.31	1.17	2.66	1.24
6/19/2017	<0.1015	<0.1015				3.48	1.24	2.7	1.26
6/20/2017					0.91				
6/21/2017			<0.1015	<0.1015					
8/14/2017				<0.1015	0.906	3.4	1.19	2.64	1.24
8/15/2017	<0.1015	<0.1015	<0.1015						
8/16/2017									
4/16/2018									
4/17/2018									
4/19/2018	<0.1015	<0.1015	<0.1015	0.0258 (J)	0.991	3.74	1.3	2.87	1.34
10/1/2018						3.73	1.26	2.83	1.29
10/2/2018				<0.1015					
10/3/2018	<0.1015	<0.1015							
10/4/2018									
10/5/2018			<0.1015		4.34				
4/1/2019		<0.1015		<0.1015					
4/2/2019	<0.1015								
4/3/2019			<0.1015		4.18	3.77	1.27	2.92	1.32
5/7/2019					4.13				
9/16/2019									1.4
9/17/2019	<0.1015		<0.1015					3.25	
9/18/2019		<0.1015		<0.1015	3.47	4.12	1.47		
2/17/2020									
2/18/2020				<0.1015					
2/19/2020	<0.1015		<0.1015						
2/25/2020					3.13	4.14	1.38		1.39

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-7	GN-AP-MW-6	GN-AP-MW-5	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-4
2/26/2020				1.99	2.94	0.84			
7/22/2020		<0.1015						0.205	
7/23/2020									
7/27/2020			<0.1015				0.444		0.3
7/28/2020				1.81	2.79	2.05			
7/29/2020	<0.1015								
4/5/2021		0.0854 (J)					0.427	0.271	0.2
4/6/2021	0.0327 (J)		<0.1015						
4/7/2021				1.9	2.4	0.885			
4/12/2021									
4/13/2021									
9/21/2021	<0.1015	0.0378 (J)						0.283	
9/22/2021			<0.1015				0.447		
9/27/2021				1.52	2.03	0.721			0.149
9/28/2021									
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022									
4/27/2022									
5/2/2022	0.0313 (J)	0.0352 (J)	<0.1015					0.324	0.109
5/3/2022				1.3	1.81	0.562	0.465		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-42 (bg)
2/26/2020		2.28	2.15					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		1.84	1.97					
7/29/2020	<0.1015							
4/5/2021	0.0314 (J)							
4/6/2021								
4/7/2021		1.75	1.61					
4/12/2021				<0.1015	<0.1015	<0.1015	0.0342 (J)	
4/13/2021								<0.1015
9/21/2021	<0.1015			<0.1015	<0.1015	<0.1015	<0.1015	<0.1015
9/22/2021								
9/27/2021		1.67	1.43					
9/28/2021								
9/29/2021								
4/19/2022				<0.1015	<0.1015	<0.1015	<0.1015	<0.1015
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	<0.1015							
5/3/2022		1.61	1					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-14	GN-AP-MW-2 (bg)	GN-AP-MW-3 (bg)	GN-AP-MW-15R	GN-AP-MW-18	GN-AP-MW-17	GN-AP-MW-16	GN-AP-MW-20
3/28/2016	46	124	34.2	31.6	79.7				
3/29/2016						104	77.4	43.2	163
3/30/2016									
4/4/2016									
5/17/2016		74.6		29.6		110	70.3	41.4	
5/18/2016	42.9		32.6						160
5/19/2016					91.5				
5/23/2016									
7/11/2016		68.9	32.5	30	38.1				
7/12/2016									
7/13/2016	43.1								158
7/14/2016							73	41.9	
7/18/2016						109			
8/22/2016					37.3				
9/12/2016									
9/13/2016	44.1	80.3					70.7	39.6	
9/14/2016			32.1	30.6	36.5	101			156
11/14/2016						105		41	156
11/15/2016		102			36.8				
11/16/2016	42.7		33.4	30.4			51.7		
1/3/2017					38				
2/27/2017	43.1	77.9			36.8				
2/28/2017						108	73.1	41.8	150
3/1/2017			33.3	<0.5 (o)					
5/22/2017	41.9				36.9				
5/23/2017			32.7	30.1					
5/24/2017		72.9				102	70.6	39.8	150
6/19/2017			32.6	29.9		107	67.7	40.2	153
6/20/2017					36.9				
6/21/2017	41.8	80							
8/14/2017	43				39.5	105	72.8	41.3	159
8/15/2017		72.1	31.5	28.1					
8/16/2017									
4/16/2018									
4/17/2018									
4/19/2018	43.2	59.6	34.2	31.2	43.4	113	80.8	42.3	192
10/1/2018						123	102	41.5	184
10/2/2018	43.8								
10/3/2018			38.6	32.3					
10/4/2018									
10/5/2018		123			163				
4/1/2019	45.6		35.8						
4/2/2019				31.6					
4/3/2019		63.1			209	139	116	45.7	206
5/7/2019					175				
9/16/2019								61.3	
9/17/2019		74.9		31.7			131		
9/18/2019	45.6		35		139	126			172
2/17/2020									
2/18/2020	45.5								
2/19/2020		69.9		32.3					
2/25/2020					120	119		50	178

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-14	GN-AP-MW-2 (bg)	GN-AP-MW-3 (bg)	GN-AP-MW-15R	GN-AP-MW-18	GN-AP-MW-17	GN-AP-MW-16	GN-AP-MW-20
2/26/2020							102		
7/22/2020						117			161
7/23/2020		88.6							
7/27/2020	42.6			31					
7/28/2020					102			48.1	
7/29/2020							103		
4/5/2021	42.6			30.6				57.6	
4/6/2021		78.2			98.6	121	159		
4/7/2021									
4/12/2021									161
4/13/2021									
9/21/2021									
9/22/2021	42.1	80							
9/27/2021				30.7					
9/28/2021					92.5	122		65.3	170
9/29/2021							177		
4/19/2022	45.6								
4/20/2022							240		182
4/26/2022						149			
4/27/2022		85.3						74.9	
5/2/2022					93.2				
5/3/2022				29.9					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-12	GN-AP-MW-6	GN-AP-MW-4	GN-AP-MW-13	GN-AP-MW-5	GN-AP-MW-11	GN-AP-MW-7	GN-AP-MW-10
2/26/2020			83.1			46.8		95.8	
7/22/2020							39		38.5
7/23/2020									
7/27/2020		65.7		57	45.5				
7/28/2020			82.5			67.8		84.9	
7/29/2020	49.4								
4/5/2021		64.8		52.2			40.1		40
4/6/2021	51.1				43.8				
4/7/2021			75.5			53.3		86.8	
4/12/2021									
4/13/2021									
9/21/2021	51.4						40.9		38.4
9/22/2021		67.3			46.6				
9/27/2021			69.2	54.4		53.1		76.2	
9/28/2021									
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022									
4/27/2022									
5/2/2022	52.4			56.8	44.1		43.4		37.8
5/3/2022		65.3	68.8			56.6		69	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-41 (bg)	GN-AP-MW-39 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-42 (bg)
2/26/2020		95.5	95.9					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		80.8	92.3					
7/29/2020	32.4							
4/5/2021	31.7							
4/6/2021								
4/7/2021		72.7	79.7					
4/12/2021				26.6	35	23.2	22.9	
4/13/2021								11.7
9/21/2021	31.5			31.7	36.1	22.3	21.6	15.4
9/22/2021								
9/27/2021		73.4	77.7					
9/28/2021								
9/29/2021								
4/19/2022				29.4	36.4	23.3	21.6	11
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	30.9							
5/3/2022		73	64					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-14	GN-AP-MW-19	GN-AP-MW-15R	GN-AP-MW-20	GN-AP-MW-18	GN-AP-MW-17	GN-AP-MW-16
3/28/2016	2.48	1.73	2.11	9.86	21.9				
3/29/2016						17.2	11.1	14.7	10.8
3/30/2016									
4/4/2016									
5/17/2016	1.9		2.38				10.3	13.8	10
5/18/2016		1.4		9.4		16.2			
5/19/2016					20.9				
5/23/2016									
7/11/2016	1.93	1.73	2.42		23				
7/12/2016									
7/13/2016				10.3		16.2			
7/14/2016								13.8	10.1
7/18/2016							10.3		
8/22/2016					23.3				
9/12/2016									
9/13/2016			2.34	9.68				14.1	10.4
9/14/2016	1.77	2.24			23.6	16.2	10.3		
11/14/2016						16.1	10.3		10.4
11/15/2016			2.55		23.8				
11/16/2016	1.98	3.57		10.2				14.2	
1/3/2017					24.1				
2/27/2017			5.8	12	27				
2/28/2017						18	12	17	12
3/1/2017	2.3	3.4							
5/22/2017				12	28				
5/23/2017	2.2	2.4							
5/24/2017			5.9			18	13	17	12
6/19/2017	1.7 (J)	1.9 (J)				18	12	16	11
6/20/2017					27				
6/21/2017			3.6	12					
8/14/2017				12	27	18	12	17	12
8/15/2017	2.1	5.4	4.9						
8/16/2017									
4/16/2018									
4/17/2018									
4/19/2018	1.7 (J)	1.8 (J)	6.5	11	32	17	12	21	12
10/1/2018						19	13	30	14
10/2/2018				<2					
10/3/2018	1.7 (J)	<2							
10/4/2018									
10/5/2018			3.5		120				
4/1/2019		1.36		11.9					
4/2/2019	1.65								
4/3/2019			5.72		156	17.9	12.1	38	15.9
5/7/2019					180				
9/16/2019									20.4
9/17/2019	1.93		4.16					43.2	
9/18/2019		1.53		11.6	142	18.7	12.2		
2/17/2020									
2/18/2020				11.4					
2/19/2020	1.81		4.9						
2/25/2020					138	19	12.2		17.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-7	GN-AP-MW-6	GN-AP-MW-5	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-4
2/26/2020				28	69.7	17.5			
7/22/2020		2.53						6.75	
7/23/2020									
7/27/2020			5.2				19.8		20.2
7/28/2020				22.3	64.2	44.2			
7/29/2020	3.77								
4/5/2021		3.88					19.7	7.09	12.8
4/6/2021	3.9		5.06						
4/7/2021				22.4	45.5	18.8			
4/12/2021									
4/13/2021									
9/21/2021	3.8	3.39						7.14	
9/22/2021			4.8				19.7		
9/27/2021				16.5	45.3	14.6			11
9/28/2021									
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022									
4/27/2022									
5/2/2022	3.33	3.2	4.32					6.86	8.75
5/3/2022				12.6	26.9	12.8	18.9		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-42 (bg)
2/26/2020		56.3	62.2					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		47	66.1					
7/29/2020	8.93							
4/5/2021	9.25							
4/6/2021								
4/7/2021		44.8	38.9					
4/12/2021				5.88	2.91	3.05	4.13	
4/13/2021								4.18
9/21/2021	9.17			6.09	2.94	2.78	2.19	3.99
9/22/2021								
9/27/2021		40.1	28.6					
9/28/2021								
9/29/2021								
4/19/2022				5.24	2.22	2.71	2.03	3.8
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	8.5							
5/3/2022		30.6	14.8					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-2 (bg)	GN-AP-MW-3 (bg)	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-19	GN-AP-MW-17	GN-AP-MW-16	GN-AP-MW-20	GN-AP-MW-18
3/28/2016	0.028 (J)	0.032 (J)	0.084 (J)	0.276 (J)	0.083 (J)				
3/29/2016						0.221 (J)	0.118 (J)	0.035 (J)	0.04 (J)
3/30/2016									
4/4/2016									
5/17/2016		0.068 (J)	0.098 (J)			0.241 (J)	0.151 (J)		0.079 (J)
5/18/2016	0.064 (J)				0.092 (J)			0.076 (J)	
5/19/2016				0.313					
5/23/2016									
7/11/2016	0.054 (J)	0.057 (J)	0.086 (J)	0.076 (J)					
7/12/2016									
7/13/2016					0.064 (J)			0.053 (J)	
7/14/2016						0.213 (J)	0.124 (J)		
7/18/2016									0.058 (J)
8/22/2016				0.067 (J)					
9/12/2016									
9/13/2016			0.061 (J)		0.03 (J)	0.168 (J)	0.089 (J)		
9/14/2016	0.016 (J)	0.017 (J)		0.036 (J)				0.022 (J)	0.025 (J)
11/14/2016							0.022 (J)	<0.125	<0.125
11/15/2016			<0.125	<0.125					
11/16/2016	<0.125	<0.125			<0.125	0.103 (J)			
1/3/2017				<0.125					
2/27/2017			0.12	0.06 (J)	<0.125				
2/28/2017						0.22	0.1	<0.125	0.04 (J)
3/1/2017	<0.125	<0.125							
5/22/2017				0.07 (J)	0.04 (J)				
5/23/2017	<0.125	<0.125							
5/24/2017			0.12			0.2	0.12	0.04 (J)	0.05 (J)
6/19/2017	<0.125	<0.125				0.21	0.13	0.04 (J)	0.05 (J)
6/20/2017				0.07 (J)					
6/21/2017			0.1		0.05 (J)				
8/14/2017				0.07 (J)	0.04 (J)	0.22	0.12	0.04 (J)	0.05 (J)
8/15/2017	<0.125	<0.125	0.12						
8/16/2017									
1/9/2018			0.14	0.08 (J)		0.24	0.13	0.04 (J)	0.05 (J)
1/10/2018	<0.125	<0.125			0.04 (J)				
4/16/2018									
4/17/2018									
4/19/2018	<0.125	<0.125	0.13	0.08 (J)	0.04 (J)	0.22	0.13	0.04 (J)	0.05 (J)
10/1/2018						0.25	0.15	0.05 (J)	0.06 (J)
10/2/2018					0.05 (J)				
10/3/2018	0.04 (J)	<0.125							
10/4/2018									
10/5/2018			0.1	0.1					
4/1/2019	<0.125				0.0563 (J)				
4/2/2019		<0.125							
4/3/2019			0.106	0.104		0.182	0.12	0.0657 (J)	0.0678 (J)
5/7/2019				0.0937 (J)					
9/16/2019							0.126		
9/17/2019		<0.125	0.116			0.187			
9/18/2019	<0.125			0.094 (J)	0.0507 (J)			<0.125	0.0551 (J)
2/17/2020									
2/18/2020					0.0557 (J)				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-5	GN-AP-MW-13	GN-AP-MW-4	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-10
3/28/2016									
3/29/2016	0.104 (J)								
3/30/2016		0.056 (J)	0.034 (J)	0.048 (J)	0.042 (J)	0.023 (J)	0.039 (J)	0.026 (J)	0.052 (J)
4/4/2016									
5/17/2016						0.065 (J)			0.088 (J)
5/18/2016					0.08 (J)		0.078 (J)	0.068 (J)	
5/19/2016		0.09 (J)	0.072 (J)						
5/23/2016	0.131 (J)			0.076 (J)					
7/11/2016						0.054 (J)			
7/12/2016	0.105 (J)								
7/13/2016		0.067 (J)	0.054 (J)				0.058 (J)	0.049 (J)	0.06 (J)
7/14/2016				0.058 (J)	0.06 (J)				
7/18/2016									
8/22/2016									
9/12/2016					0.028 (J)		0.023 (J)		
9/13/2016	0.057 (J)	0.026 (J)	0.021 (J)	0.025 (J)				0.018 (J)	0.019 (J)
9/14/2016						0.014 (J)			
11/14/2016					<0.125		<0.125	<0.125	
11/15/2016	<0.125	<0.125	<0.125	<0.125					<0.125
11/16/2016						<0.125			
1/3/2017									
2/27/2017									
2/28/2017	0.07 (J)				0.04 (J)	<0.125	<0.125	<0.125	<0.125
3/1/2017		<0.125	<0.125	0.04 (J)					
5/22/2017								<0.125	0.04 (J)
5/23/2017		0.04 (J)	0.04 (J)	0.05 (J)					
5/24/2017	0.09 (J)				0.05 (J)	<0.125	0.05 (J)		
6/19/2017								<0.125	0.04 (J)
6/20/2017	0.08 (J)	0.05 (J)	0.04 (J)	0.06 (J)					
6/21/2017					0.05 (J)	<0.125	0.05 (J)		
8/14/2017					0.05 (J)		0.04 (J)	<0.125	0.04 (J)
8/15/2017	0.09 (J)	0.04 (J)	0.04 (J)	0.05 (J)		<0.125			
8/16/2017									
1/9/2018				0.04 (J)	0.05 (J)		0.04 (J)	<0.125	
1/10/2018	0.11	0.04 (J)	0.04 (J)			<0.125			<0.125
4/16/2018							0.04 (J)	<0.125	0.04 (J)
4/17/2018	0.09 (J)	0.04 (J)	<0.125	0.04 (J)					
4/19/2018					0.05 (J)	<0.125			
10/1/2018	0.12			0.05 (J)					
10/2/2018									0.04 (J)
10/3/2018						<0.125			
10/4/2018		0.05 (J)	0.05 (J)				0.04 (J)	0.04 (J)	
10/5/2018					0.05 (J)				
4/1/2019	0.0956 (J)								
4/2/2019		0.0586 (J)	0.052 (J)	0.0555 (J)		<0.125			
4/3/2019					<0.125		<0.125	<0.125	<0.125
5/7/2019									
9/16/2019							0.0538 (J)	<0.125	<0.125
9/17/2019	0.0971 (J)				0.0753 (J)	<0.125			
9/18/2019		0.0634 (J)	0.0578 (J)	0.0568 (J)					
2/17/2020								0.0546 (J)	0.051 (J)
2/18/2020						0.0506 (J)	0.0571 (J)		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-5	GN-AP-MW-13	GN-AP-MW-4	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-10
2/19/2020					0.06 (J)				
2/25/2020	0.0898 (J)								
2/26/2020		<0.125	0.0523 (J)	0.0647 (J)					
7/22/2020								<0.125	<0.125
7/23/2020									
7/27/2020					<0.125	<0.125	<0.125		
7/28/2020		<0.125	<0.125	<0.125					
7/29/2020	0.0742 (J)								
4/5/2021						0.0842 (J)	0.0733 (J)	0.0634 (J)	0.0627 (J)
4/6/2021	0.114				0.0794 (J)				
4/7/2021		0.0872 (J)	0.0705 (J)	0.0874 (J)					
4/12/2021									
4/13/2021									
9/21/2021	0.132							0.0847 (J)	0.0847 (J)
9/22/2021					0.117		0.0887 (J)		
9/27/2021		0.0862 (J)	0.0882 (J)	0.0989 (J)		0.0702 (J)			
9/28/2021									
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022									
4/27/2022									
5/2/2022	0.111 (J)				<0.125	<0.125		<0.125	<0.125
5/3/2022		<0.125	<0.125	0.0648 (J)			<0.125		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
2/19/2020								
2/25/2020								
2/26/2020		0.0804 (J)	0.0687 (J)					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		<0.125	<0.125					
7/29/2020	0.116							
4/5/2021	0.15							
4/6/2021								
4/7/2021		0.0739 (J)	0.0834 (J)					
4/12/2021				0.163	0.0651 (J)	<0.125	<0.125	
4/13/2021								<0.125
9/21/2021	0.181			0.181	0.083 (J)	0.113	0.0969 (J)	0.0656 (J)
9/22/2021								
9/27/2021		0.0914 (J)	0.1					
9/28/2021								
9/29/2021								
4/19/2022				0.107 (J)	<0.125	<0.125	<0.125	<0.125
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	0.122 (J)							
5/3/2022		<0.125	0.0819 (J)					

Prediction Limit

Constituent: pH (pH) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-3 (bg)	GN-AP-MW-15R	GN-AP-MW-2 (bg)	GN-AP-MW-19	GN-AP-MW-17	GN-AP-MW-8	GN-AP-MW-20	GN-AP-MW-16
2/18/2020					7.64				
2/19/2020	7.52	7.8							
2/25/2020			7.64				7.39	7.9	8.38
2/26/2020						9.61			
7/22/2020								7.84	
7/23/2020	7.44								
7/27/2020		7.69			7.56				
7/28/2020			7.5						8.02
7/29/2020						9.38	7.39		
4/5/2021		7.67			7.66				7.76
4/6/2021	7.51		7.64			9.59	7.23		
4/7/2021									
4/12/2021								7.96	
4/13/2021									
9/21/2021							7.3		
9/22/2021	7.5				7.86				
9/27/2021		7.81							
9/28/2021			7.63					7.76	8.2
9/29/2021						9.33			
4/19/2022					7.63				
4/20/2022						9.25		7.83	
4/26/2022									
4/27/2022	7.07								8.17
5/2/2022			7.49				7.44		
5/3/2022		7.72							

Prediction Limit

Constituent: pH (pH) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-18	GN-AP-MW-13	GN-AP-MW-7	GN-AP-MW-12	GN-AP-MW-6	GN-AP-MW-5	GN-AP-MW-11	GN-AP-MW-10	GN-AP-MW-4
3/28/2016									
3/29/2016	6.95								
3/30/2016		7.27	7.45	7.39	7.95	7.61	7.63	7.45	7.31
4/4/2016									
5/17/2016	6.87							7.68	7.35
5/18/2016		7.37		7.34			7.64		
5/19/2016			7.5		7.88				
5/23/2016						7.68			
7/11/2016									7.43
7/12/2016									
7/13/2016			7.58	7.52	8.07		7.84	7.71	
7/14/2016		7.51				7.79			
7/18/2016	6.85								
8/22/2016									
9/12/2016		7.39		7.39					
9/13/2016			7.53		8.04	7.69	7.69	7.53	
9/14/2016	6.9								7.26
11/14/2016	6.89	7.37		7.42			7.7		
11/15/2016			7.48		7.93	7.72		7.53	
11/16/2016									7.19
1/3/2017									
2/27/2017									
2/28/2017	6.83	7.32		7.46			7.79	7.58	7.23
3/1/2017			7.46		7.89	7.55			
5/22/2017							7.72	7.51	
5/23/2017			7.51		7.96	7.64			
5/24/2017	6.87	7.44		7.39					7.26
6/19/2017	6.89						7.73	7.53	
6/20/2017			7.52		7.87	7.5			
6/21/2017		7.39		7.36					7.26
8/14/2017	6.89	7.39		7.36			7.67	7.52	
8/15/2017			7.43		7.86	7.46			7.29
8/16/2017									
1/9/2018	6.95	7.5		7.45		7.71	7.82		
1/10/2018			7.57		7.98			7.64	7.17
4/16/2018				7.36			7.71	7.54	
4/17/2018			7.5		7.82	7.29			
4/19/2018	6.89	7.38							7.27
10/1/2018	6.89					7.68			
10/2/2018								7.54	
10/3/2018									7.09
10/4/2018			7.49	7.37	7.87		7.71		
10/5/2018		7.25							
4/1/2019									
4/2/2019			7.24		7.73	7.47			7.34
4/3/2019	6.9	7.41		7.37			7.75	7.6	
5/7/2019									
9/16/2019				7.44			7.71	7.6	
9/17/2019		7.45							7.65
9/18/2019	6.86		7.52		7.85	7.53			
10/8/2019							7.74	7.59	
2/17/2020							7.74	7.61	

Prediction Limit

Constituent: pH (pH) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-18	GN-AP-MW-13	GN-AP-MW-7	GN-AP-MW-12	GN-AP-MW-6	GN-AP-MW-5	GN-AP-MW-11	GN-AP-MW-10	GN-AP-MW-4
2/18/2020				7.42					7.34
2/19/2020		7.42							
2/25/2020	6.89								
2/26/2020			7.51		7.8	7.47			
7/22/2020	6.54						7.76	7.64	
7/23/2020									
7/27/2020		7.48		7.47					7.3
7/28/2020			7.32		7.62	7.7			
7/29/2020									
4/5/2021				6.88			7.63	6.93	7.33
4/6/2021	6.67	7.5							
4/7/2021			7.51		7.02	7.47			
4/12/2021									
4/13/2021									
9/21/2021							7.64	7.02	
9/22/2021		7.59		7.48					
9/27/2021			7.74		7.92	7.55			7.37
9/28/2021	6.48								
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022	6.77								
4/27/2022									
5/2/2022		7.46					7.16	7.12	6.68
5/3/2022			7.53	7.39	7.63	7.01			

Prediction Limit

Constituent: pH (pH) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-38 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-39 (bg)	GN-AP-MW-42 (bg)
3/28/2016								
3/29/2016								
3/30/2016								
4/4/2016	7.32							
5/17/2016								
5/18/2016								
5/19/2016								
5/23/2016	7.66							
7/11/2016								
7/12/2016	7.77							
7/13/2016		7.83						
7/14/2016			7.74					
7/18/2016								
8/22/2016		7.86	7.55					
9/12/2016								
9/13/2016	7.7	7.75	7.63					
9/14/2016								
11/14/2016								
11/15/2016	7.69	7.66	7.74					
11/16/2016								
1/3/2017		7.57	7.69					
2/27/2017								
2/28/2017	7.66							
3/1/2017		7.53	7.47					
5/22/2017								
5/23/2017		7.78	7.5					
5/24/2017	7.64							
6/19/2017								
6/20/2017	7.62	7.82	7.37					
6/21/2017								
8/14/2017								
8/15/2017		7.73	7.26					
8/16/2017	7.51							
1/9/2018			7.49					
1/10/2018	7.72	7.67						
4/16/2018								
4/17/2018	7.57	7.66	7.33					
4/19/2018								
10/1/2018	7.59							
10/2/2018								
10/3/2018								
10/4/2018		7.51	7.47					
10/5/2018								
4/1/2019	7.64							
4/2/2019		7.67	7.33					
4/3/2019								
5/7/2019								
9/16/2019								
9/17/2019	8.07							
9/18/2019		7.15	7.21					
10/8/2019								
2/17/2020	7.75							

Prediction Limit

Constituent: pH (pH) Analysis Run 7/1/2022 11:00 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-38 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-39 (bg)	GN-AP-MW-42 (bg)
2/18/2020								
2/19/2020								
2/25/2020								
2/26/2020		7.43	7.33					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		7.58	7.43					
7/29/2020	7.66							
4/5/2021	7.8							
4/6/2021								
4/7/2021		7.24	6.7					
4/12/2021				7.99	7.18	7.77	7.09	
4/13/2021								6.14
9/21/2021	7.72			7.85	7.3	7.12	7.3	6.07
9/22/2021								
9/27/2021		7.64	7.23					
9/28/2021								
9/29/2021								
4/19/2022				7.91	6.8	7.68	6.85	6.31
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	7.7							
5/3/2022		7.48	7.21					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 7/1/2022 11:00 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-14	GN-AP-MW-19	GN-AP-MW-15R	GN-AP-MW-20	GN-AP-MW-18	GN-AP-MW-17	GN-AP-MW-16
3/28/2016	7.57	2.09	66.6	16.8	147				
3/29/2016						556	163	254	146
3/30/2016									
4/4/2016									
5/17/2016	5.12		63.9				159	251	140
5/18/2016		1.92		14.9		559			
5/19/2016					224				
5/23/2016									
7/11/2016	4.63	3.41	57.6		133				
7/12/2016									
7/13/2016				24.2		560			
7/14/2016								246	135
7/18/2016							154		
8/22/2016					134				
9/12/2016									
9/13/2016			82.8	16.8				238	129
9/14/2016	3.19	4.94			130	553	143		
11/14/2016						551	151		131
11/15/2016			118		132				
11/16/2016	3.71	10.5		21.7				234	
1/3/2017					143				
2/27/2017			62 (J)	23	130				
2/28/2017						560	140	240	130
3/1/2017	3.4 (J)	5.1							
5/22/2017				26	120				
5/23/2017	2 (J)	2.3 (J)							
5/24/2017			56			530	150	230	130
6/19/2017	2.5 (J)	2.1 (J)				510	140	200	110
6/20/2017					120				
6/21/2017			75	20					
8/14/2017				22	140	540	150	250	140
8/15/2017	2.4 (J)	1.7 (J)	67						
8/16/2017									
4/16/2018									
4/17/2018									
4/19/2018	1.9 (J)	<2	53	24	150	520	140	250	130
10/1/2018						590	140	280	80
10/2/2018				24					
10/3/2018	2.7 (J)	1.7 (J)							
10/4/2018									
10/5/2018			160		260				
4/1/2019		1.87		24.4					
4/2/2019	3.24								
4/3/2019			75.2		339	577	168	346	161
5/7/2019					351				
9/16/2019									147
9/17/2019	4.51		131					322	
9/18/2019		2.39		23.6	283	526	173		
2/17/2020									
2/18/2020				25.6					
2/19/2020	3.73		110						
2/25/2020					326	674	210		161

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 7/1/2022 11:01 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-7	GN-AP-MW-6	GN-AP-MW-5	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-4
2/26/2020				207	178	39.8			
7/22/2020		3.65						45.3	
7/23/2020									
7/27/2020			<2				108		21.7
7/28/2020				160	189	152			
7/29/2020	3.25								
4/5/2021		11.4					96.8	50.1	15.6
4/6/2021	3.29		<2						
4/7/2021				164	151	38.7			
4/12/2021									
4/13/2021									
9/21/2021	1.95	5.56						55.4	
9/22/2021			0.521 (J)				131		
9/27/2021				143	156	33.5			14.3
9/28/2021									
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022									
4/27/2022									
5/2/2022	3.02	4.75	<2					58.3	11.1
5/3/2022				107	115	34	97		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 7/1/2022 11:01 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-42 (bg)
2/26/2020		199	196					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		177	175					
7/29/2020	14.7							
4/5/2021	15.1							
4/6/2021								
4/7/2021		145	124					
4/12/2021				12.6	14.6	2.99	7.23	
4/13/2021								4.92
9/21/2021	18.4			5.49	14.5	1.44	1.31	3.27
9/22/2021								
9/27/2021		162	122					
9/28/2021								
9/29/2021								
4/19/2022				2.72	11.4	1.37 (J)	0.934 (J)	2.25
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	17.9							
5/3/2022		131	74.2					

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 7/1/2022 11:01 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-3 (bg)	GN-AP-MW-15R	GN-AP-MW-2 (bg)	GN-AP-MW-19	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-20	GN-AP-MW-17
3/28/2016	308	147	426	138	213				
3/29/2016						290	277	862	451
3/30/2016									
4/4/2016									
5/17/2016	314	140					261		432
5/18/2016				156	206			882	
5/19/2016			496						
5/23/2016						312			
7/11/2016	319	146	359	167					
7/12/2016						292			
7/13/2016					225			874	
7/14/2016							255		434
7/18/2016									
8/22/2016			349						
9/12/2016									
9/13/2016	354				212	276	264		432
9/14/2016		141	340	166				908	
11/14/2016							249	804	
11/15/2016	452		324			262			
11/16/2016		157		192	224				412
1/3/2017			348						
2/27/2017	339		347		223				
2/28/2017						290	251	930	434
3/1/2017		148		186					
5/22/2017			348		219				
5/23/2017		141		158					
5/24/2017	316					296	257	886	425
6/19/2017		126		156			258	924	424
6/20/2017			343			273			
6/21/2017	376				164				
8/14/2017			332		232		263	872	428
8/15/2017	340	146		168		279			
8/16/2017									
4/16/2018									
4/17/2018						250			
4/19/2018	304	143	369	154	218		247	880	455
10/1/2018						246	252	866	492
10/2/2018					212				
10/3/2018		148		156					
10/4/2018									
10/5/2018	544		762						
4/1/2019				160	225	268			
4/2/2019		140							
4/3/2019	336		810				273	910	536
5/7/2019			810						
9/16/2019							293		
9/17/2019	439	145				257			592
9/18/2019			704	154	222			908	
10/8/2019									
2/17/2020									
2/18/2020					215				
2/19/2020	363	149							

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 7/1/2022 11:01 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-3 (bg)	GN-AP-MW-15R	GN-AP-MW-2 (bg)	GN-AP-MW-19	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-20	GN-AP-MW-17
2/25/2020			674			252	284	930	
2/26/2020									561
7/22/2020								934	
7/23/2020	399								
7/27/2020		154			223				
7/28/2020			606				284		
7/29/2020						253			566
4/5/2021		136			220		333		
4/6/2021	342		590			256			772
4/7/2021									
4/12/2021								926	
4/13/2021									
9/21/2021						256			
9/22/2021	394				218				
9/27/2021		132							
9/28/2021			566				354	922	
9/29/2021									842
4/19/2022					225				
4/20/2022								946	967
4/26/2022									
4/27/2022	417						369		
5/2/2022			574			237			
5/3/2022		141							

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 7/1/2022 11:01 AM View: Appendix III

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-18	GN-AP-MW-10	GN-AP-MW-7	GN-AP-MW-12	GN-AP-MW-6	GN-AP-MW-5	GN-AP-MW-11	GN-AP-MW-13	GN-AP-MW-4
2/25/2020	578								
2/26/2020			490		455	228			
7/22/2020	594	175					216		
7/23/2020									
7/27/2020				378				202	284
7/28/2020			434		485	406			
7/29/2020									
4/5/2021		184		372			217		248
4/6/2021	596							193	
4/7/2021			436		436	256			
4/12/2021									
4/13/2021									
9/21/2021		174					217		
9/22/2021				375				210	
9/27/2021			379		415	240			237
9/28/2021	608								
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022	596								
4/27/2022									
5/2/2022		173					234	201	248
5/3/2022			329	371	376	239			

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 7/1/2022 11:01 AM View: Appendix III
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-39 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
2/25/2020								
2/26/2020		490	497					
7/22/2020								
7/23/2020								
7/27/2020								
7/28/2020		476	500					
7/29/2020	215							
4/5/2021	211							
4/6/2021								
4/7/2021		432	409					
4/12/2021				146	126	118	129	
4/13/2021								77.3
9/21/2021	205			139	148	111	115	83.3
9/22/2021								
9/27/2021		443	402					
9/28/2021								
9/29/2021								
4/19/2022				144	138	107	122	67.3
4/20/2022								
4/26/2022								
4/27/2022								
5/2/2022	209							
5/3/2022		388	308					

FIGURE E.

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:07 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03294	116	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03298	132	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.374	131	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1526	92	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-11	1.183	70	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.215	73	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	2.765	87	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	18.02	100	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.166	84	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-11	0.1678	80	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	11.22	139	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.1	126	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	7.583	123	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.373	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5325	81	68	Yes	18	5.556	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.6244	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.5047	87	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-11	4.209	123	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.71	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.34	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.138	77	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-19.72	-83	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	2.025	95	68	Yes	18	5.556	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-11	6.591	110	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	5.765	79	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	10.66	74	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	47.95	97	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.95	71	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-8.526	-89	-68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	6.342	95	68	Yes	18	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:07 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03294	116	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03298	132	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.374	131	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-16	0.02049	56	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-17	0.07864	39	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-18	0.03097	47	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-2 (bg)	0	0	43	No	13	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1526	92	68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-21	0.04042	17	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-22	0.01828	5	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-3 (bg)	0	0	68	No	18	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-4	-0.02648	-37	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-5	-0.1273	-37	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-6	-0.01839	-11	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-7	0.02205	10	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-39 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-40 (bg)	0.06603	NaN	NaN	No	3	66.67	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-41 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-38 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Boron (mg/L)	GN-AP-MW-42 (bg)	0	NaN	NaN	No	3	100	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-11	1.183	70	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.215	73	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-13	-0.02476	-3	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-14	-0.05967	-2	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-15R	8.384	72	87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	2.765	87	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	18.02	100	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.166	84	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-19	0	0	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-2 (bg)	0.6928	22	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-20	2.777	44	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-21	3.304	37	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-22	5.877	56	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-3 (bg)	0.1279	20	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-4	0.1095	13	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-5	-1.093	-14	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-6	3.052	43	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-7	-0.1534	-1	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-8	-0.37	-31	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-39 (bg)	1.374	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-40 (bg)	-1.276	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-41 (bg)	2.747	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-38 (bg)	0.09812	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Calcium (mg/L)	GN-AP-MW-42 (bg)	-0.6887	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-11	0.1678	80	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-12	-0.1137	-35	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	11.22	139	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.1	126	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	7.583	123	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.373	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5325	81	68	Yes	18	5.556	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-2 (bg)	-0.1215	-9	-43	No	13	7.692	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.6244	105	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-21	1.94	29	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-22	2.83	36	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-3 (bg)	-0.04472	-48	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-4	-1.583	-38	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-5	-0.5341	-6	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-6	6.636	63	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-7	1.195	41	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.5047	87	68	Yes	18	0	n/a	n/a	0.01	NP

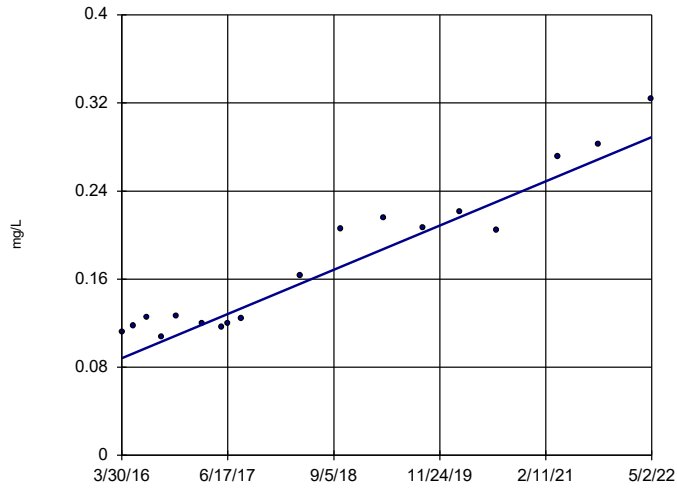
Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/1/2022, 11:07 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GN-AP-MW-39 (bg)	-0.677	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-40 (bg)	-2.06	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-41 (bg)	-0.3336	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-38 (bg)	-0.628	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/L)	GN-AP-MW-42 (bg)	-0.3739	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-16	-0.01162	-27	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-17	-0.04756	-63	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-2 (bg)	-0.02103	-11	-48	No	14	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-3 (bg)	-0.005505	-20	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-39 (bg)	-0.2355	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-40 (bg)	-0.08831	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-41 (bg)	-0.3728	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-38 (bg)	-0.07849	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
pH (pH)	GN-AP-MW-42 (bg)	0.1673	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-11	4.209	123	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.71	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-14	7.41	54	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-15R	20.75	71	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-16	7.184	58	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.34	84	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-18	8.33	56	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.138	77	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-2 (bg)	-0.2042	-15	-43	No	13	7.692	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-20	3.891	24	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-21	4.451	27	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-22	-8.859	-38	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-3 (bg)	-0.2837	-43	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-19.72	-83	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-6	-2.368	-42	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-7	-5.964	-42	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	2.025	95	68	Yes	18	5.556	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-39 (bg)	-3.14	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-40 (bg)	-6.178	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-41 (bg)	-1.59	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-38 (bg)	-9.694	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/L)	GN-AP-MW-42 (bg)	-2.627	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-11	6.591	110	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	5.765	79	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-13	-0.5668	-20	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-14	13.15	57	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-15R	40.58	54	87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	10.66	74	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	47.95	97	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-18	10.59	68	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-19	0.9107	21	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-2 (bg)	-1.254	-10	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.95	71	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-21	5.132	15	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-22	4.465	12	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-3 (bg)	-0.5376	-15	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-4	-12.03	-56	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-5	-13.49	-37	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-6	8.707	39	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-7	0	-1	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-8.526	-89	-68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	6.342	95	68	Yes	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-39 (bg)	-1.962	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-40 (bg)	-10.79	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-41 (bg)	11.77	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-38 (bg)	-6.868	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
TDS (mg/L)	GN-AP-MW-42 (bg)	-9.838	NaN	NaN	No	3	0	n/a	n/a	NaN	NP

Sen's Slope Estimator

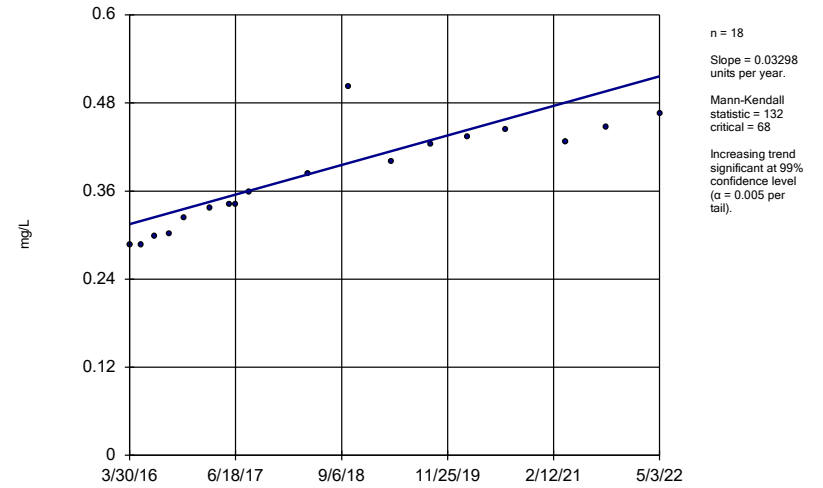
GN-AP-MW-11



Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

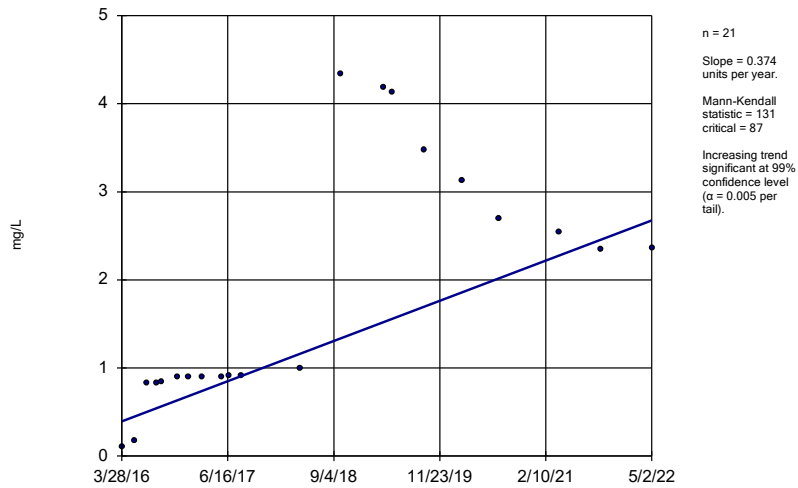
GN-AP-MW-12



Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

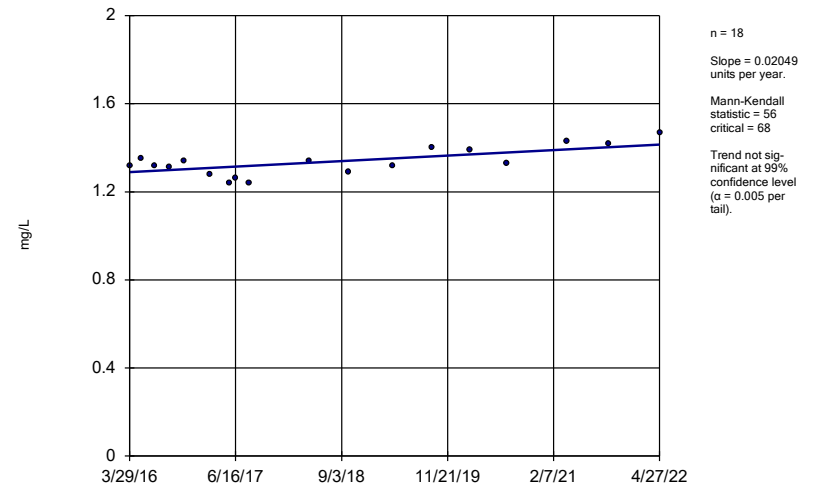
GN-AP-MW-15R



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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

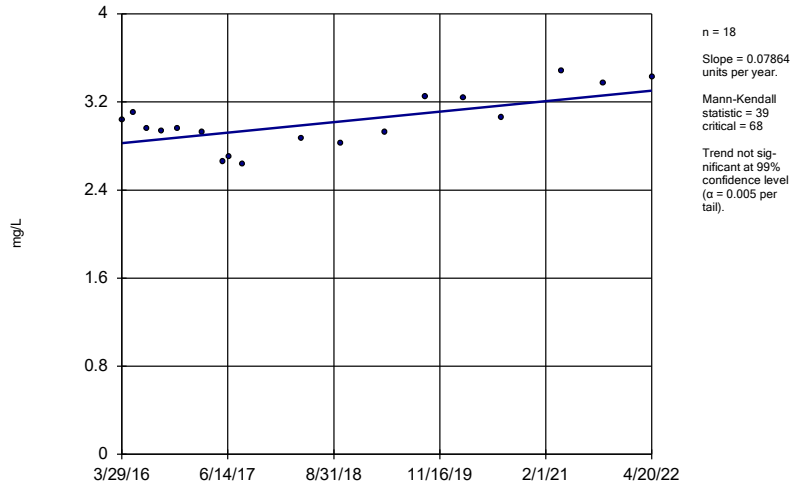
GN-AP-MW-16



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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

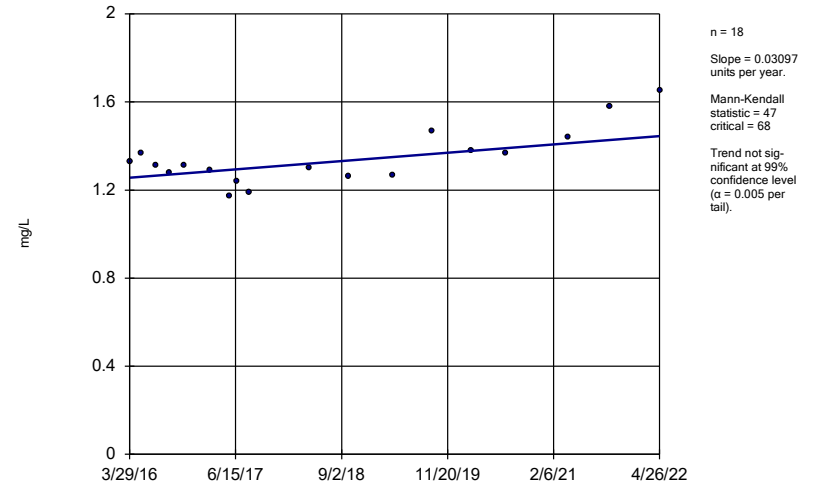
GN-AP-MW-17



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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

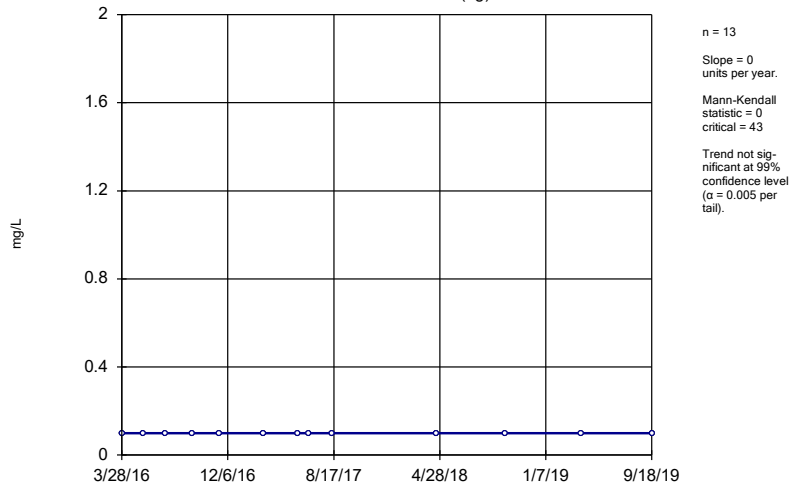
GN-AP-MW-18



Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

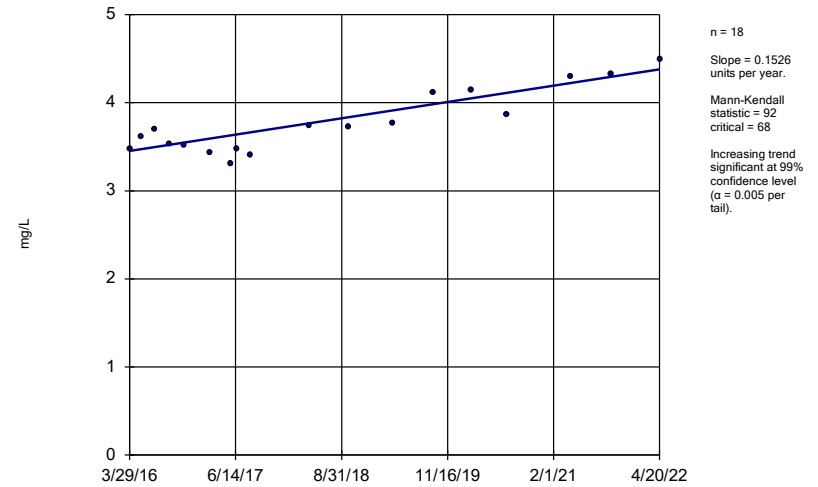
GN-AP-MW-2 (bg)



Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

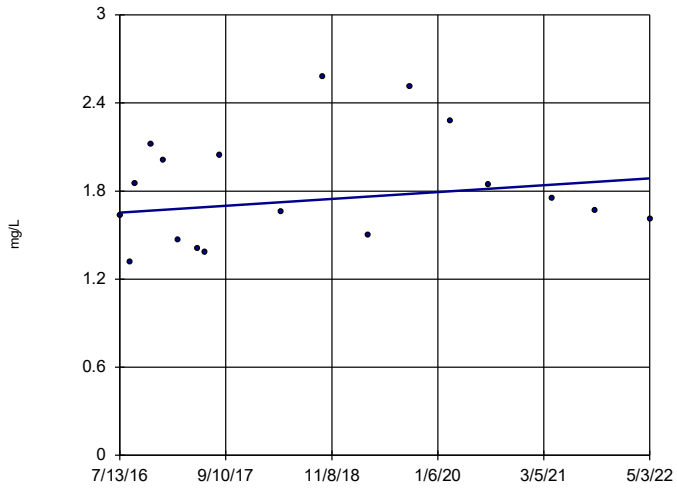
GN-AP-MW-20



Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-21

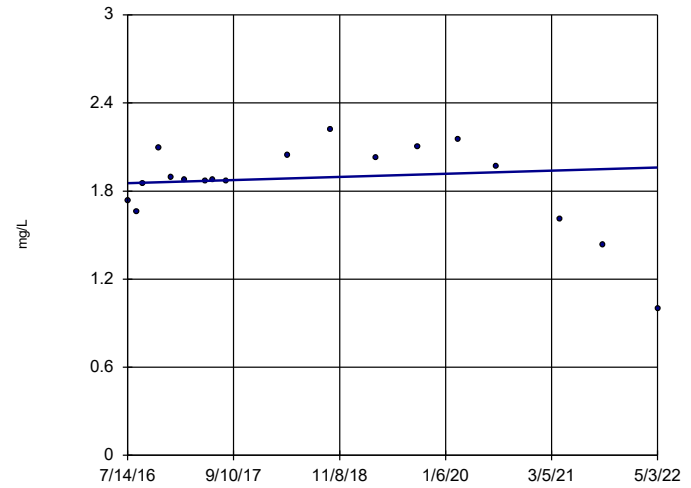


n = 18
 Slope = 0.04042
 units per year.
 Mann-Kendall
 statistic = 17
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-22

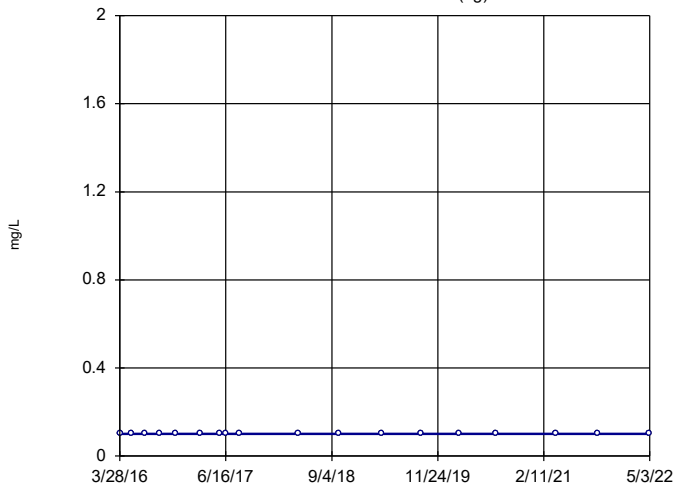


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 Slope = 0.01828
 units per year.
 Mann-Kendall
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 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-3 (bg)

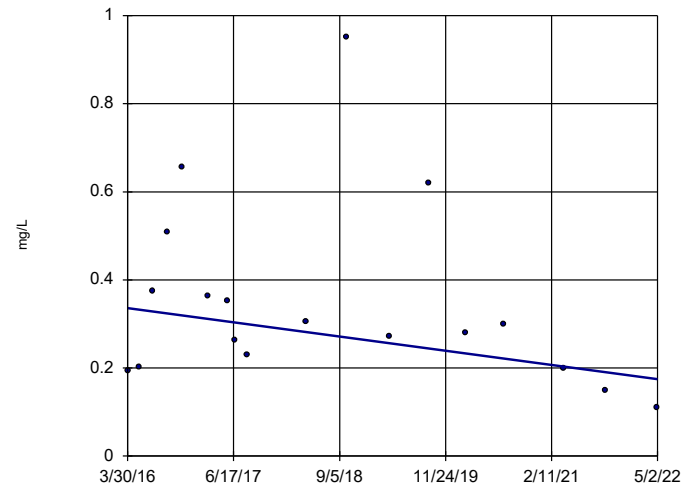


n = 18
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 0
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 7/1/2022 11:04 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-4

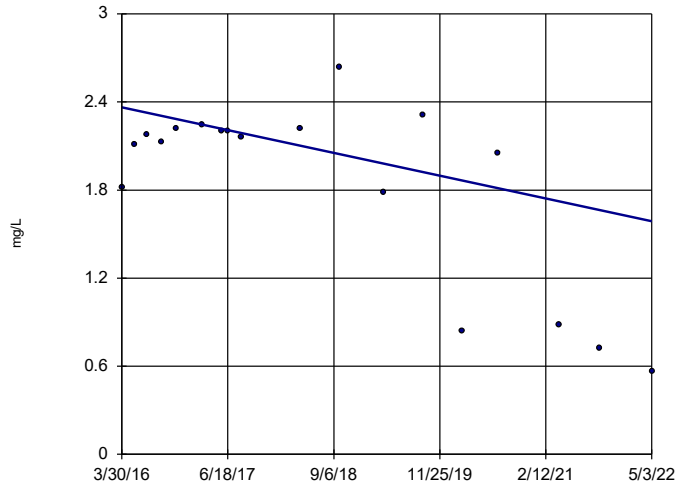


n = 18
 Slope = -0.02648
 units per year.
 Mann-Kendall
 statistic = -37
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-5

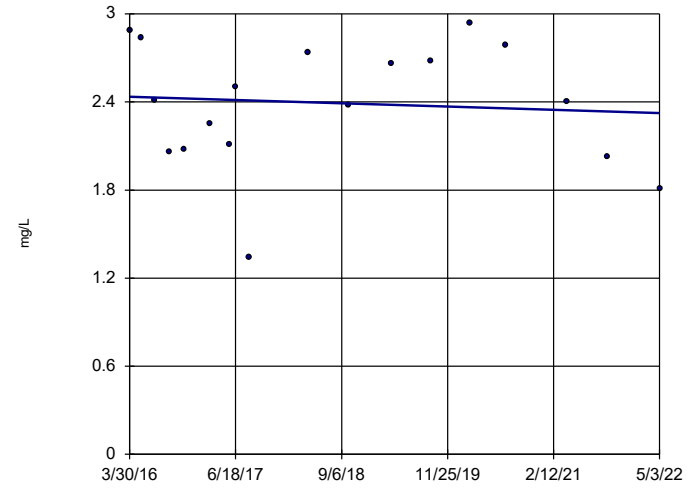


n = 18
 Slope = -0.1273 units per year.
 Mann-Kendall statistic = -37
 critical = -68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-6

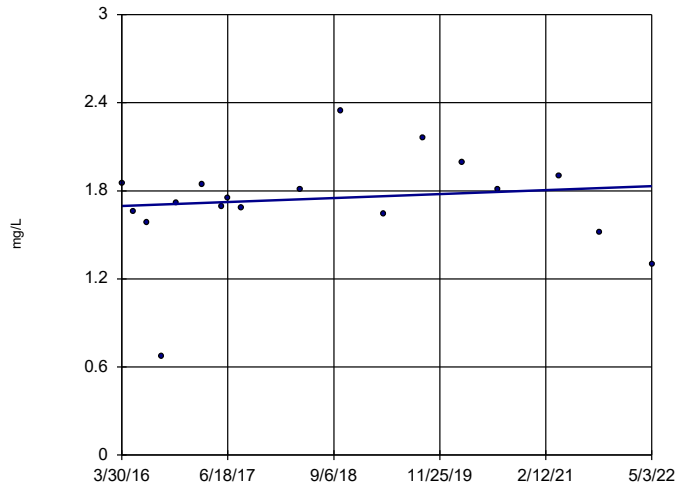


n = 18
 Slope = -0.01839 units per year.
 Mann-Kendall statistic = -11
 critical = -68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-7

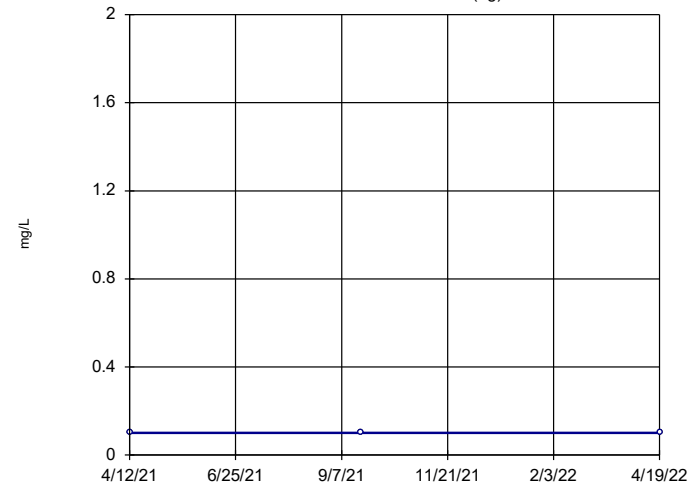


n = 18
 Slope = 0.02205 units per year.
 Mann-Kendall statistic = 10
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

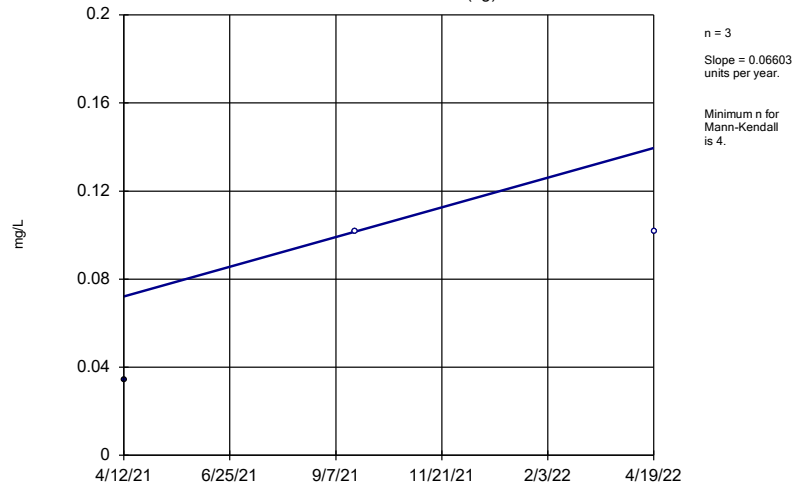
GN-AP-MW-39 (bg)



n = 3
 Slope = 0 units per year.
 Minimum n for Mann-Kendall is 4.

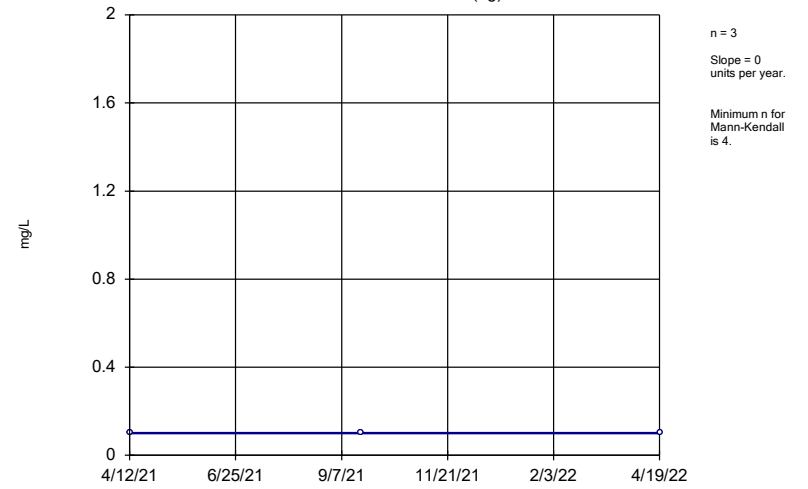
Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-40 (bg)



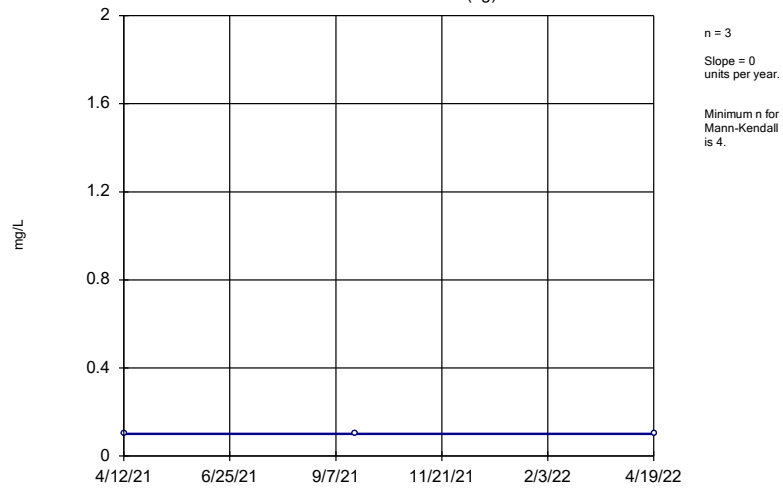
Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-41 (bg)



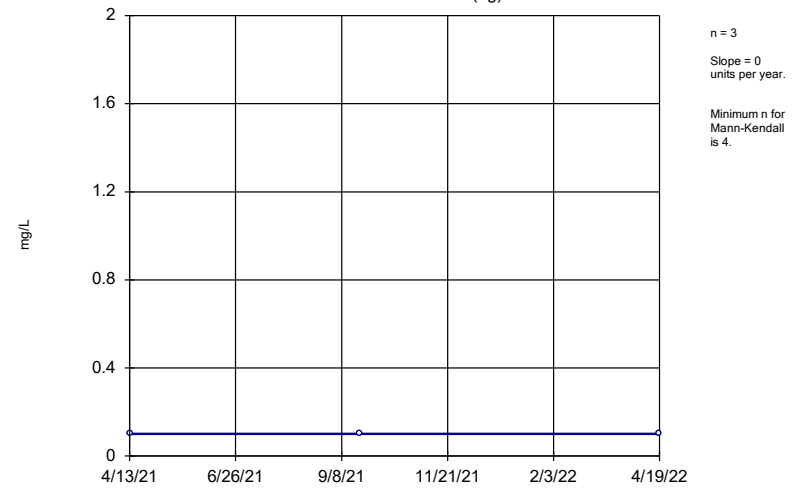
Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-38 (bg)



Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

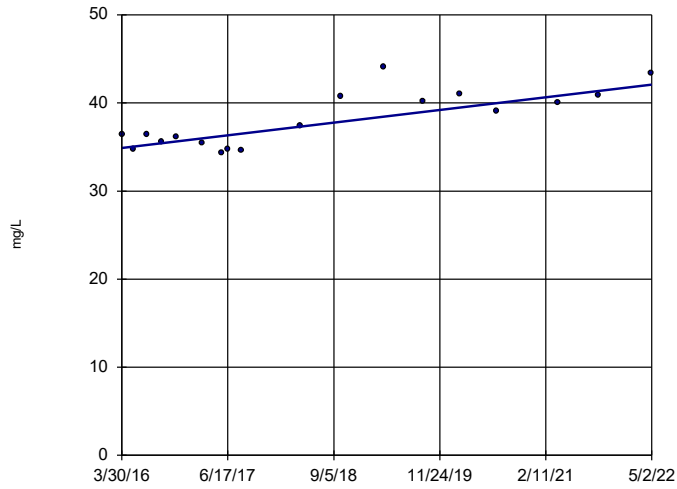
Sen's Slope Estimator
GN-AP-MW-42 (bg)



Constituent: Boron Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

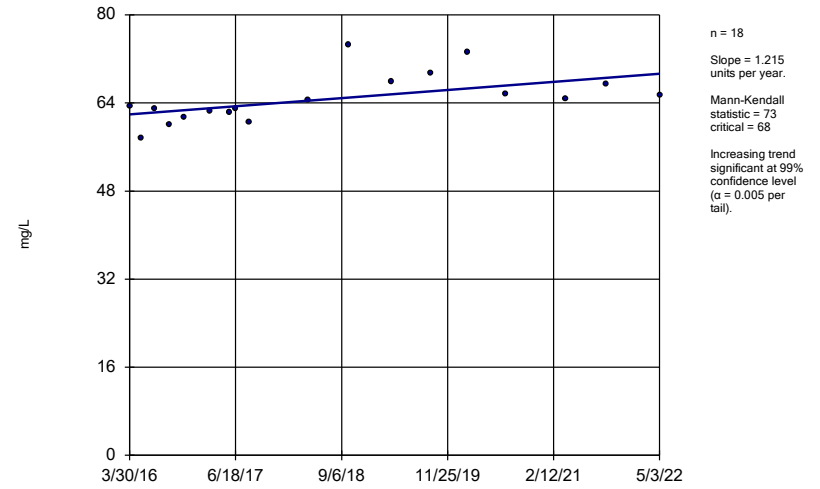
GN-AP-MW-11



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

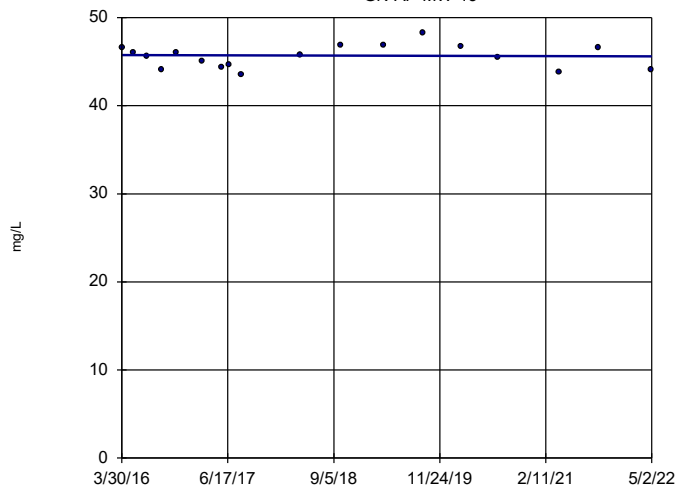
GN-AP-MW-12



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

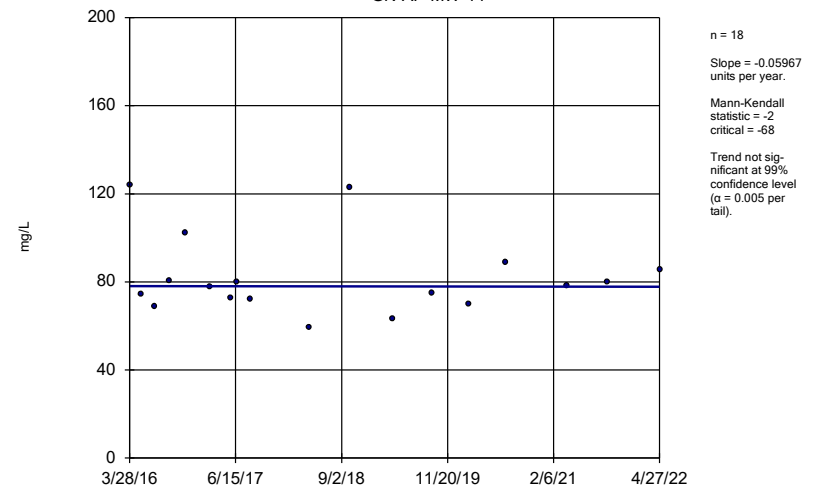
GN-AP-MW-13



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

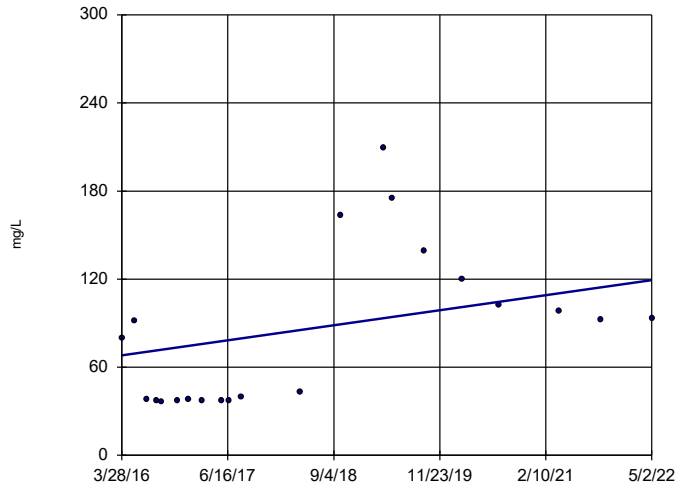
GN-AP-MW-14



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-15R

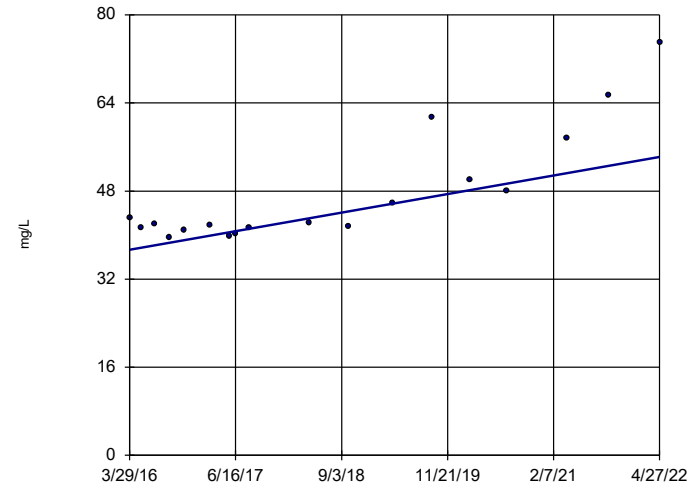


n = 21
 Slope = 8.384
 units per year.
 Mann-Kendall
 statistic = 72
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-16

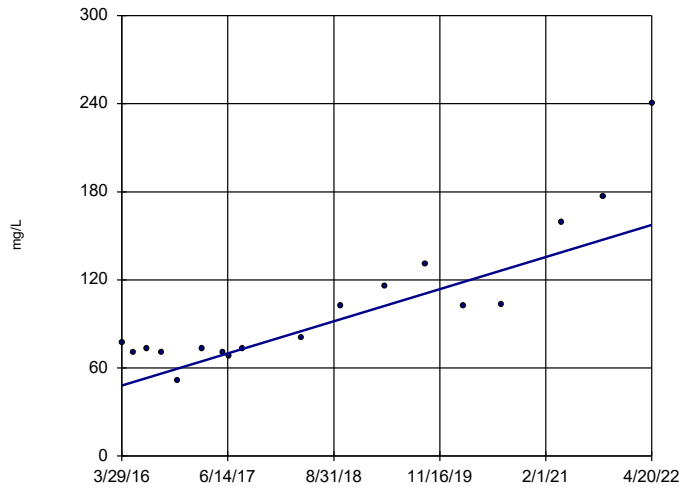


n = 18
 Slope = 2.765
 units per year.
 Mann-Kendall
 statistic = 87
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-17

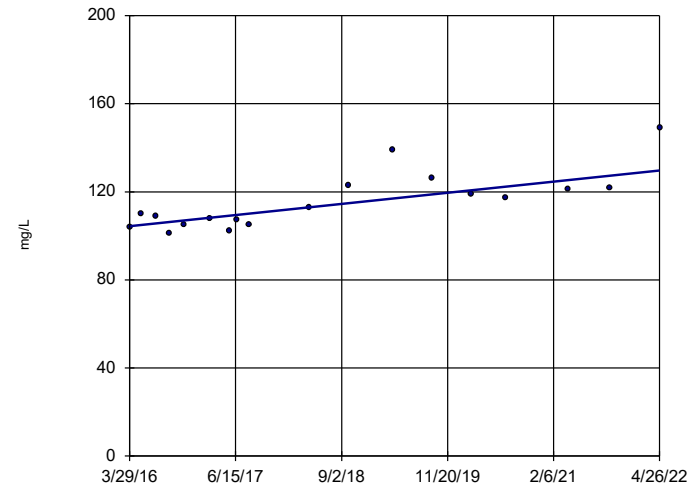


n = 18
 Slope = 18.02
 units per year.
 Mann-Kendall
 statistic = 100
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-18

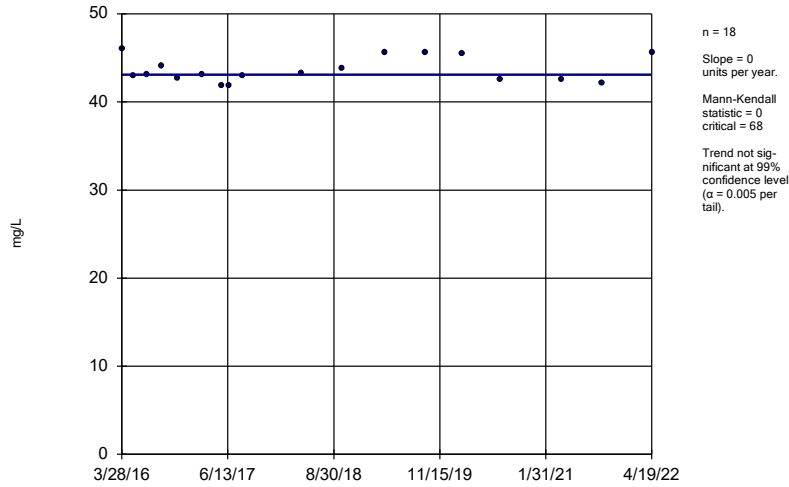


n = 18
 Slope = 4.166
 units per year.
 Mann-Kendall
 statistic = 84
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

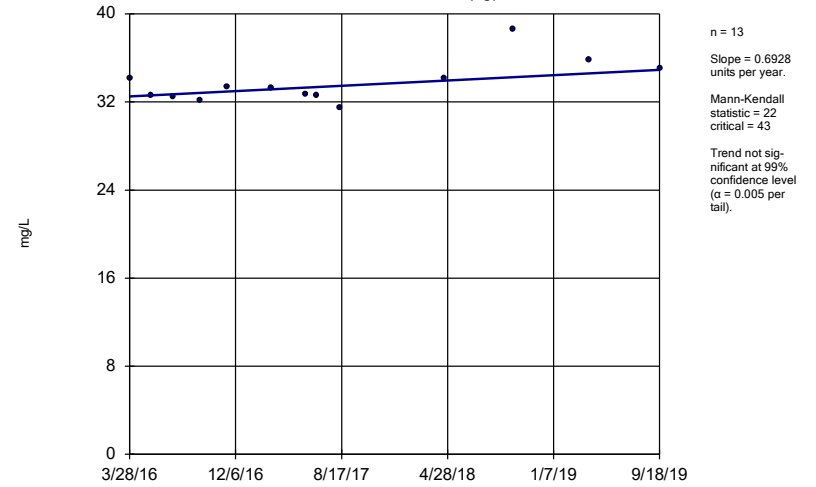
GN-AP-MW-19



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

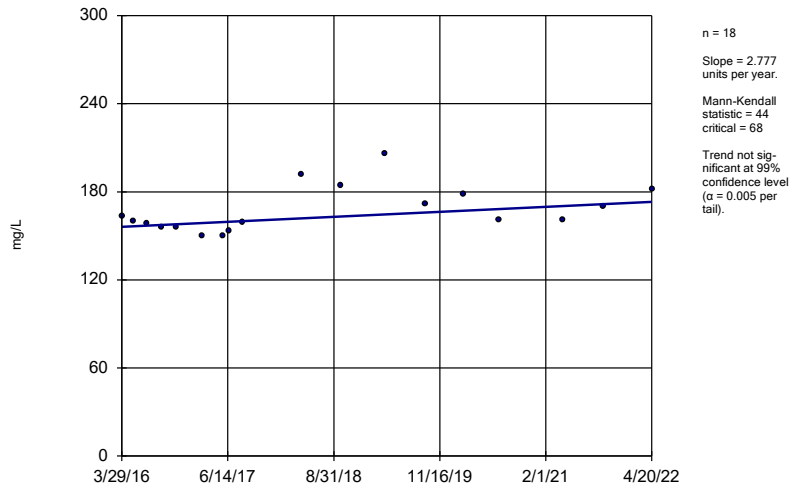
GN-AP-MW-2 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

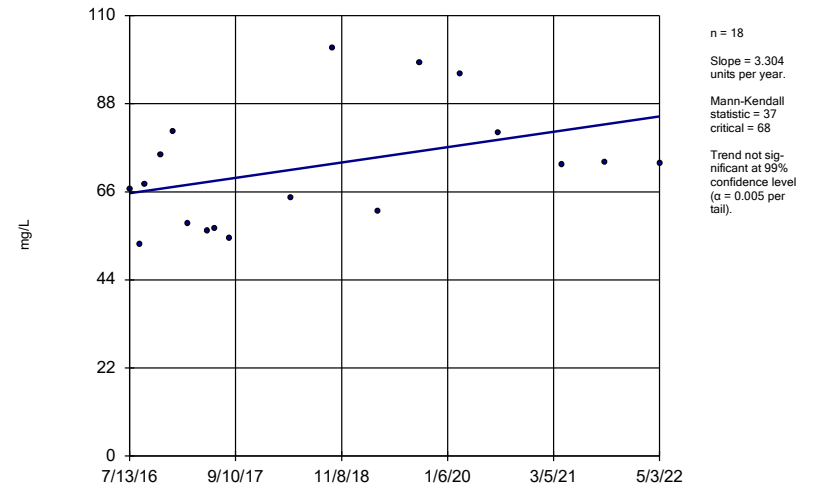
GN-AP-MW-20



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

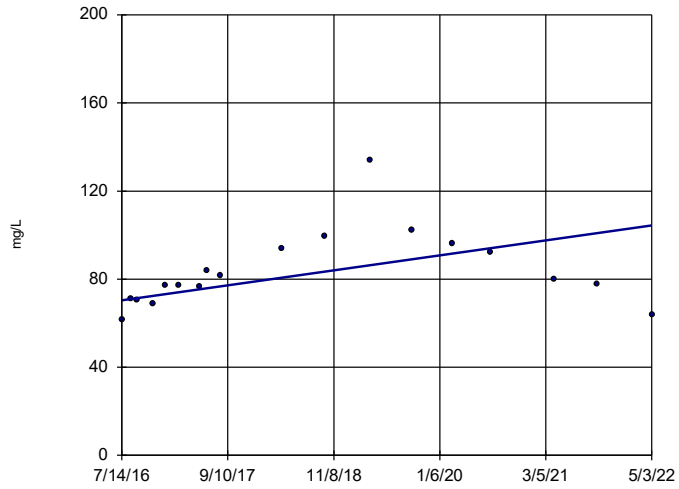
GN-AP-MW-21



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

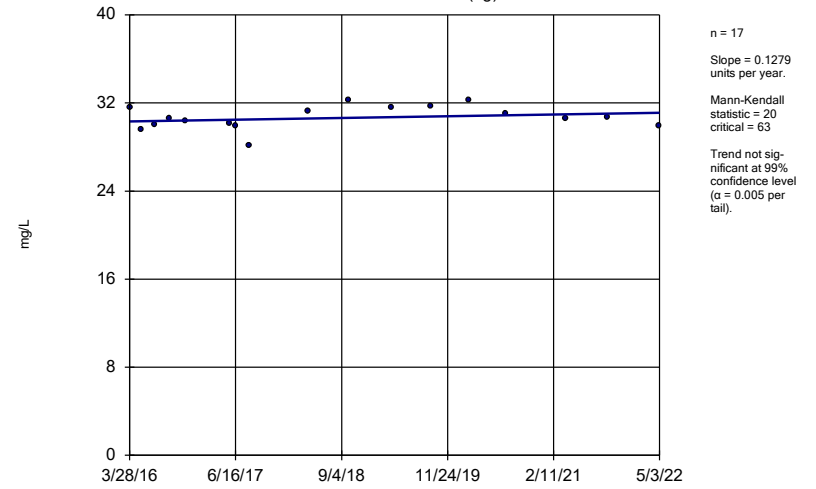
GN-AP-MW-22



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

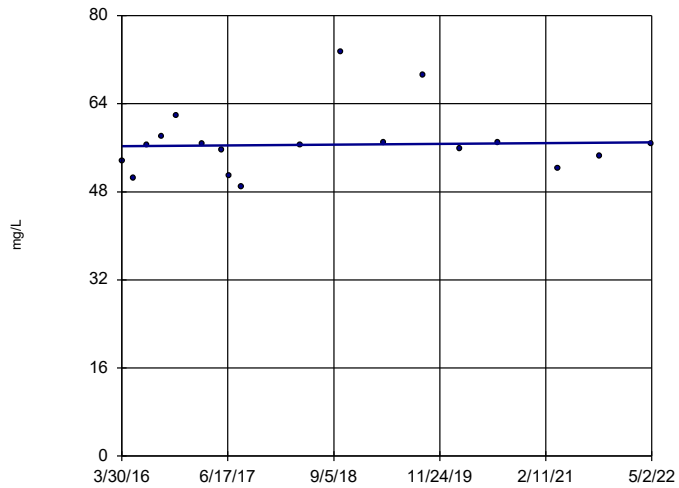
GN-AP-MW-3 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

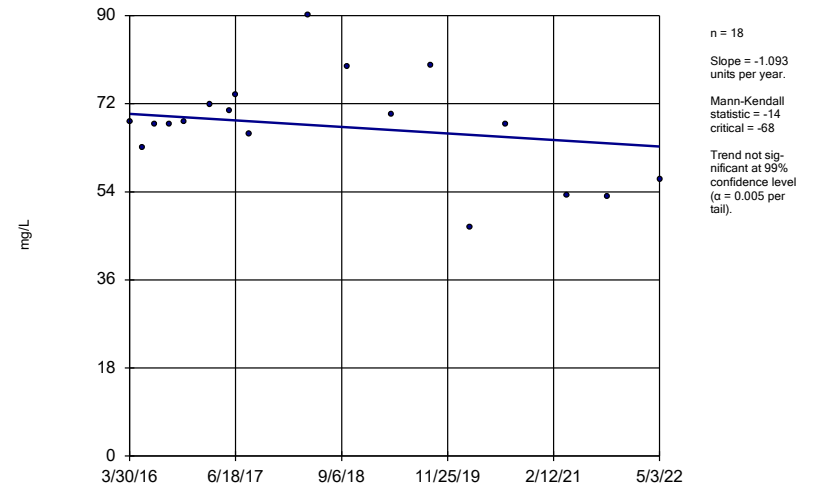
GN-AP-MW-4



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

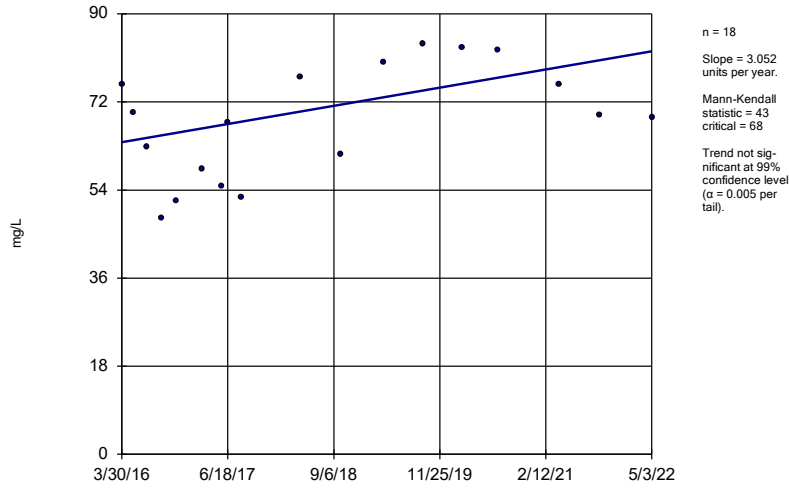
GN-AP-MW-5



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

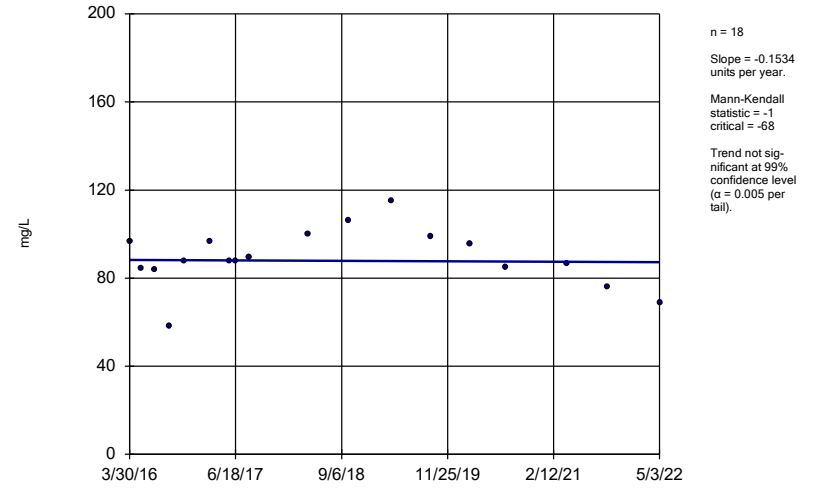
GN-AP-MW-6



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

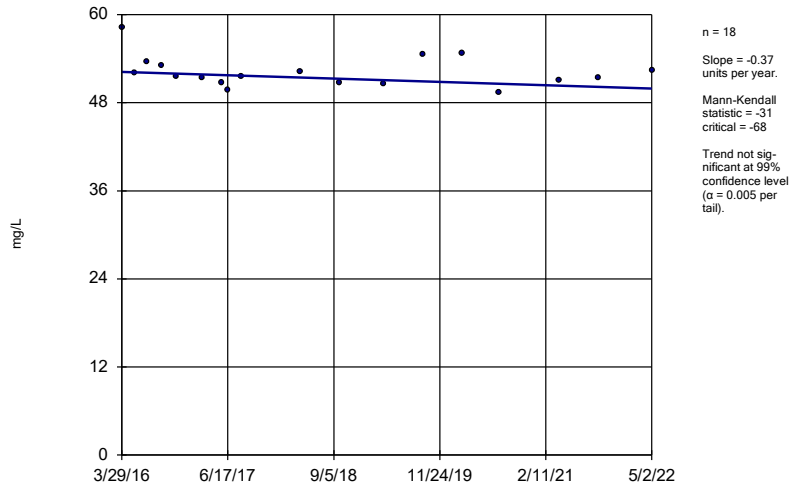
GN-AP-MW-7



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

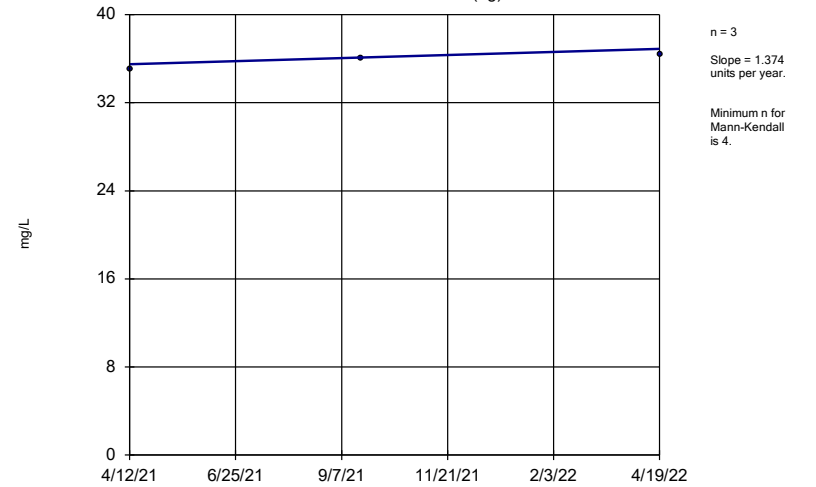
GN-AP-MW-8



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

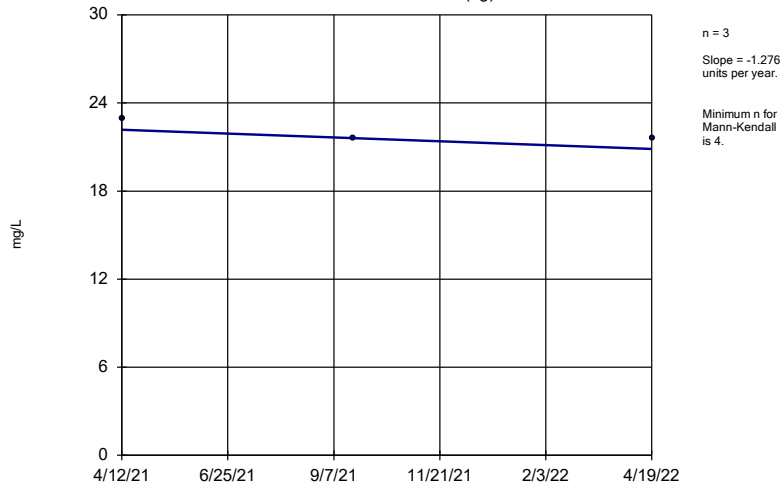
GN-AP-MW-39 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

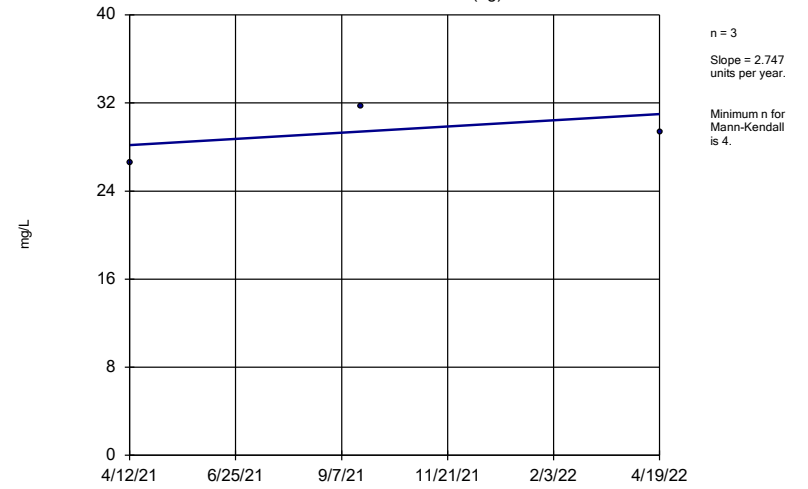
GN-AP-MW-40 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

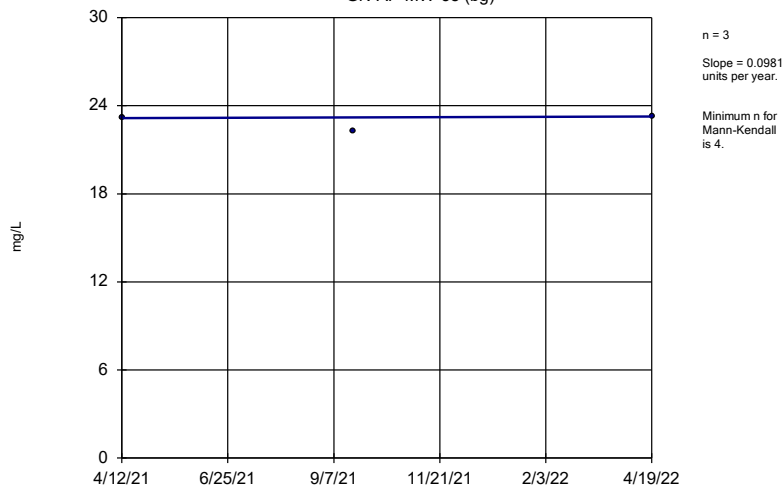
GN-AP-MW-41 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

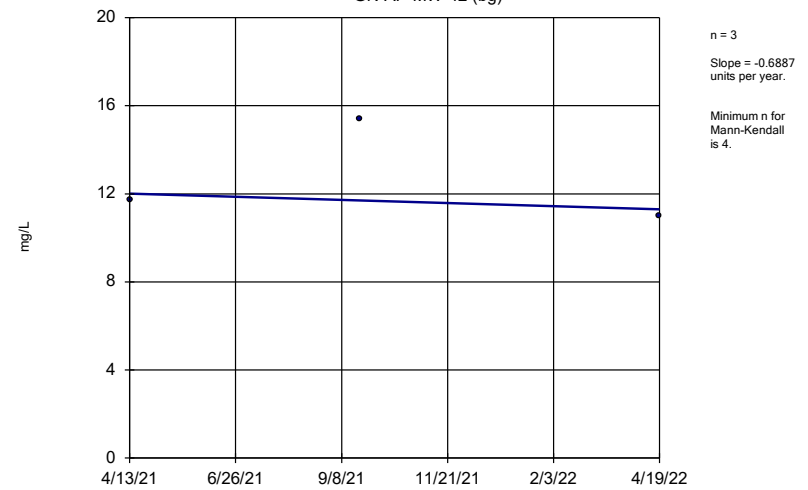
GN-AP-MW-38 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

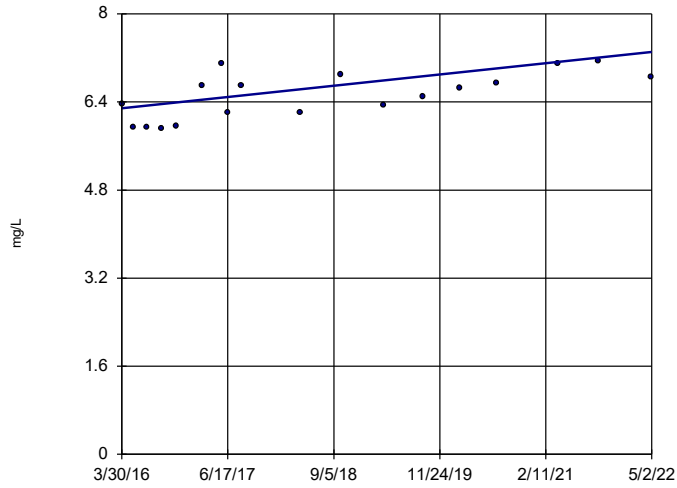
GN-AP-MW-42 (bg)



Constituent: Calcium Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-11

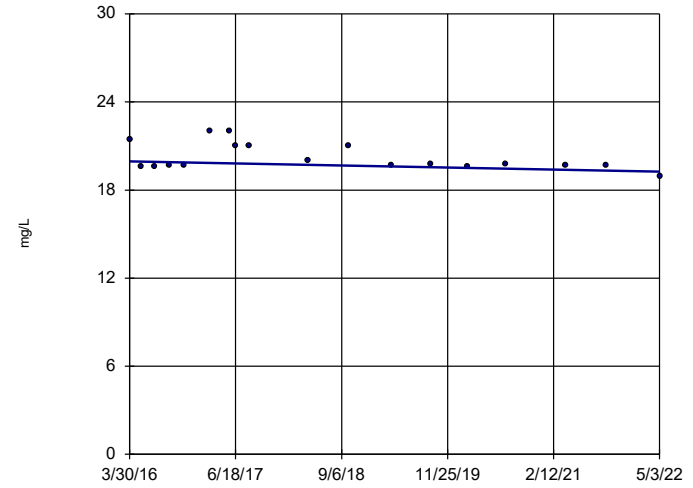


n = 18
 Slope = 0.1678
 units per year.
 Mann-Kendall
 statistic = 80
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-12

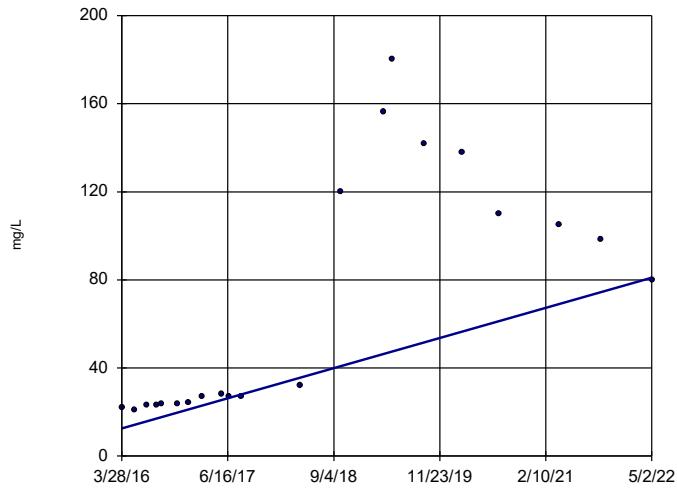


n = 18
 Slope = -0.1137
 units per year.
 Mann-Kendall
 statistic = -35
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-15R

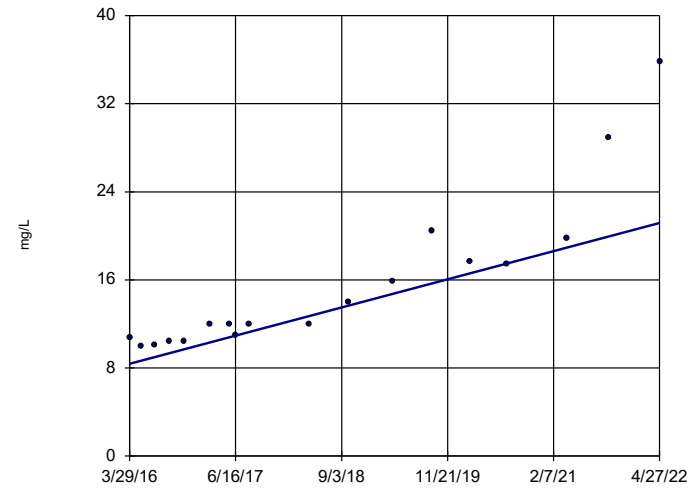


n = 21
 Slope = 11.22
 units per year.
 Mann-Kendall
 statistic = 139
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-16

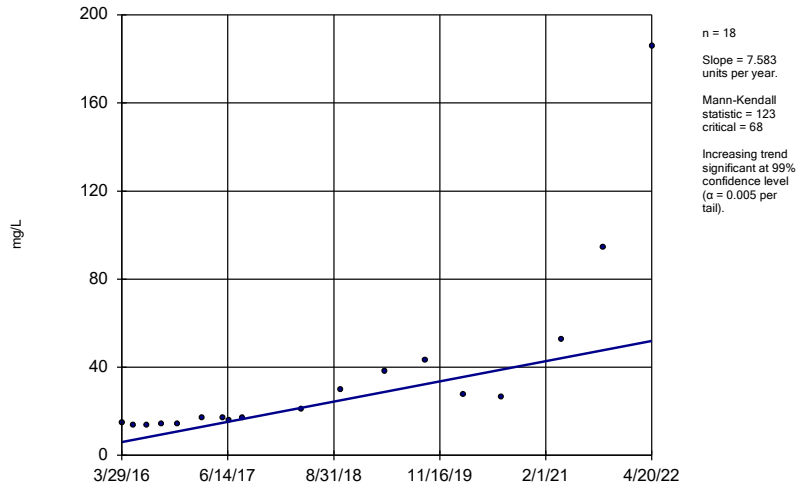


n = 18
 Slope = 2.1
 units per year.
 Mann-Kendall
 statistic = 126
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

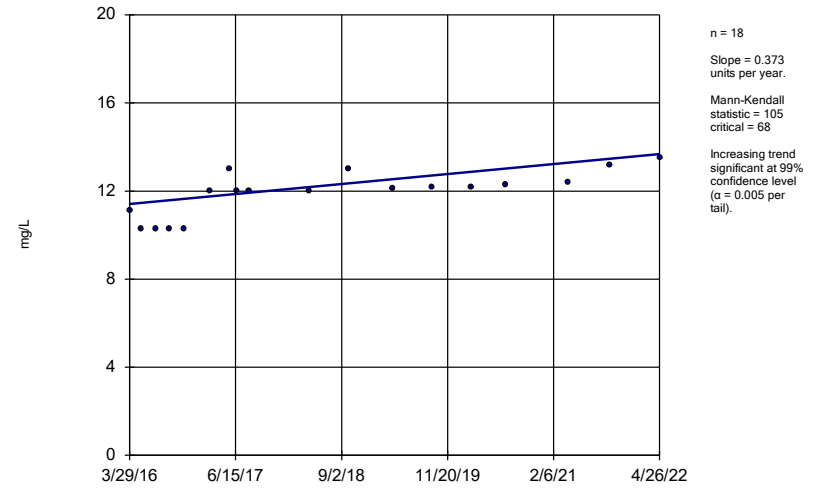
GN-AP-MW-17



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

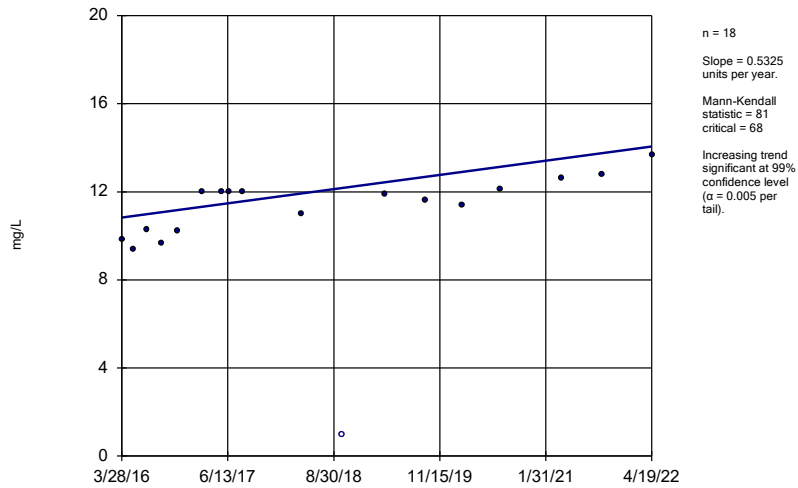
GN-AP-MW-18



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

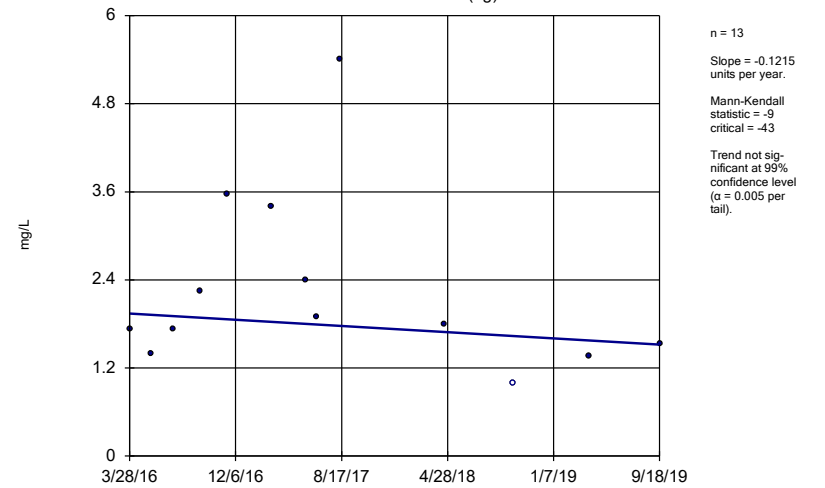
GN-AP-MW-19



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

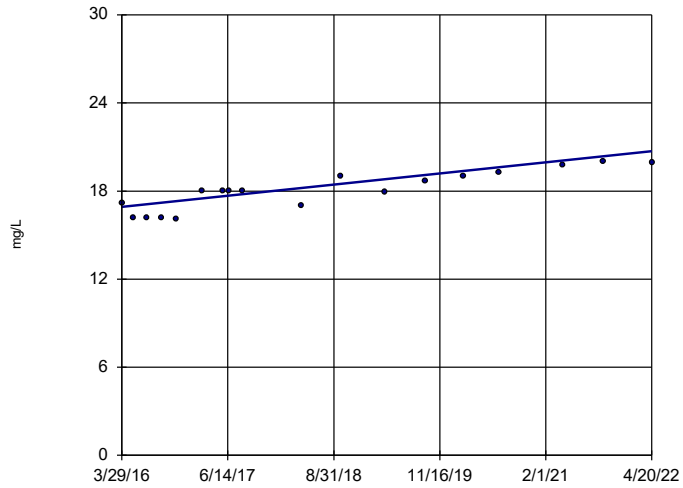
GN-AP-MW-2 (bg)



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-20

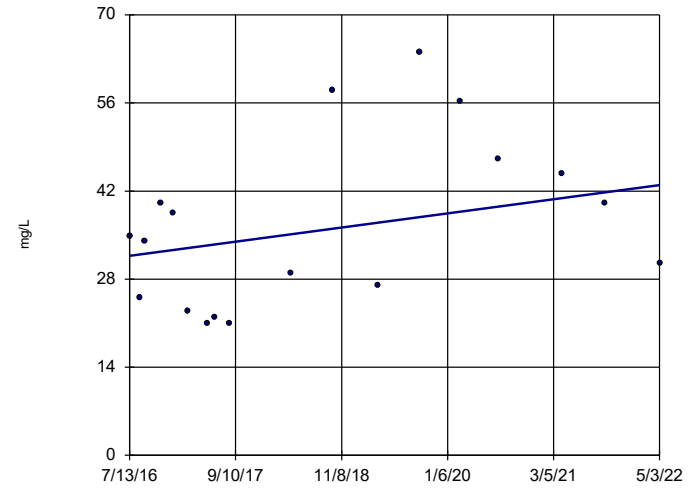


n = 18
 Slope = 0.6244
 units per year.
 Mann-Kendall
 statistic = 105
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-21

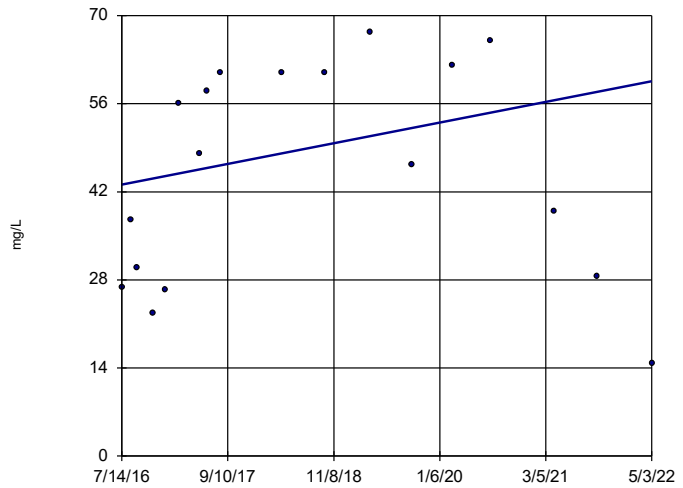


n = 18
 Slope = 1.94
 units per year.
 Mann-Kendall
 statistic = 29
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-22

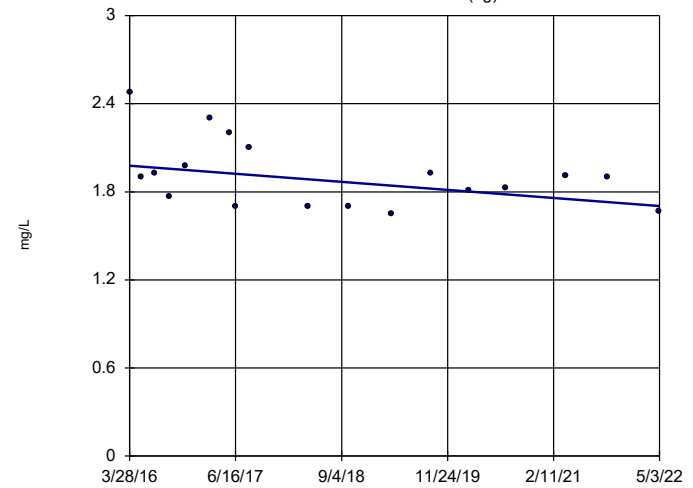


n = 18
 Slope = 2.83
 units per year.
 Mann-Kendall
 statistic = 36
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-3 (bg)

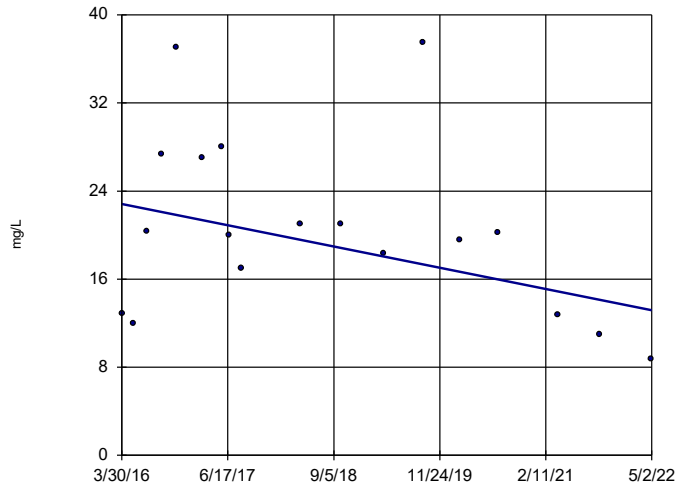


n = 18
 Slope = -0.04472
 units per year.
 Mann-Kendall
 statistic = -48
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-4

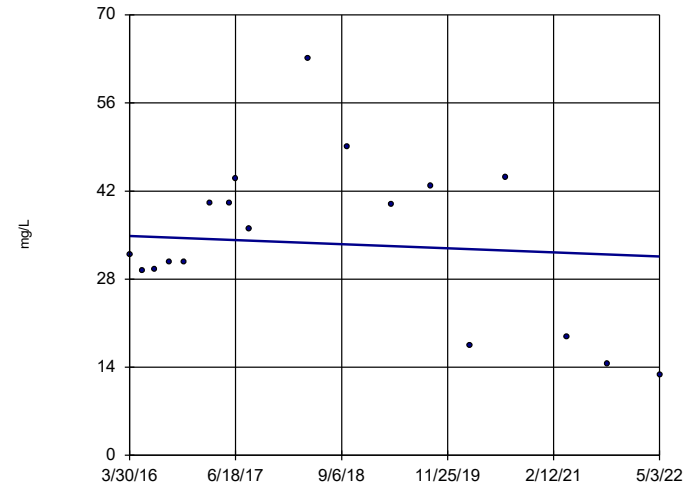


n = 18
 Slope = -1.583
 units per year.
 Mann-Kendall
 statistic = -38
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-5

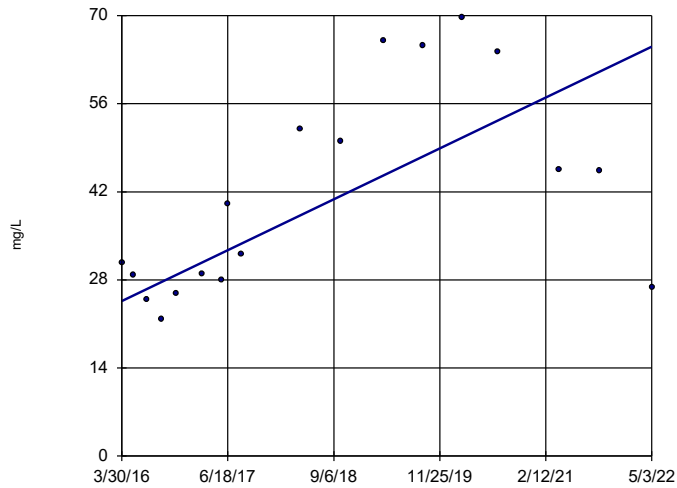


n = 18
 Slope = -0.5341
 units per year.
 Mann-Kendall
 statistic = -6
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-6

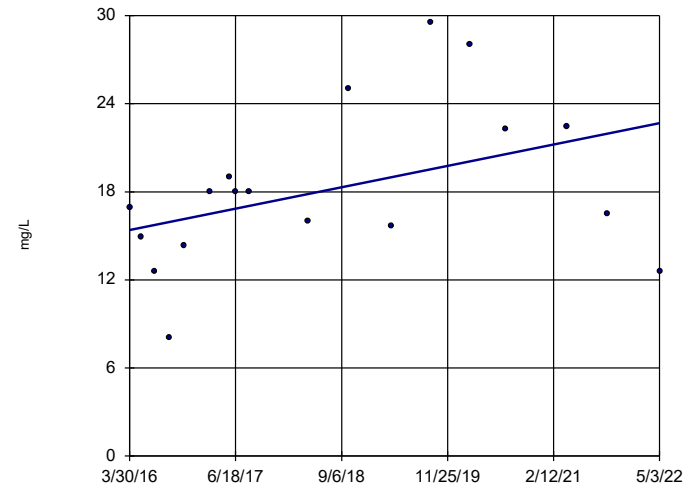


n = 18
 Slope = 6.636
 units per year.
 Mann-Kendall
 statistic = 63
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-7

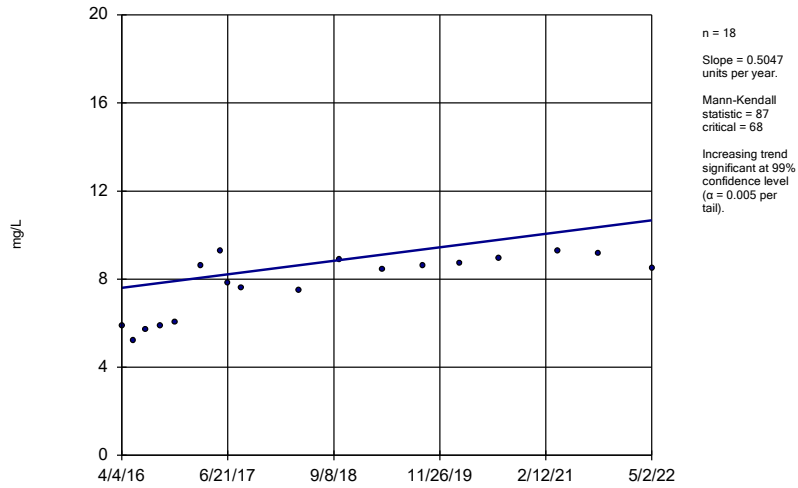


n = 18
 Slope = 1.195
 units per year.
 Mann-Kendall
 statistic = 41
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

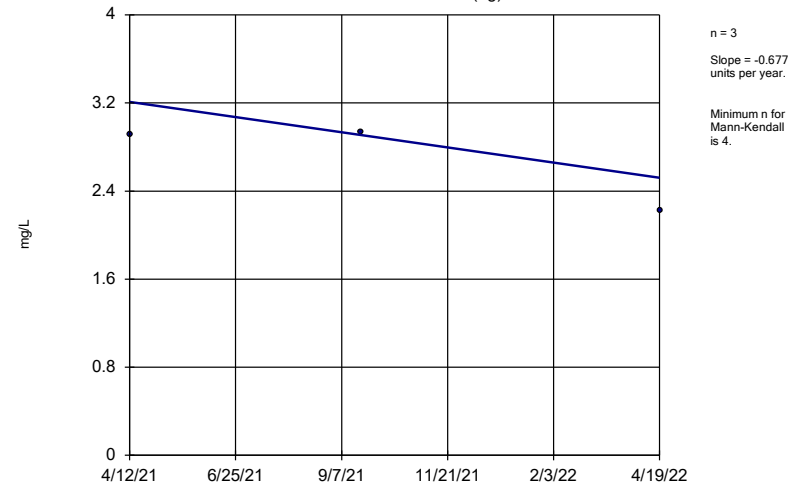
GN-AP-MW-9



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

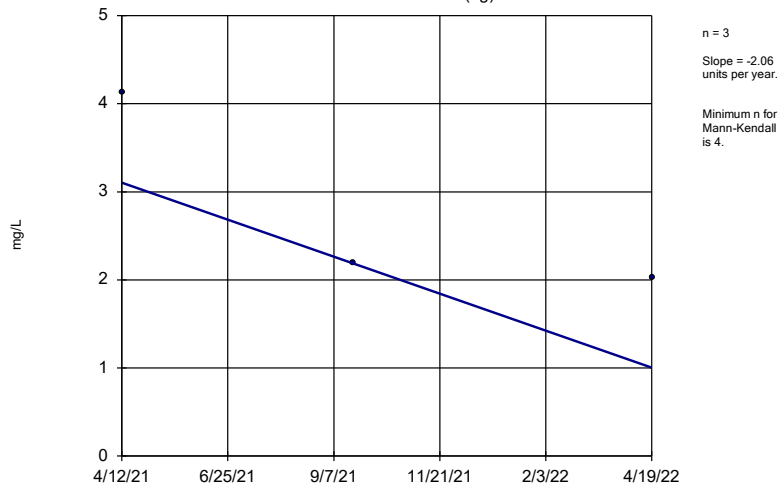
GN-AP-MW-39 (bg)



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

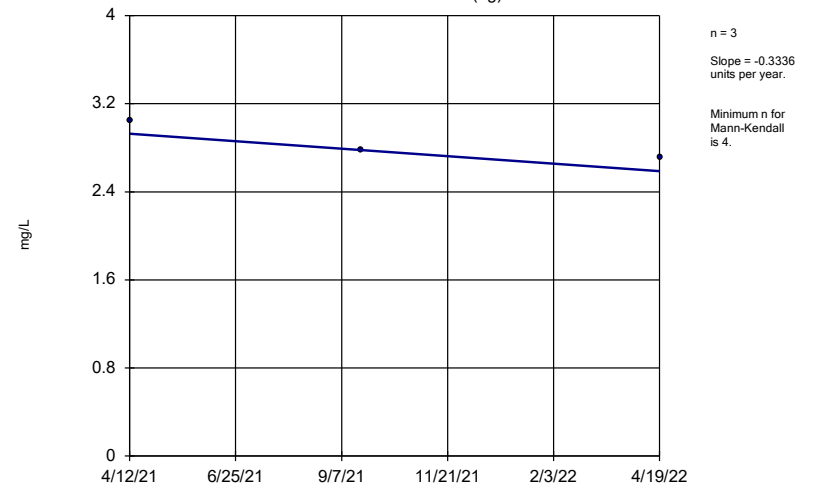
GN-AP-MW-40 (bg)



Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

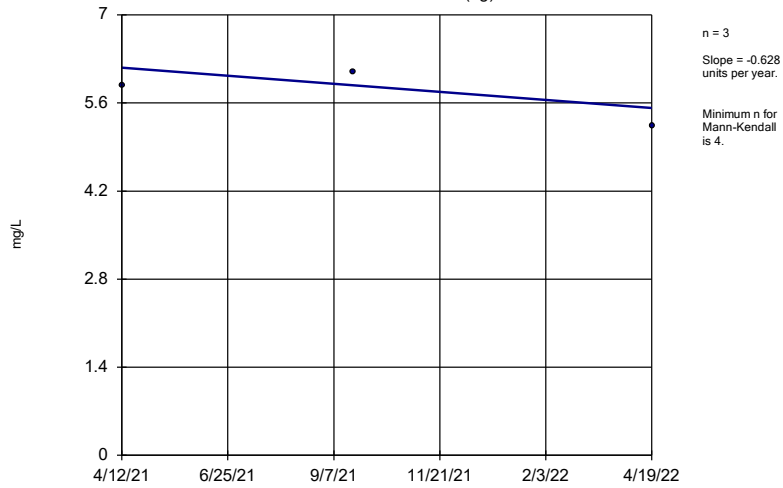
Sen's Slope Estimator

GN-AP-MW-41 (bg)



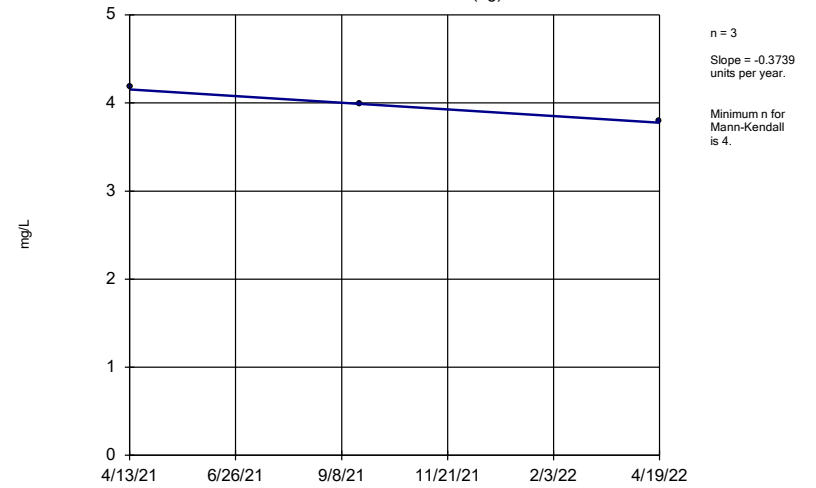
Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-38 (bg)



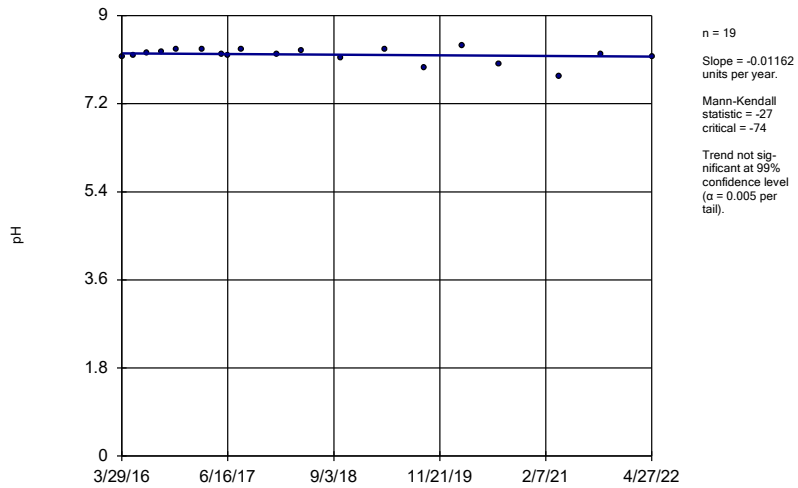
Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-42 (bg)



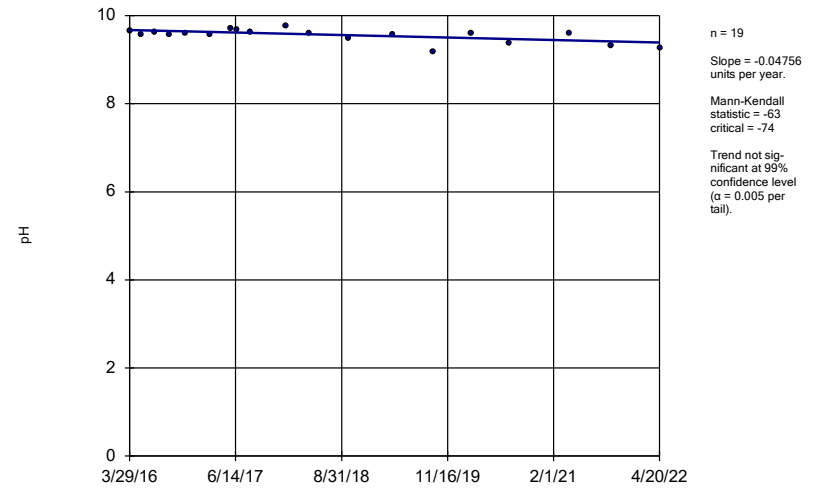
Constituent: Chloride Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-16



Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

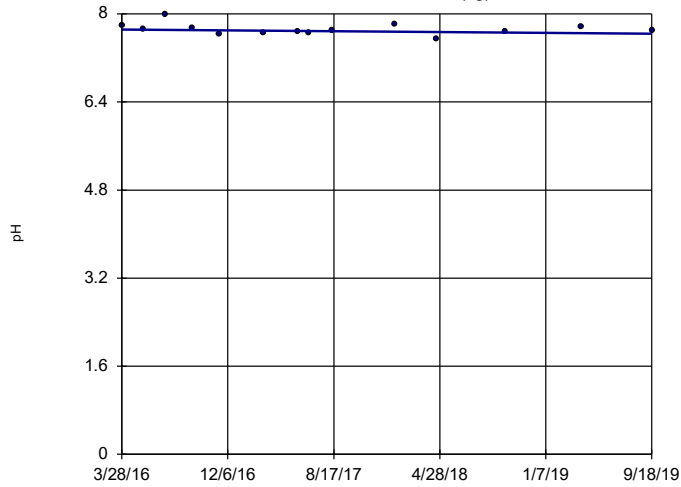
Sen's Slope Estimator
GN-AP-MW-17



Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-2 (bg)

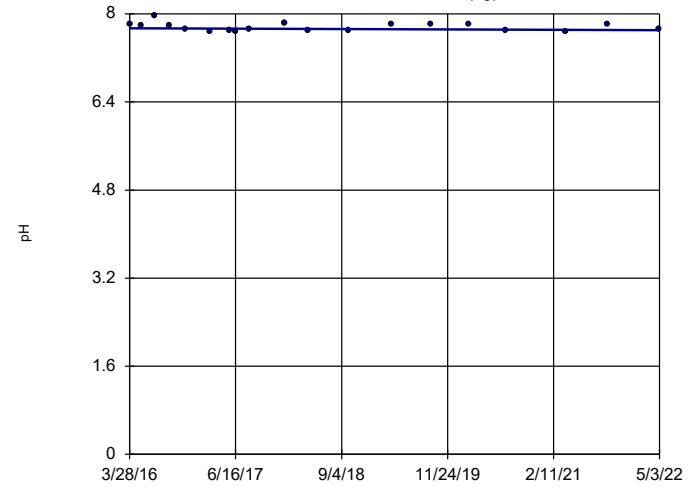


n = 14
 Slope = -0.02103 units per year.
 Mann-Kendall statistic = -11
 critical = -48
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-3 (bg)

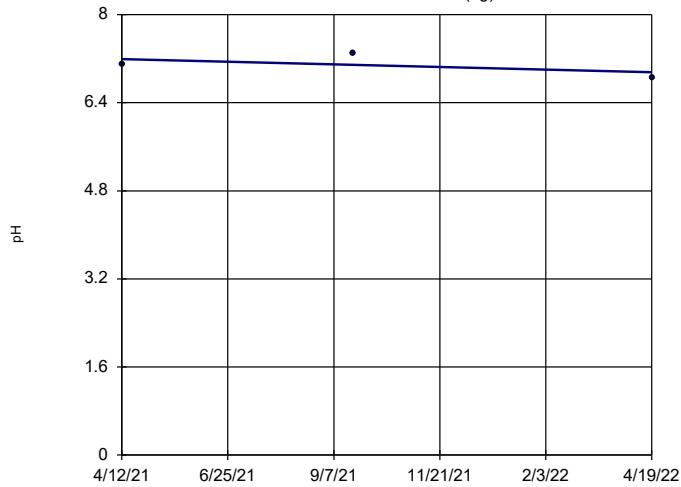


n = 19
 Slope = -0.005505 units per year.
 Mann-Kendall statistic = -20
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-39 (bg)

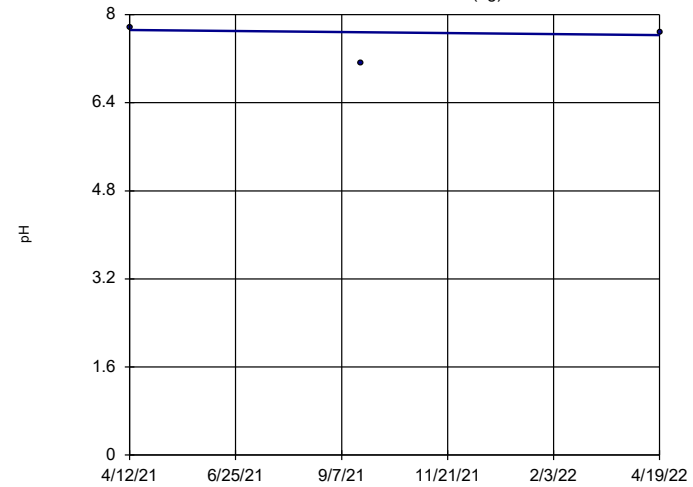


n = 3
 Slope = -0.2355 units per year.
 Minimum n for Mann-Kendall is 4.

Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-40 (bg)

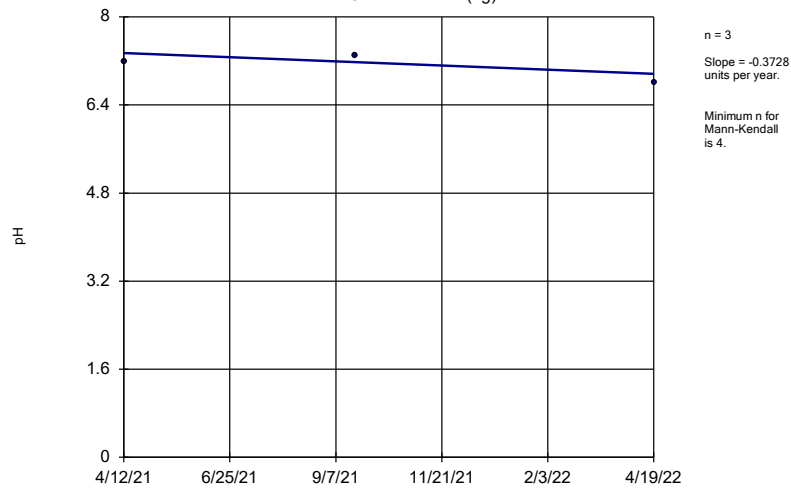


n = 3
 Slope = -0.08831 units per year.
 Minimum n for Mann-Kendall is 4.

Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

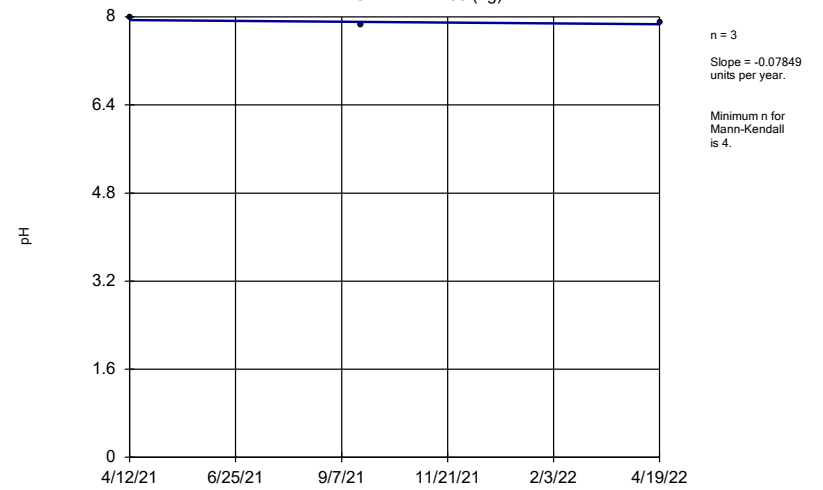
GN-AP-MW-41 (bg)



Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

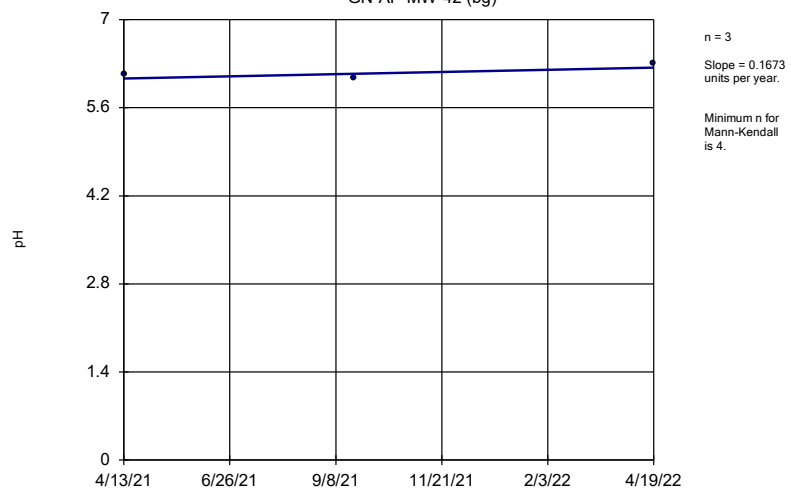
GN-AP-MW-38 (bg)



Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

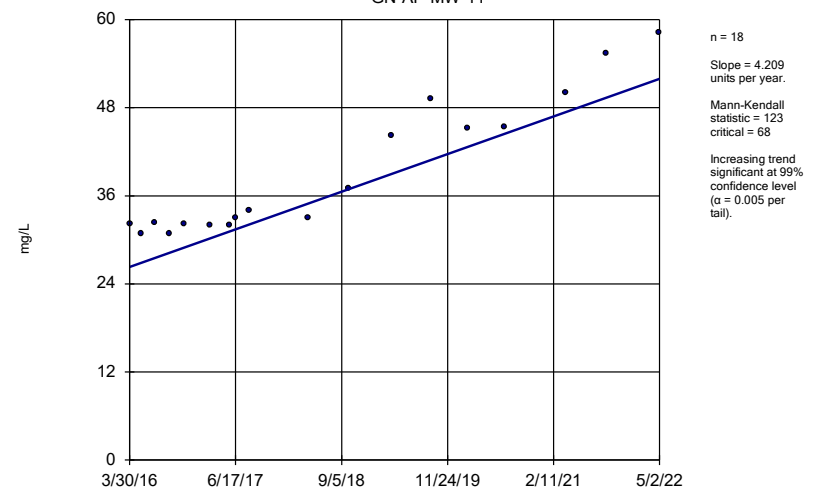
GN-AP-MW-42 (bg)



Constituent: pH Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

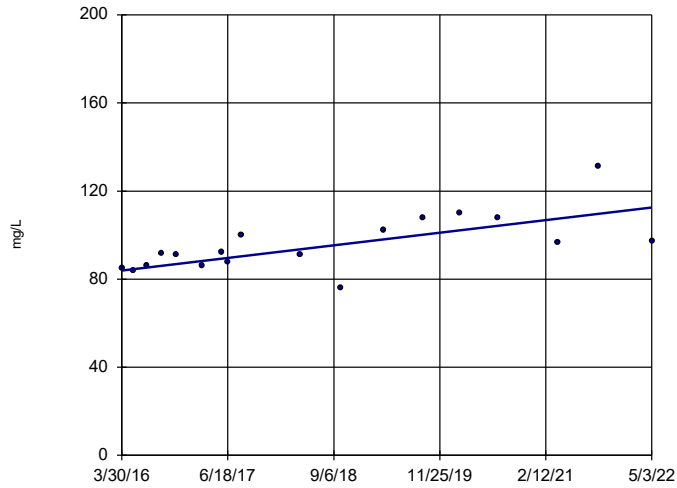
GN-AP-MW-11



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

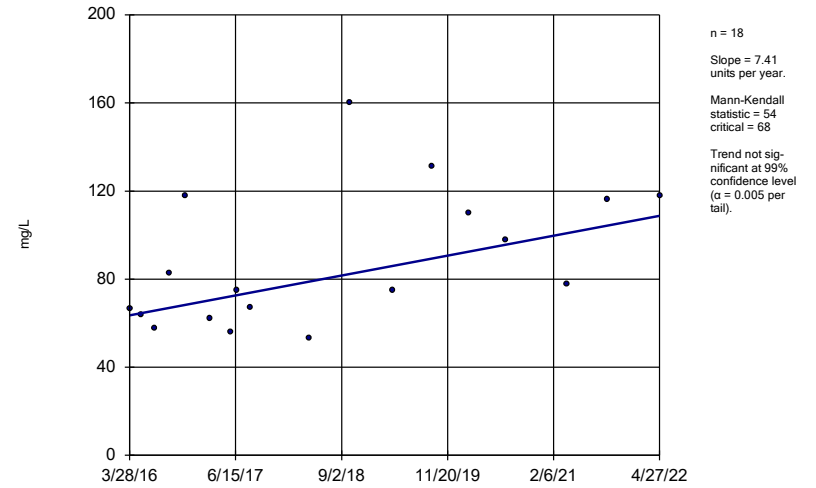
GN-AP-MW-12



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

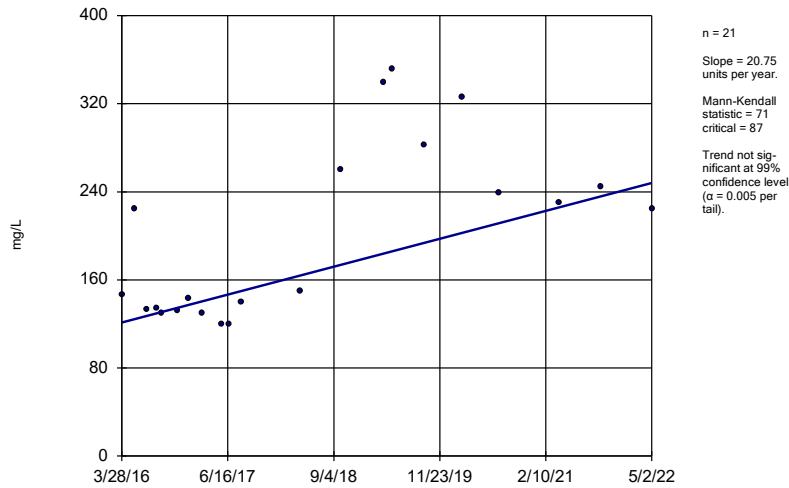
GN-AP-MW-14



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

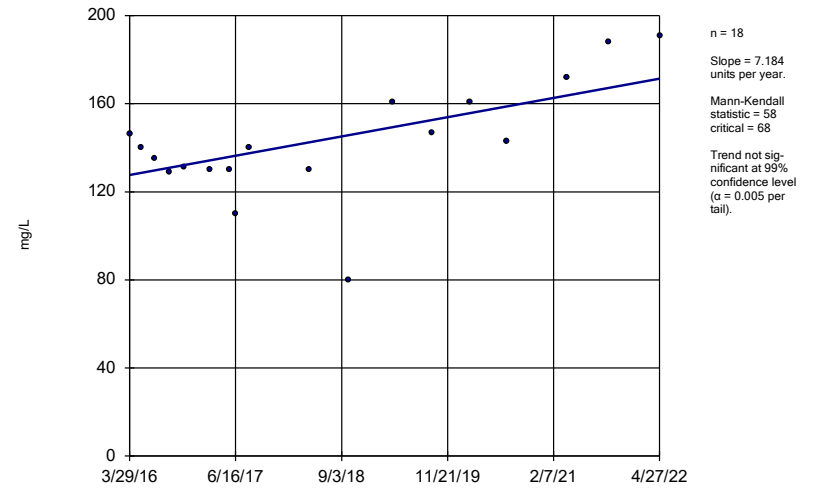
GN-AP-MW-15R



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

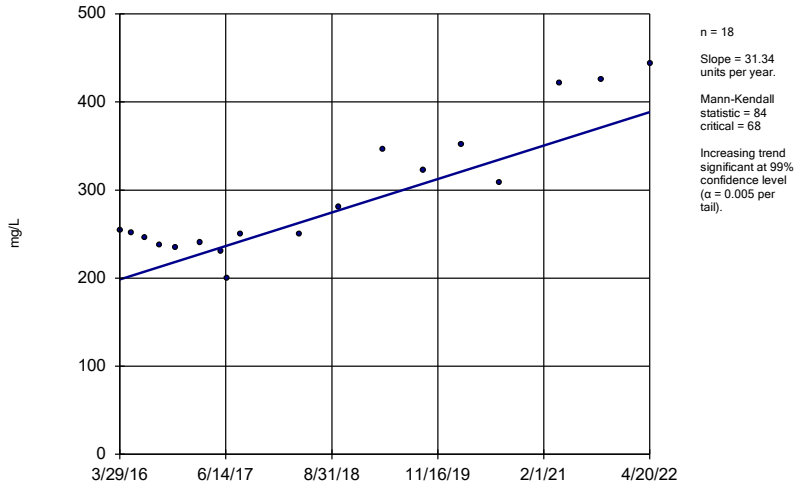
GN-AP-MW-16



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

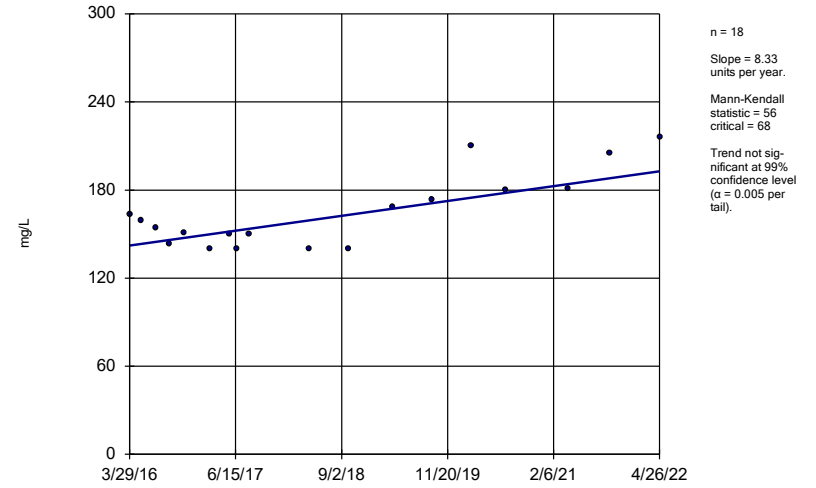
GN-AP-MW-17



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

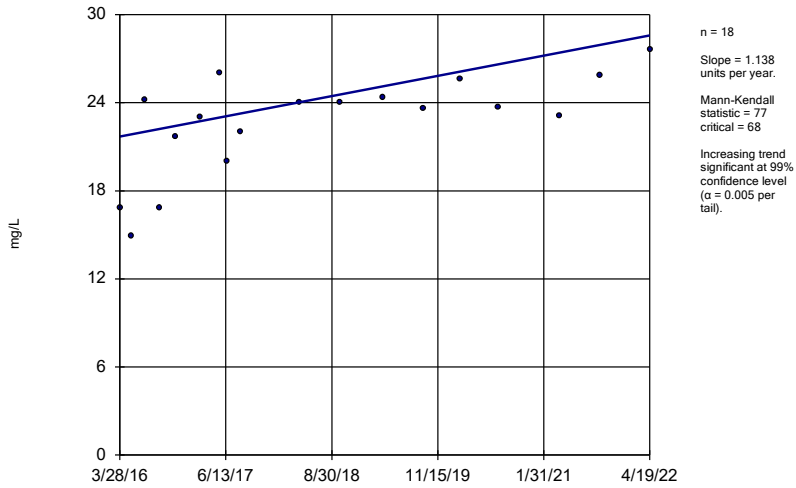
GN-AP-MW-18



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

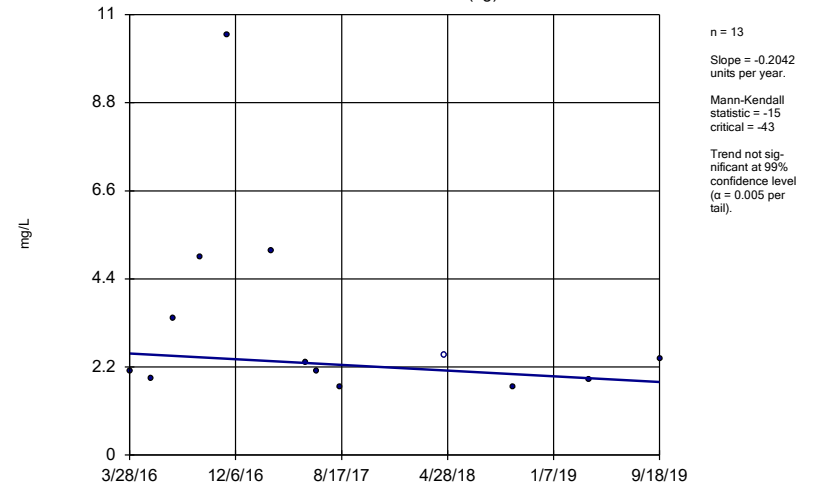
GN-AP-MW-19



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

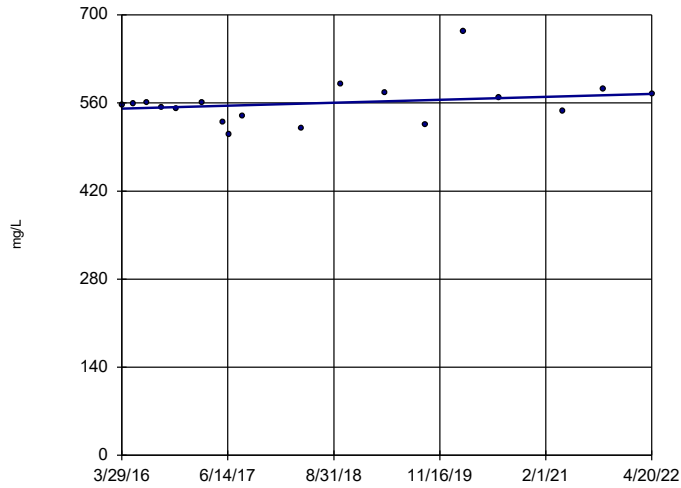
GN-AP-MW-2 (bg)



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-20

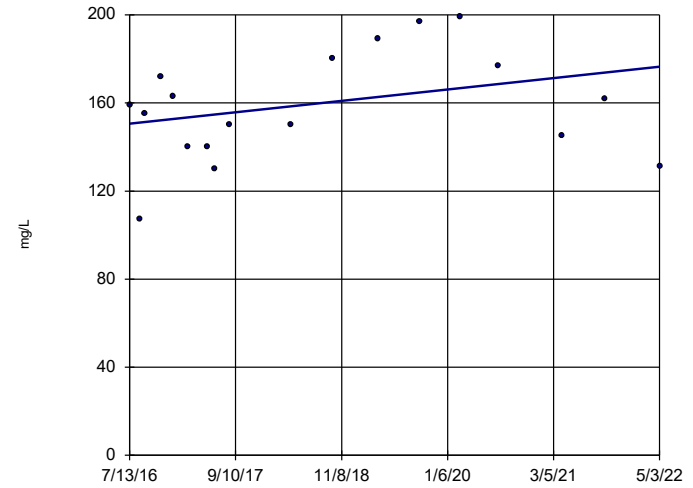


n = 18
 Slope = 3.891
 units per year.
 Mann-Kendall
 statistic = 24
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-21

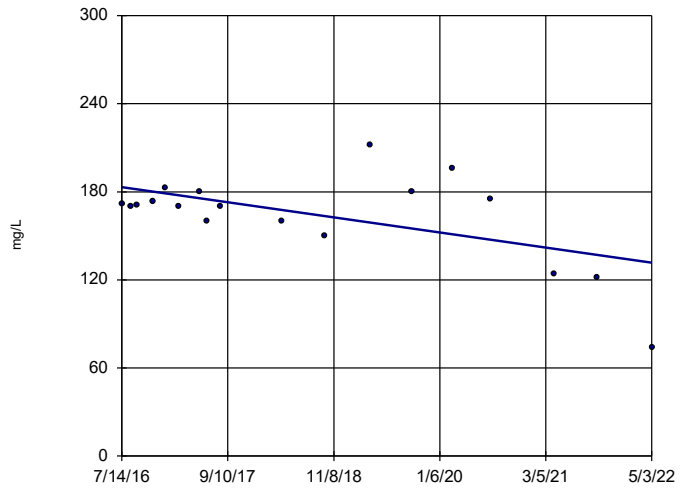


n = 18
 Slope = 4.451
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-22

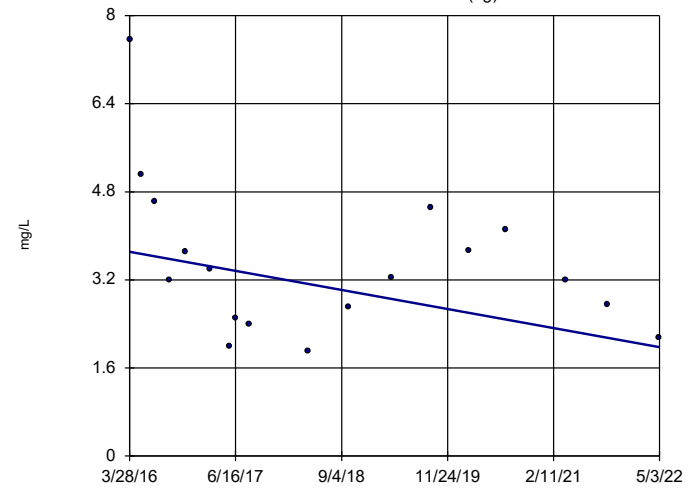


n = 18
 Slope = -8.859
 units per year.
 Mann-Kendall
 statistic = -38
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-3 (bg)

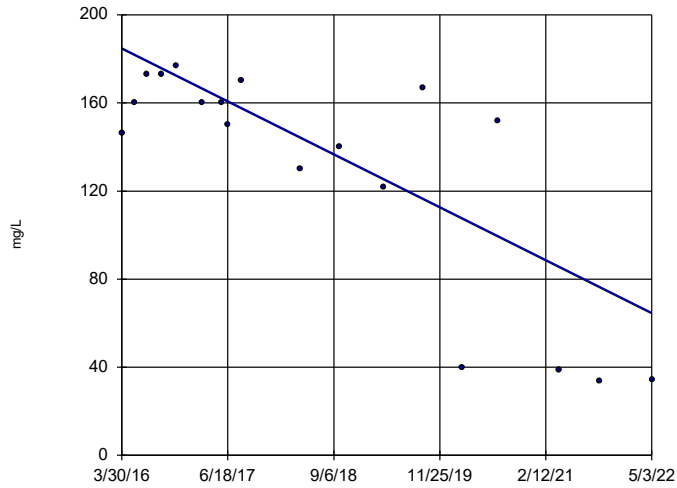


n = 18
 Slope = -0.2837
 units per year.
 Mann-Kendall
 statistic = -43
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-5

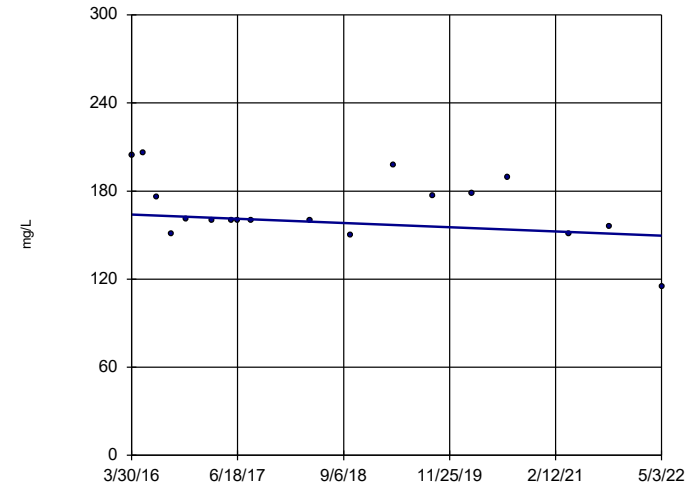


n = 18
 Slope = -19.72
 units per year.
 Mann-Kendall
 statistic = -83
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-6

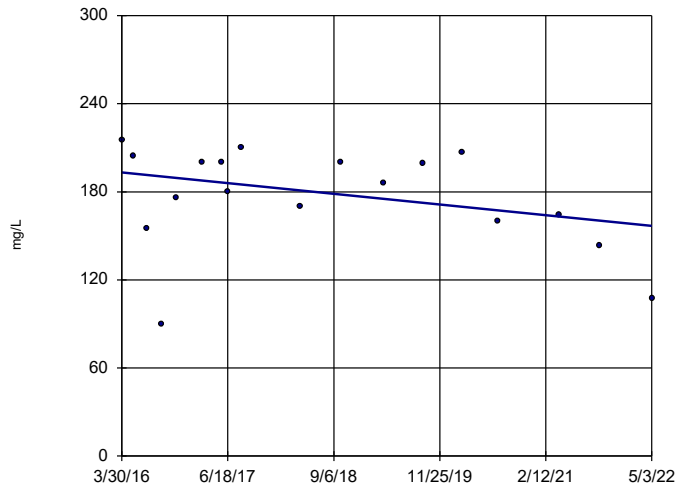


n = 18
 Slope = -2.368
 units per year.
 Mann-Kendall
 statistic = -42
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-7

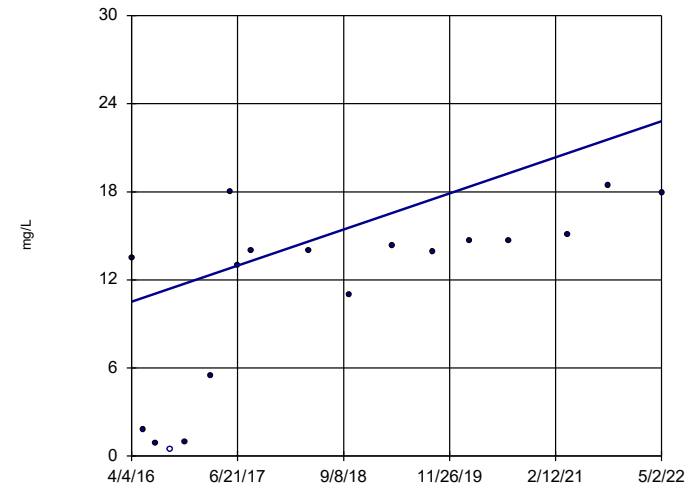


n = 18
 Slope = -5.964
 units per year.
 Mann-Kendall
 statistic = -42
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-9

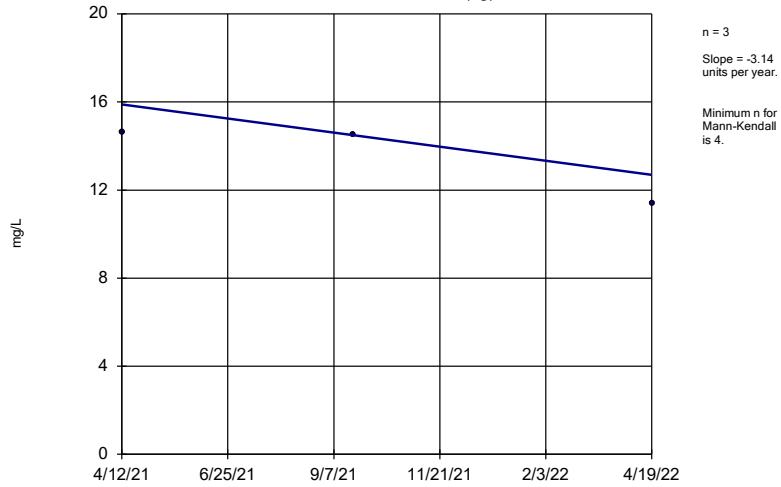


n = 18
 Slope = 2.025
 units per year.
 Mann-Kendall
 statistic = 95
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

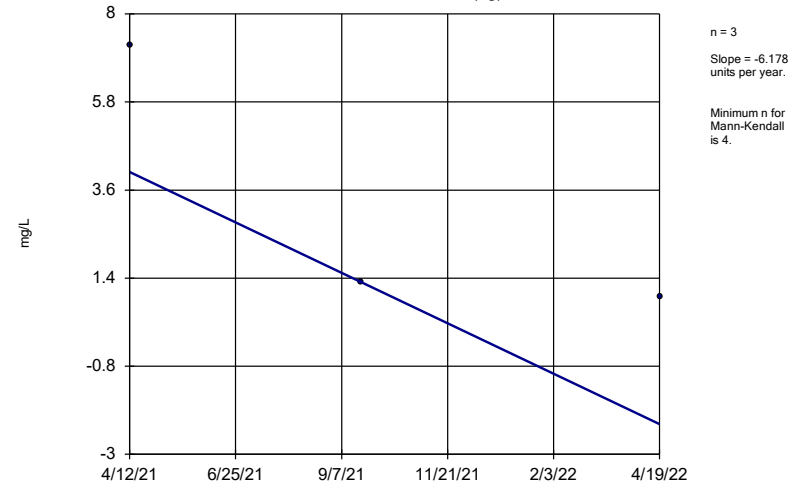
GN-AP-MW-39 (bg)



Constituent: Sulfate Analysis Run 7/1/2022 11:05 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

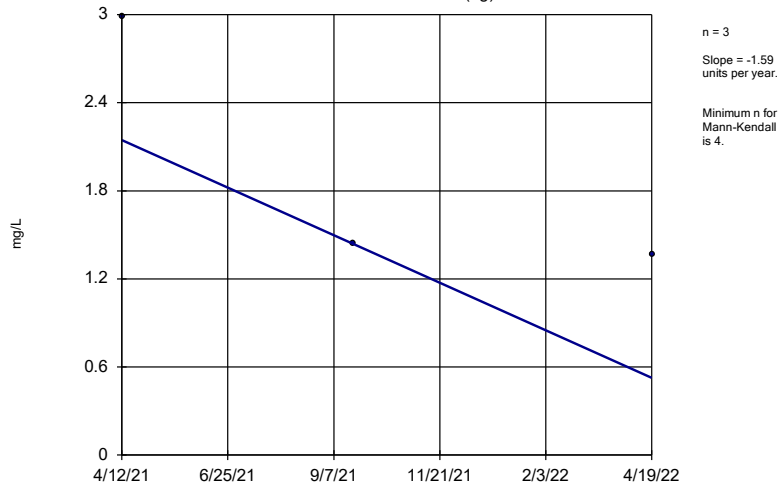
GN-AP-MW-40 (bg)



Constituent: Sulfate Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

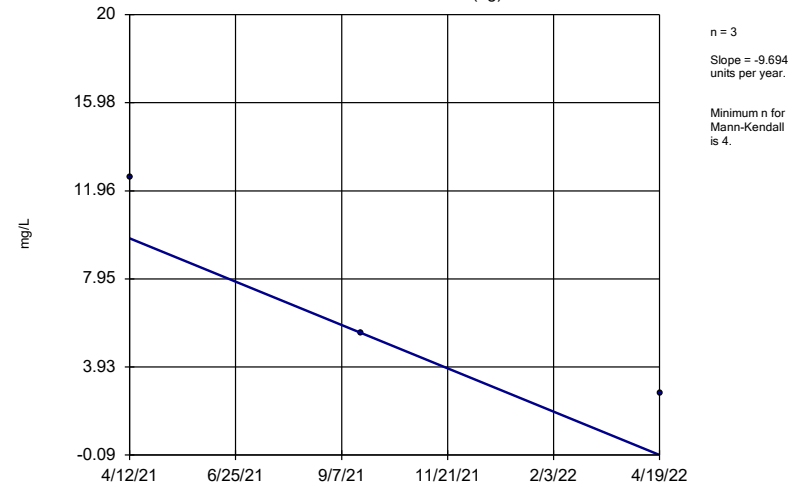
GN-AP-MW-41 (bg)



Constituent: Sulfate Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

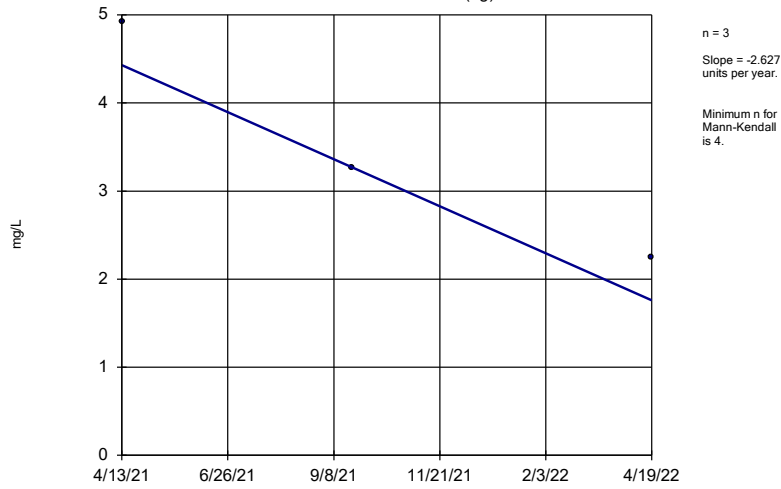
Sen's Slope Estimator

GN-AP-MW-38 (bg)



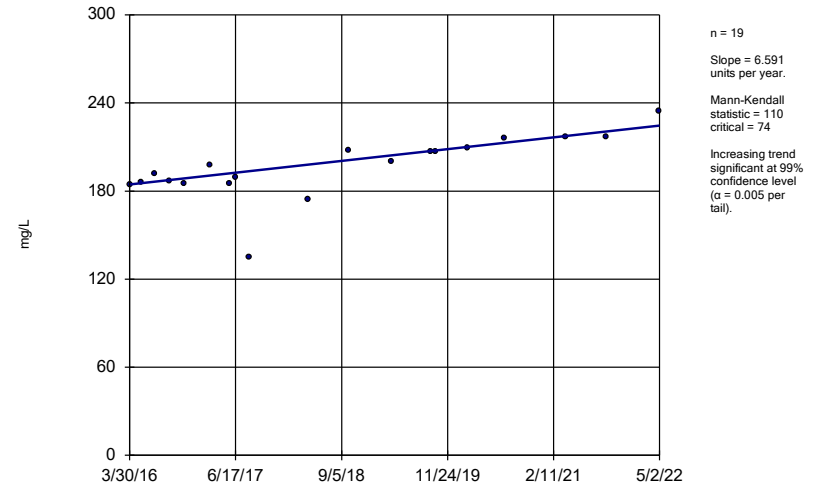
Constituent: Sulfate Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-42 (bg)



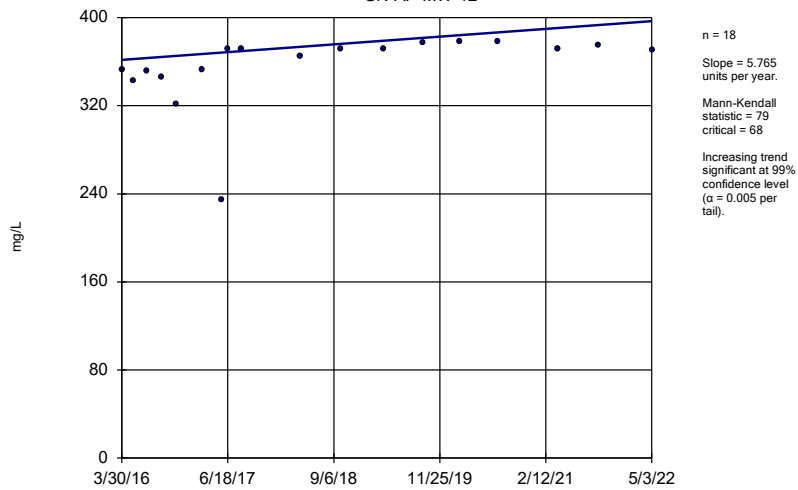
Constituent: Sulfate Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-11



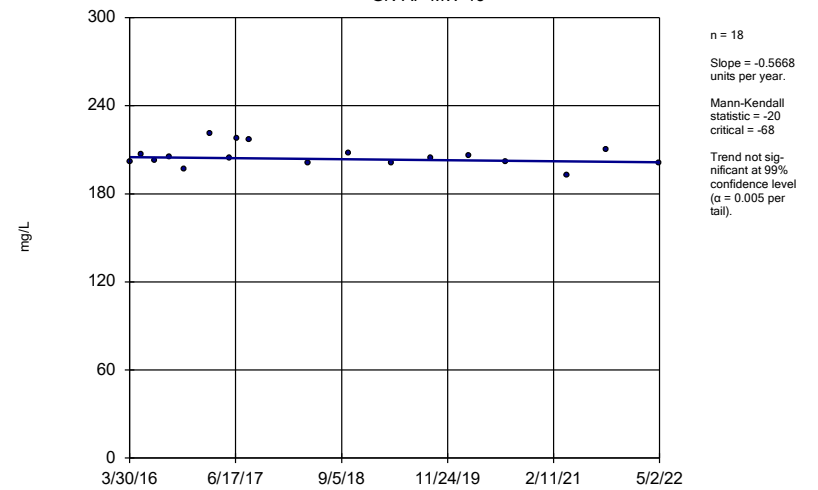
Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-12



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

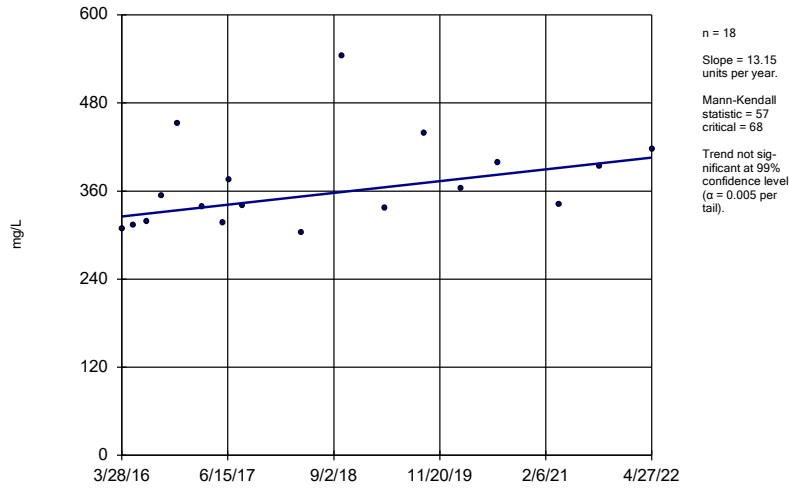
Sen's Slope Estimator
GN-AP-MW-13



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

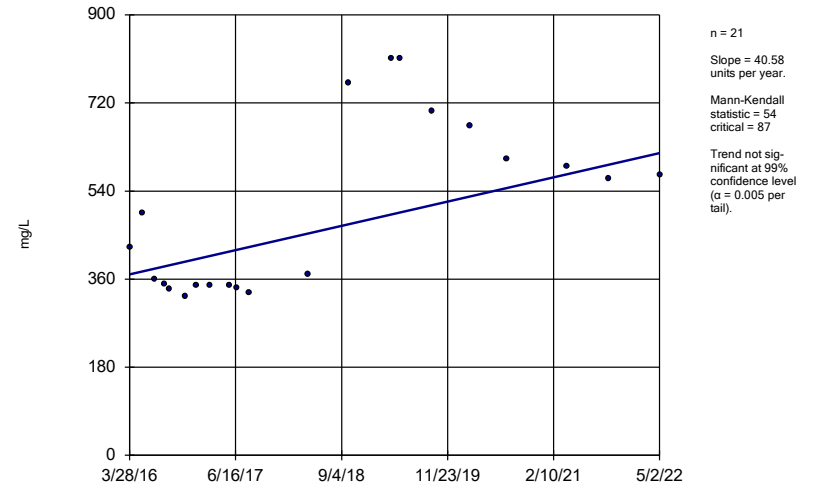
GN-AP-MW-14



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

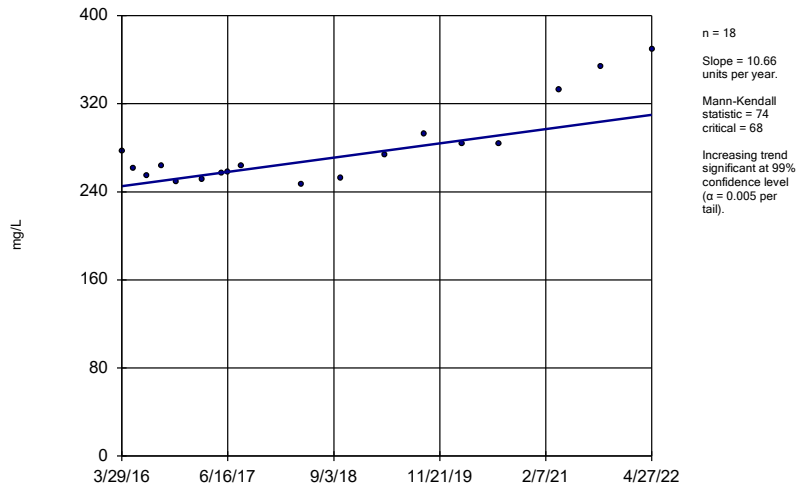
GN-AP-MW-15R



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

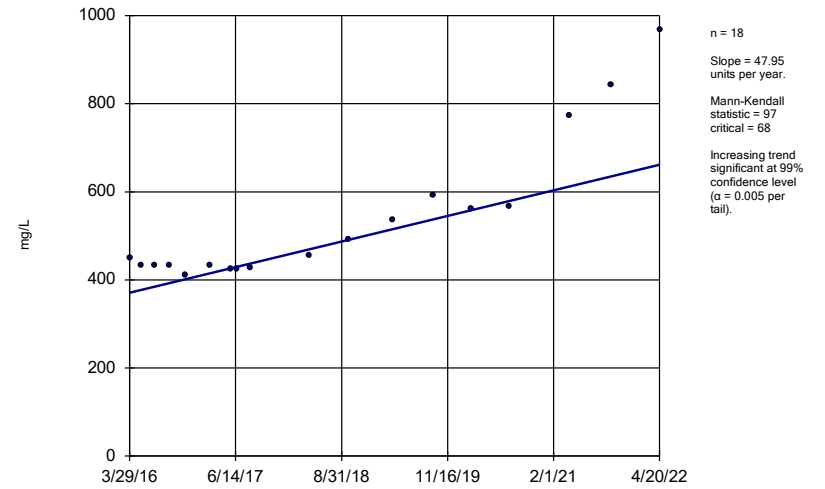
GN-AP-MW-16



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

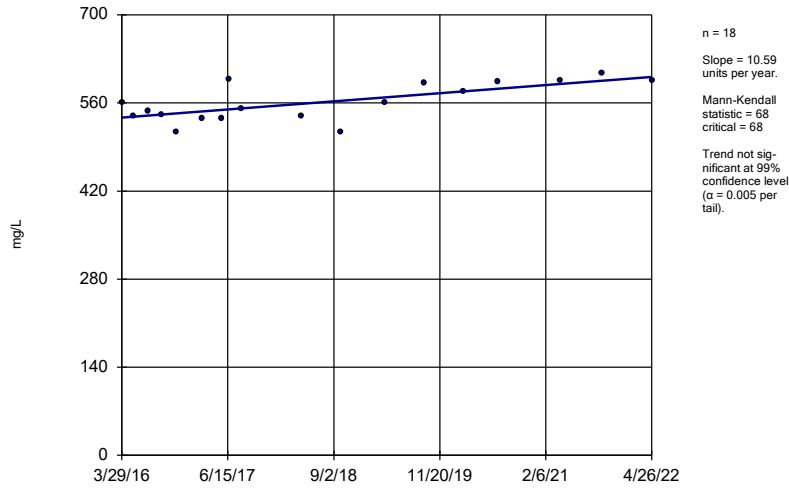
GN-AP-MW-17



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

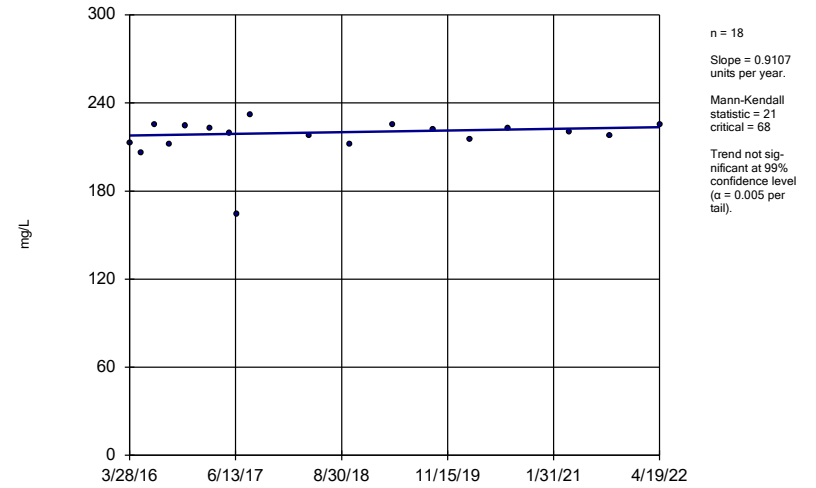
GN-AP-MW-18



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

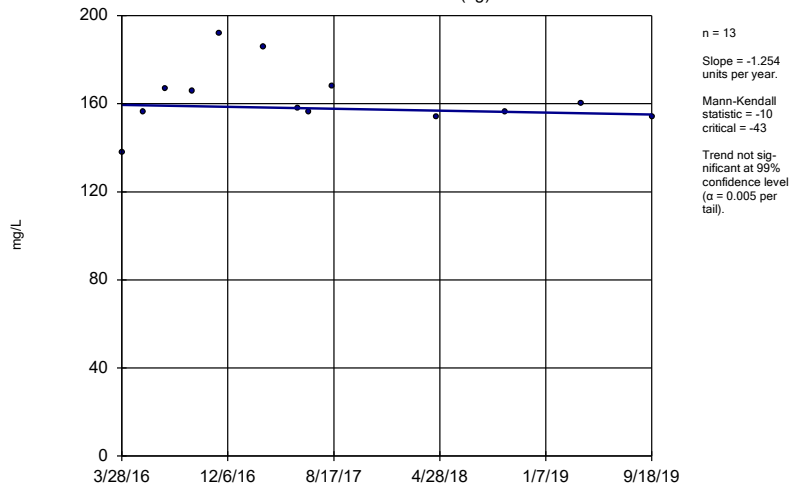
GN-AP-MW-19



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

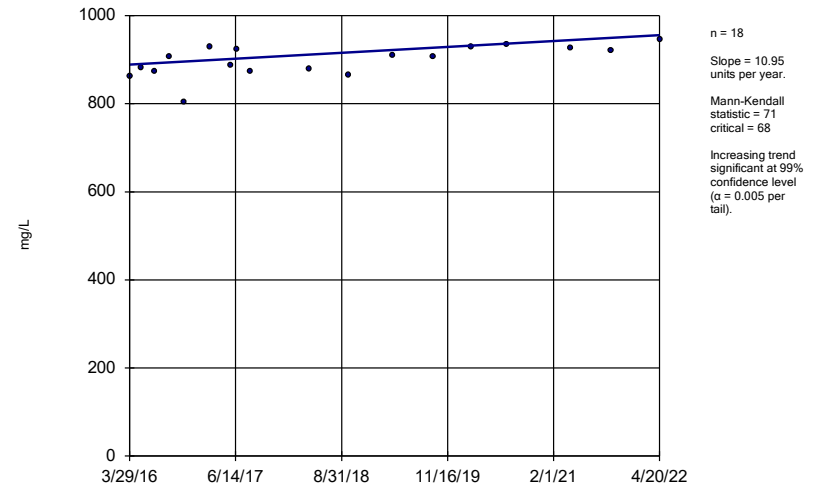
GN-AP-MW-2 (bg)



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

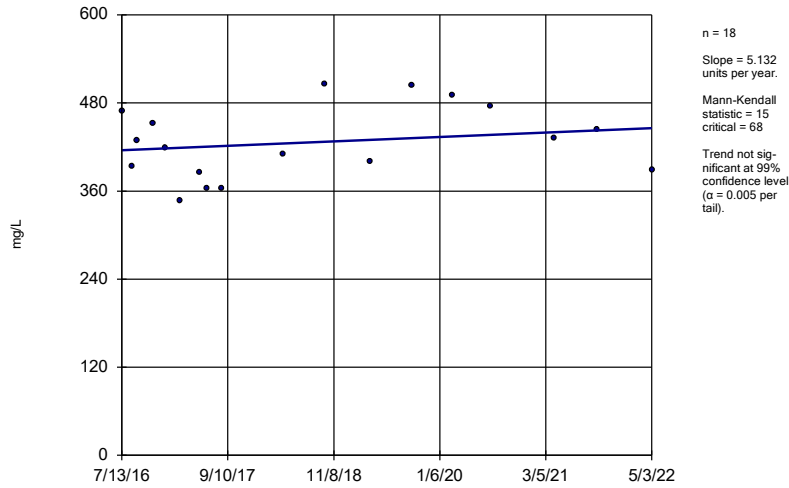
GN-AP-MW-20



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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

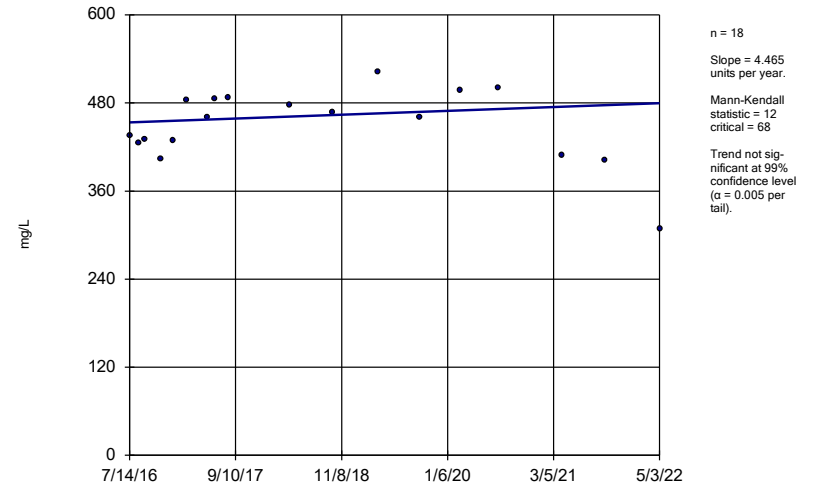
GN-AP-MW-21



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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

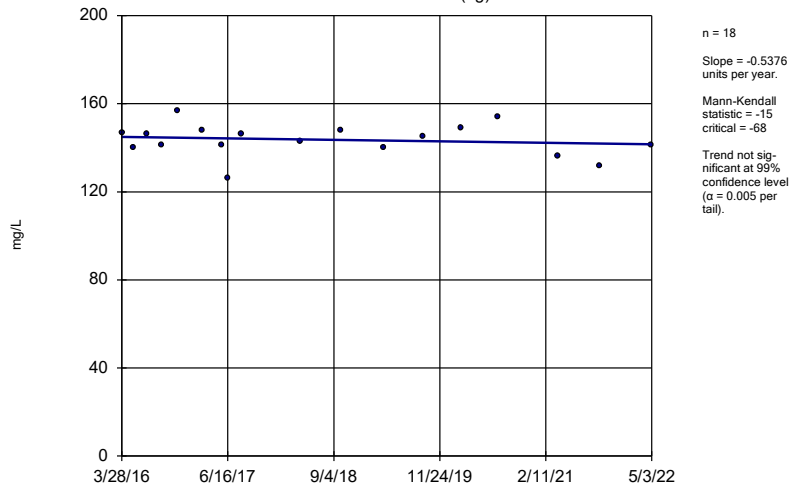
GN-AP-MW-22



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

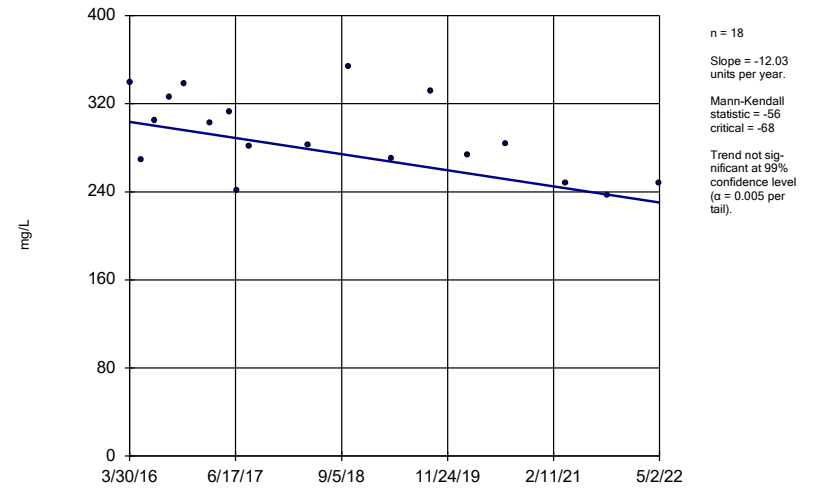
GN-AP-MW-3 (bg)



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

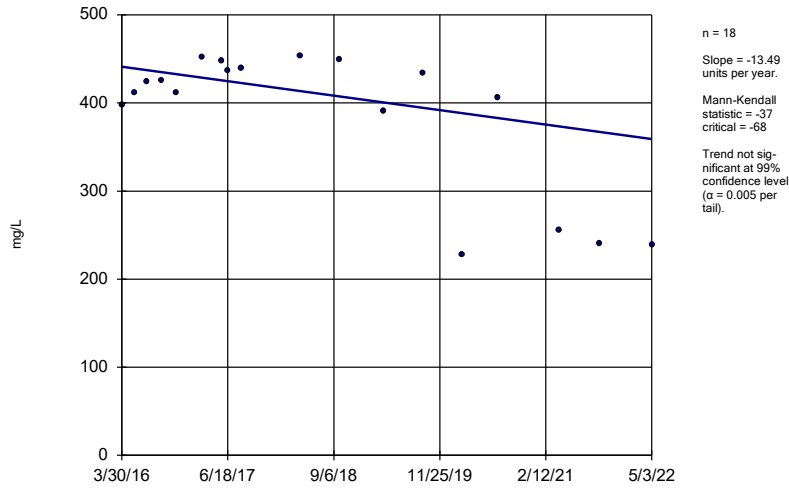
GN-AP-MW-4



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

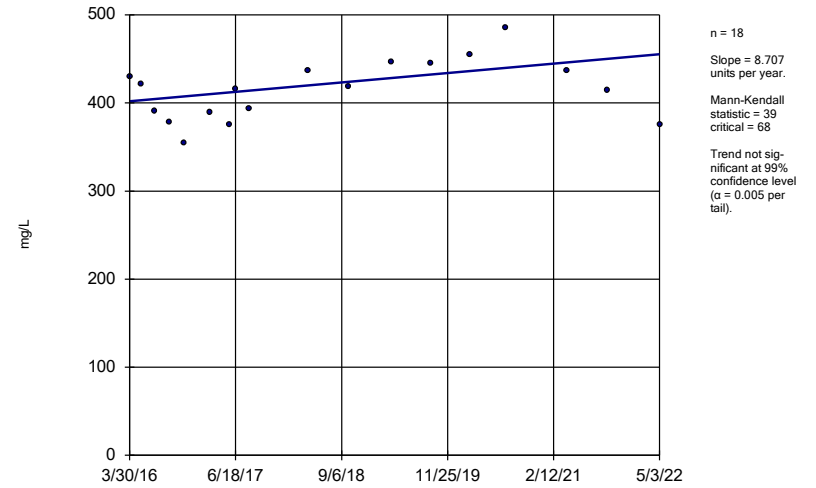
GN-AP-MW-5



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

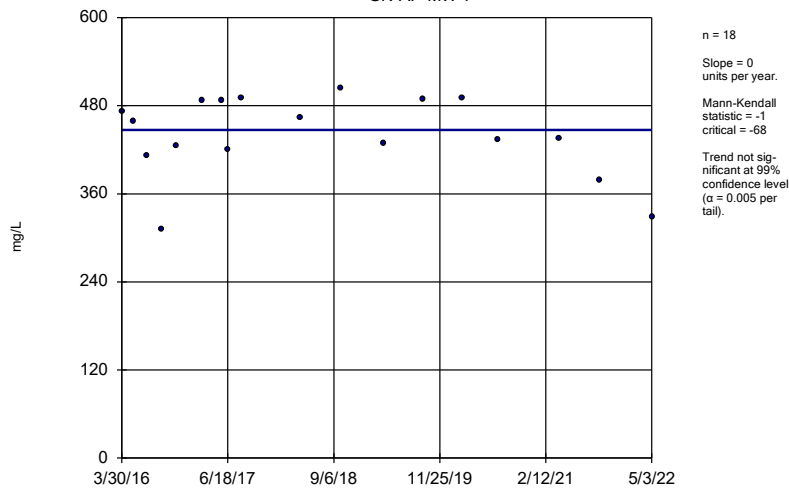
GN-AP-MW-6



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

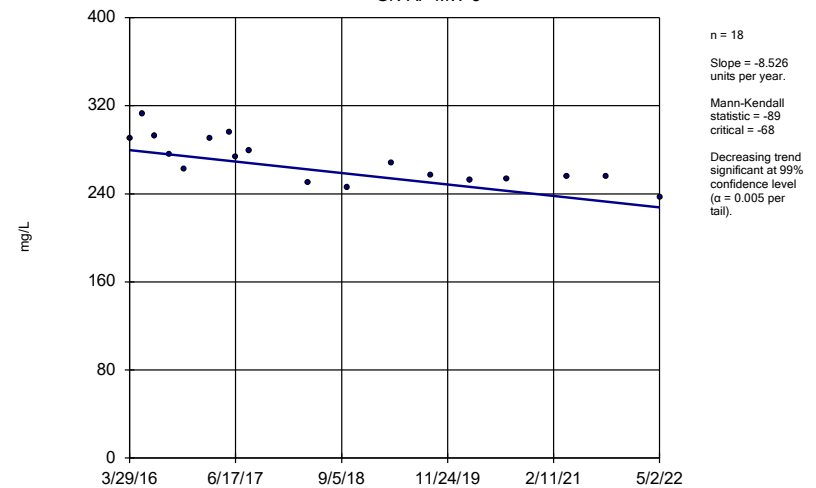
GN-AP-MW-7



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

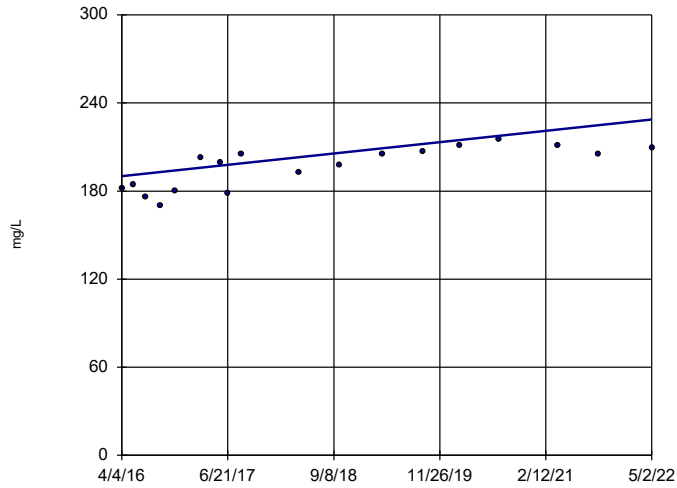
GN-AP-MW-8



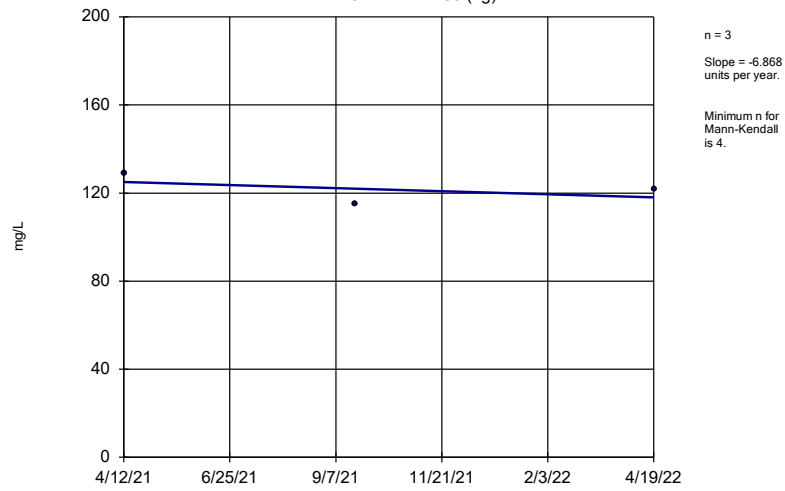
Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-9

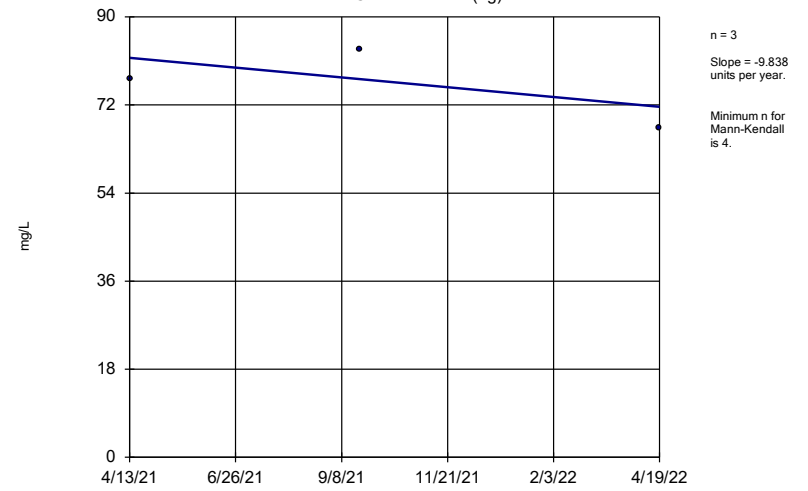


Sen's Slope Estimator GN-AP-MW-38 (bg)



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-42 (bg)



Constituent: TDS Analysis Run 7/1/2022 11:06 AM View: Appendix III - Trend Tests
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

FIGURE F.

Upper Tolerance Limits - Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 1/6/2022, 6:28 PM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	92.5	n/a	0.1285	NP Inter
Arsenic (mg/L)	0.00105	n/a	n/a	n/a	n/a	40	72.5	n/a	0.1285	NP Inter
Barium (mg/L)	0.0283	n/a	n/a	n/a	n/a	40	0	n/a	0.1285	NP Inter
Beryllium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Cadmium (mg/L)	0.000855	n/a	n/a	n/a	n/a	40	95	n/a	0.1285	NP Inter
Chromium (mg/L)	0.01	n/a	n/a	n/a	n/a	40	70	n/a	0.1285	NP Inter
Cobalt (mg/L)	0.00168	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Combined Radium 226 + 228 (pCi/L)	3	n/a	n/a	n/a	n/a	38	0	n/a	0.1424	NP Inter
Fluoride (mg/L)	0.181	n/a	n/a	n/a	n/a	42	57.14	n/a	0.116	NP Inter
Lead (mg/L)	0.00128	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Lithium (mg/L)	0.02	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Mercury (mg/L)	0.0005	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Molybdenum (mg/L)	0.00856	n/a	n/a	n/a	n/a	40	32.5	n/a	0.1285	NP Inter
Selenium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Thallium (mg/L)	0.000648	n/a	n/a	n/a	n/a	40	82.5	n/a	0.1285	NP Inter

FIGURE G.

GASTON AP GWPS			
Analyte	Units	Background	GWPS
Antimony	mg/L	0.00102	0.006
Arsenic	mg/L	0.00105	0.01
Barium	mg/L	0.0283	2
Beryllium	mg/L	0.00102	0.004
Cadmium	mg/L	0.000855	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00168	0.006
Combined Radium-226/228	pCi/L	3	5
Fluoride	mg/L	0.181	4
Lead	mg/L	0.00128	0.015
Lithium	mg/L	0.02	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.00856	0.1
Selenium	mg/L	0.00102	0.05
Thallium	mg/L	0.000648	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 H.

Confidence Intervals - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	GN-AP-MW-16	0.1204	0.07942	0.04	Yes	8	0.09993	0.01935	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.004	0.6676	0.04	Yes	8	0.834	0.1604	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	GN-AP-MW-18	0.0509	0.04183	0.04	Yes	8	0.04641	0.004902	0	None	x^5	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1384	0.1149	0.04	Yes	8	0.1266	0.01108	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-15R	0.3417	0.1195	0.1	Yes	8	0.2306	0.1048	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.267	0.1	Yes	8	0.3925	0.111	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.31	2.193	0.1	Yes	8	2.751	0.5271	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-20	0.841	0.786	0.1	Yes	8	0.8135	0.02596	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GN-AP-MW-12	0.00102	0.000871	0.006	No	8	0.001001	0.00005268	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-14	0.00102	0.000939	0.006	No	8	0.00101	0.00002864	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-15R	0.00113	0.000998	0.006	No	8	0.001031	0.00004074	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-17	0.001126	0.0005645	0.006	No	8	0.0009485	0.000228	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	GN-AP-MW-19	0.00123	0.00102	0.006	No	8	0.001046	0.00007425	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-6	0.00102	0.000819	0.006	No	8	0.0009949	0.00007106	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-7	0.00102	0.00089	0.006	No	8	0.001004	0.00004596	87.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-10	0.005	0.00024	0.01	No	8	0.003224	0.002451	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-11	0.005	0.00017	0.01	No	8	0.003198	0.002487	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-12	0.007034	0.002418	0.01	No	8	0.004726	0.002177	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-13	0.005	0.00043	0.01	No	8	0.003326	0.002311	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-14	0.005	0.000441	0.01	No	8	0.002835	0.002322	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-15R	0.00282	0.0005553	0.01	No	8	0.001645	0.00144	12.5	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-16	0.005585	0.004542	0.01	No	8	0.005064	0.0004922	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-17	0.01135	0.009043	0.01	No	8	0.0102	0.001088	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-18	0.0067	0.00265	0.01	No	8	0.003539	0.001366	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-19	0.00361	0.00196	0.01	No	8	0.002505	0.0005844	0	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-20	0.004285	0.003642	0.01	No	8	0.003964	0.0003032	0	None	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-21	0.002368	0.0009454	0.01	No	8	0.001639	0.0007351	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-22	0.005	0.00015	0.01	No	8	0.002724	0.00246	50	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-4	0.005	0.000142	0.01	No	8	0.003185	0.002505	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-5	0.005	0.000148	0.01	No	8	0.003182	0.002509	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-6	0.005	0.0000955	0.01	No	8	0.003173	0.002521	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-7	0.005	0.00016	0.01	No	8	0.003193	0.002494	62.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-8	0.005	0.00107	0.01	No	8	0.00183	0.00132	12.5	None	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-9	0.003033	0.002225	0.01	No	8	0.002629	0.0003814	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-10	0.01403	0.01285	2	No	8	0.01334	0.0006523	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-11	0.009656	0.008207	2	No	8	0.008931	0.0006833	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-12	0.08062	0.07013	2	No	8	0.07538	0.004949	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-13	0.04239	0.03556	2	No	8	0.03898	0.003225	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-14	0.07667	0.06433	2	No	8	0.0705	0.005823	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-15R	0.134	0.0541	2	No	8	0.07448	0.02577	0	None	No	0.004	NP (normality)
Barium (mg/L)	GN-AP-MW-16	0.0482	0.0312	2	No	8	0.0397	0.008018	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-17	0.12	0.0898	2	No	8	0.1095	0.01175	0	None	No	0.004	NP (normality)
Barium (mg/L)	GN-AP-MW-18	0.05255	0.04483	2	No	8	0.04869	0.003643	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-19	0.01949	0.01463	2	No	8	0.01706	0.002292	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-20	0.06302	0.0573	2	No	8	0.06016	0.002698	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-21	0.04481	0.02179	2	No	8	0.0333	0.01086	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-22	0.04594	0.03194	2	No	8	0.03894	0.006606	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-4	0.02953	0.01409	2	No	8	0.02181	0.007285	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-5	0.03468	0.02337	2	No	8	0.02903	0.005333	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-6	0.02547	0.02058	2	No	8	0.02303	0.002311	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-7	0.02763	0.02122	2	No	8	0.02443	0.003026	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-8	0.0205	0.017	2	No	8	0.01875	0.001649	0	None	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-9	0.1171	0.1047	2	No	8	0.1109	0.005866	0	None	No	0.01	Param.
Cadmium (mg/L)	GN-AP-MW-16	0.0002	0.00008	0.005	No	8	0.0001725	0.00005122	75	None	No	0.004	NP (NDs)
Cadmium (mg/L)	GN-AP-MW-17	0.00051	0.0002	0.005	No	8	0.0003515	0.0001371	37.5	None	No	0.004	NP (normality)
Cadmium (mg/L)	GN-AP-MW-20	0.0002	0.00008	0.005	No	8	0.0001666	0.00004828	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-10	0.00102	0.00025	0.1	No	8	0.0007356	0.0003925	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-11	0.00102	0.00065	0.1	No	8	0.0009266	0.0001483	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-12	0.00102	0.000278	0.1	No	8	0.0008485	0.000319	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-13	0.00102	0.00027	0.1	No	8	0.0007554	0.0003659	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-14	0.00102	0.000234	0.1	No	8	0.0007355	0.0003931	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-15R	0.00102	0.00027	0.1	No	8	0.0008071	0.0003302	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-16	0.00102	0.00021	0.1	No	8	0.0007436	0.0003829	62.5	None	No	0.004	NP (NDs)

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GN-AP-MW-17	0.00102	0.00028	0.1	No	8	0.0007621	0.0003568	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-18	0.00102	0.00024	0.1	No	8	0.0007455	0.0003797	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-19	0.00102	0.00024	0.1	No	8	0.0007445	0.0003808	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-20	0.00186	0.00029	0.1	No	8	0.0009537	0.00048	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-21	0.00102	0.00032	0.1	No	8	0.0008512	0.0003127	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-22	0.00102	0.00026	0.1	No	8	0.0007471	0.0003769	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-4	0.00102	0.00074	0.1	No	8	0.0009461	0.0001115	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-5	0.00102	0.000278	0.1	No	8	0.0007585	0.0003616	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-6	0.00102	0.000259	0.1	No	8	0.0007511	0.0003719	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-7	0.00102	0.00035	0.1	No	8	0.0007907	0.0003196	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-8	0.00102	0.00031	0.1	No	8	0.0007566	0.0003636	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-9	0.00102	0.00029	0.1	No	8	0.0007506	0.0003719	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-12	0.00022	0.000113	0.006	No	8	0.0001866	0.0000341	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-13	0.0002	0.00014	0.006	No	8	0.0001852	0.00002732	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-15R	0.0004	0.0002	0.006	No	8	0.0002527	0.00008084	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-16	0.00095	0.0002	0.006	No	8	0.0004161	0.000309	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-18	0.0016	0.0002	0.006	No	8	0.0005691	0.0005747	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-19	0.0002	0.0000907	0.006	No	8	0.0001713	0.00004532	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-21	0.00116	0.0002	0.006	No	8	0.0003467	0.0003341	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-22	0.000333	0.00015	0.006	No	8	0.0002241	0.00006283	62.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-5	0.0002	0.00009	0.006	No	8	0.0001733	0.00004951	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-8	0.0002	0.0000945	0.006	No	8	0.0001868	0.0000373	87.5	None	No	0.004	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-10	0.6563	0.2122	5	No	8	0.4343	0.2095	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-11	0.586	0.1091	5	No	8	0.3475	0.225	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-12	1.633	0.8892	5	No	8	1.261	0.3509	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-13	1.005	0.5371	5	No	8	0.7711	0.2208	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-14	1.135	0.2784	5	No	8	0.7068	0.4041	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-15R	1.72	0.7662	5	No	8	1.232	0.4957	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-16	4.393	3.019	5	No	8	3.706	0.6482	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-17	1.776	0.7191	5	No	8	1.247	0.4984	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-18	2.012	1.168	5	No	8	1.59	0.3983	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-19	1.226	0.2377	5	No	8	0.7316	0.466	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-20	15.7	1.49	5	No	8	13.27	4.875	0	None	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-21	0.9727	0.1133	5	No	8	0.543	0.4054	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-22	0.7609	0.2923	5	No	8	0.5266	0.2211	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-4	1.024	0.351	5	No	8	0.6878	0.3177	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-5	1.257	0.392	5	No	8	0.8246	0.4081	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-6	0.6316	0.3009	5	No	8	0.4663	0.156	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-7	0.8123	0.3574	5	No	8	0.5849	0.2146	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-8	0.6448	0.09974	5	No	8	0.3723	0.2571	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-9	1.037	0.2531	5	No	8	0.6303	0.3677	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-10	0.125	0.04	4	No	8	0.0923	0.03713	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-11	0.125	0.04	4	No	8	0.09284	0.0365	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-12	0.08041	0.04475	4	No	8	0.08599	0.03529	37.5	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-13	0.125	0.05	4	No	8	0.09459	0.03177	37.5	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-14	0.1358	0.08364	4	No	8	0.1097	0.02459	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-15R	0.1079	0.0798	4	No	8	0.09388	0.01328	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-16	0.1526	0.1008	4	No	8	0.1267	0.02447	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-17	0.2249	0.1528	4	No	8	0.1889	0.03401	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-18	0.125	0.0551	4	No	8	0.08121	0.02833	25	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-19	0.125	0.05	4	No	8	0.0809	0.03227	25	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-20	0.0753	0.05269	4	No	8	0.08681	0.03297	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-21	0.125	0.07	4	No	8	0.0957	0.02506	37.5	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-22	0.1053	0.06099	4	No	8	0.08316	0.02092	12.5	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-4	0.125	0.0506	4	No	8	0.1038	0.03068	62.5	None	No	0.004	NP (NDs)

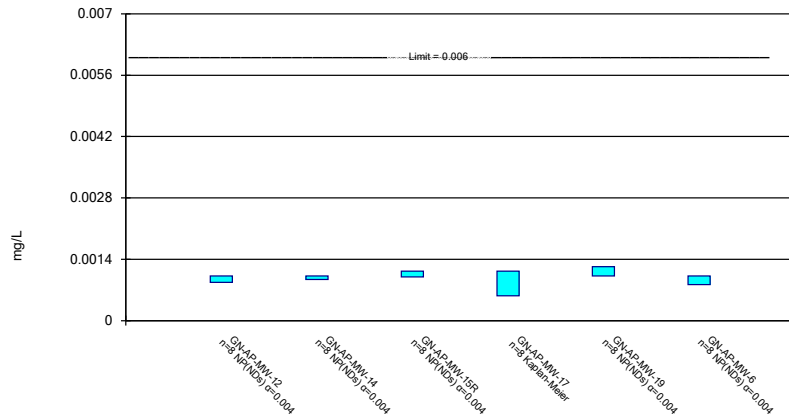
Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 7/15/2022, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GN-AP-MW-5	0.1031	0.04772	4	No	8	0.07539	0.02611	12.5	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-6	0.085	0.05316	4	No	8	0.09005	0.0316	37.5	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-7	0.125	0.05	4	No	8	0.0776	0.03186	25	None	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-8	0.1238	0.0846	4	No	8	0.1042	0.0185	0	None	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-9	0.1621	0.1187	4	No	8	0.1404	0.02049	0	None	No	0.01	Param.
Lead (mg/L)	GN-AP-MW-13	0.0002	0.000106	0.015	No	8	0.0001882	0.00003323	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-19	0.0002	0.00019	0.015	No	8	0.0001987	0.000003536	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-5	0.0002	0.0001	0.015	No	8	0.0001675	0.00004652	62.5	None	No	0.004	NP (NDs)
Lithium (mg/L)	GN-AP-MW-15R	0.1607	0.02488	0.04	No	8	0.0928	0.06407	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-16	0.1204	0.07942	0.04	Yes	8	0.09993	0.01935	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.004	0.6676	0.04	Yes	8	0.834	0.1604	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	GN-AP-MW-18	0.0509	0.04183	0.04	Yes	8	0.04641	0.004902	0	None	x^5	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1384	0.1149	0.04	Yes	8	0.1266	0.01108	0	None	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-5	0.04017	0.007015	0.04	No	8	0.02626	0.01472	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-6	0.02	0.0178	0.04	No	8	0.01972	0.0007778	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-10	0.01	0.00018	0.1	No	8	0.00633	0.005065	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-11	0.01	0.00026	0.1	No	8	0.006371	0.005008	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-12	0.01	0.0003	0.1	No	8	0.006374	0.005004	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-13	0.01	0.0003	0.1	No	8	0.006367	0.005014	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-14	0.01	0.000298	0.1	No	8	0.006417	0.004945	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-15R	0.3417	0.1195	0.1	Yes	8	0.2306	0.1048	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.267	0.1	Yes	8	0.3925	0.111	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.31	2.193	0.1	Yes	8	2.751	0.5271	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-18	0.0598	0.0192	0.1	No	8	0.03273	0.01685	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-19	0.01418	0.01217	0.1	No	8	0.01318	0.0009438	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-20	0.841	0.786	0.1	Yes	8	0.8135	0.02596	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-21	0.01558	0.007033	0.1	No	8	0.01131	0.004034	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-22	0.08079	0.04046	0.1	No	8	0.06063	0.01903	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-4	0.01	0.000137	0.1	No	8	0.006337	0.005055	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-5	0.294	0.0389	0.1	No	8	0.1422	0.1045	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-6	0.01693	0.009954	0.1	No	8	0.01344	0.003289	0	None	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-7	0.01	0.00021	0.1	No	8	0.006339	0.005053	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-8	0.01	0.00072	0.1	No	8	0.006586	0.004713	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-9	0.01	0.000821	0.1	No	8	0.00663	0.004652	62.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	GN-AP-MW-10	0.00102	0.00055	0.05	No	8	0.0009612	0.0001662	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-17	0.0002	0.00008	0.002	No	8	0.000185	0.00004243	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-18	0.0004604	0.0003549	0.002	No	8	0.0004076	0.00004979	0	None	No	0.01	Param.

Parametric and Non-Parametric (NP) Confidence Interval

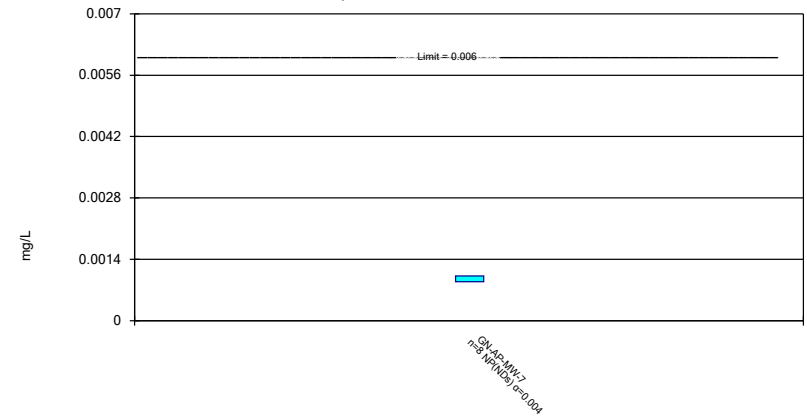
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Constituent: Antimony Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

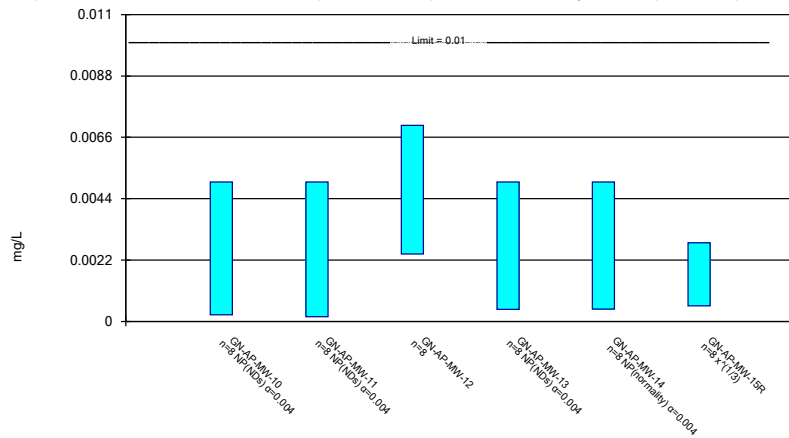
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Constituent: Antimony Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

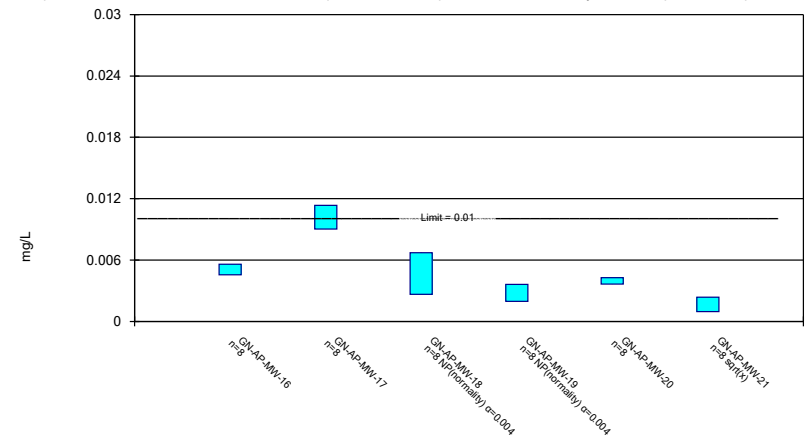
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Constituent: Arsenic Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

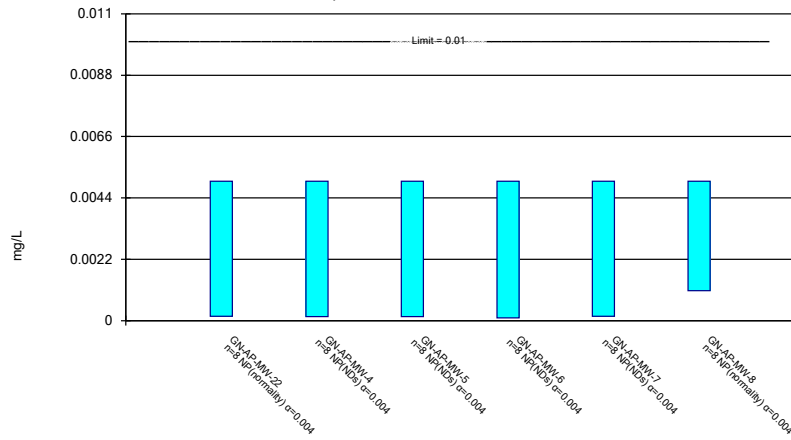
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Constituent: Arsenic Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

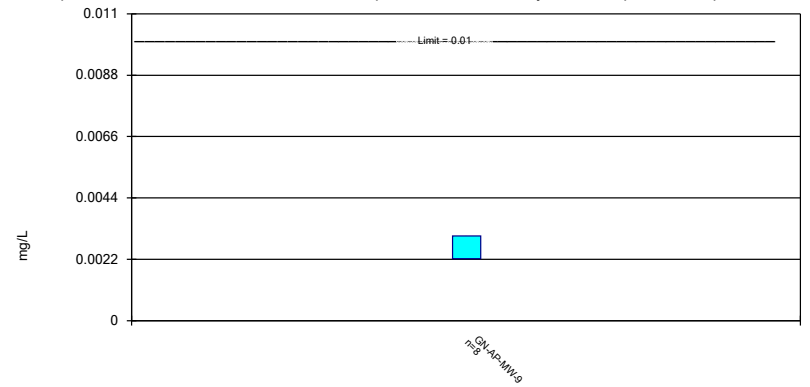
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

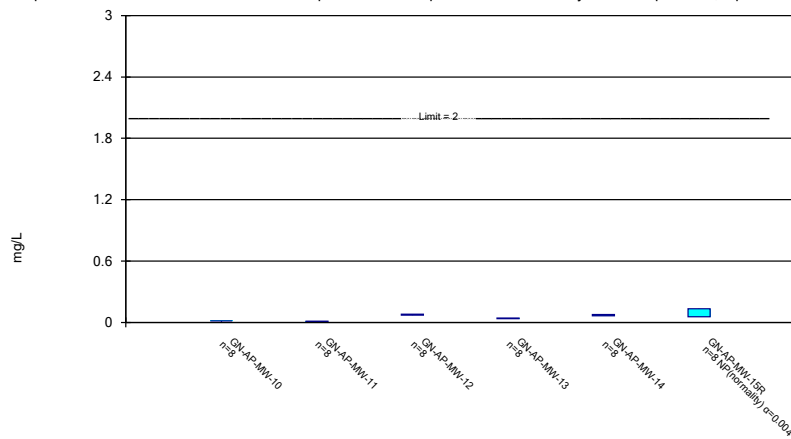
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

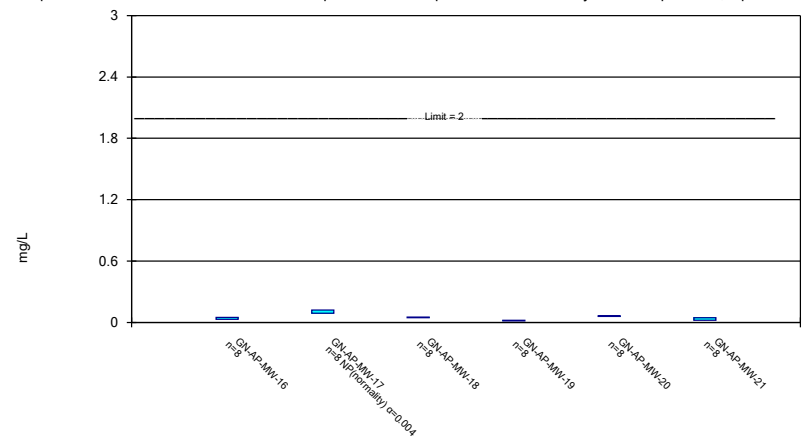
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Constituent: Barium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

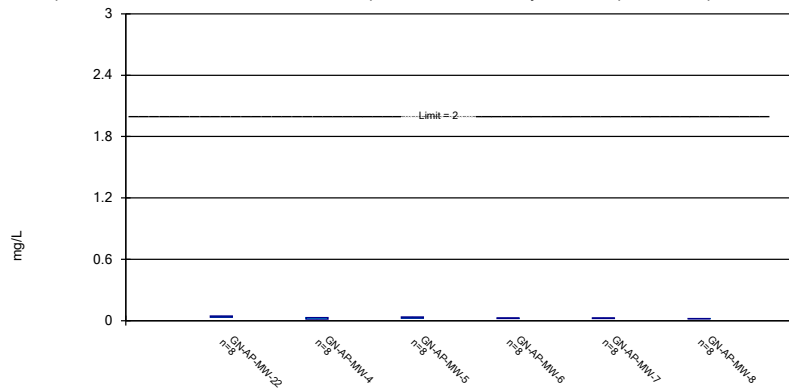
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Constituent: Barium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

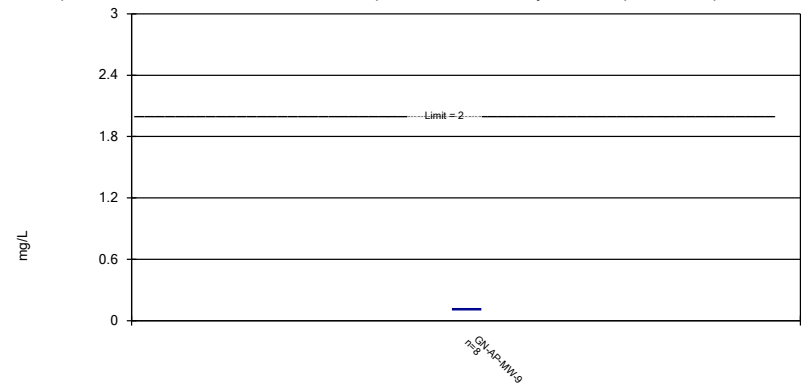
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Constituent: Barium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

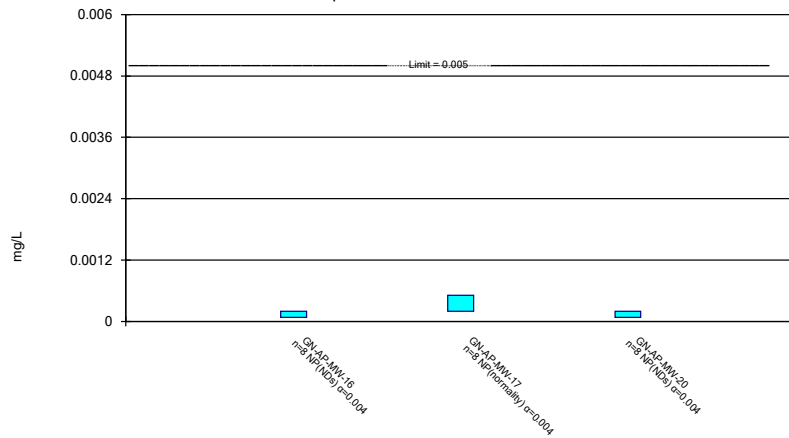
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Constituent: Barium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

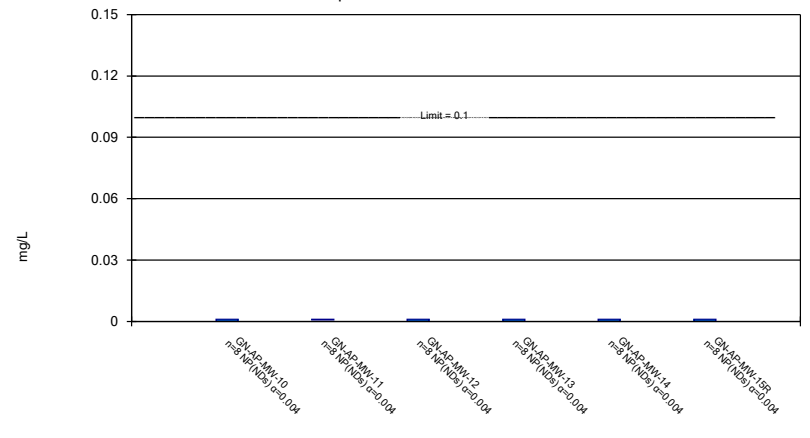
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Constituent: Cadmium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

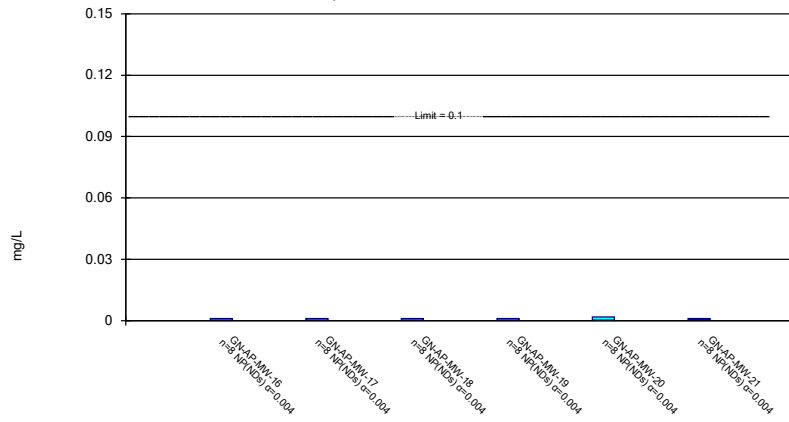
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Constituent: Chromium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

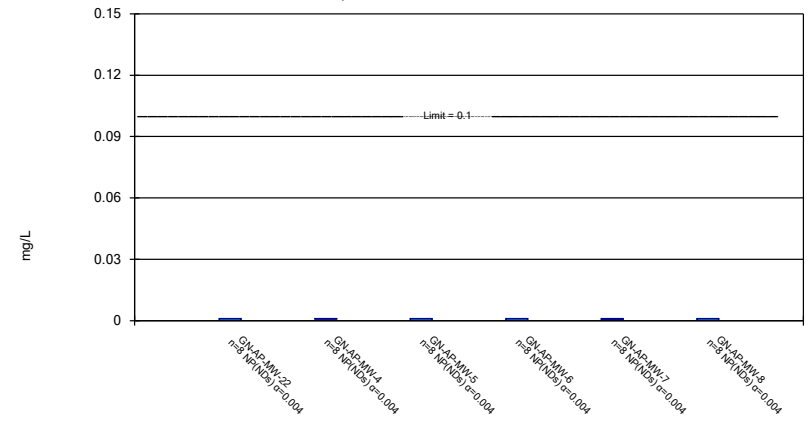
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Constituent: Chromium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

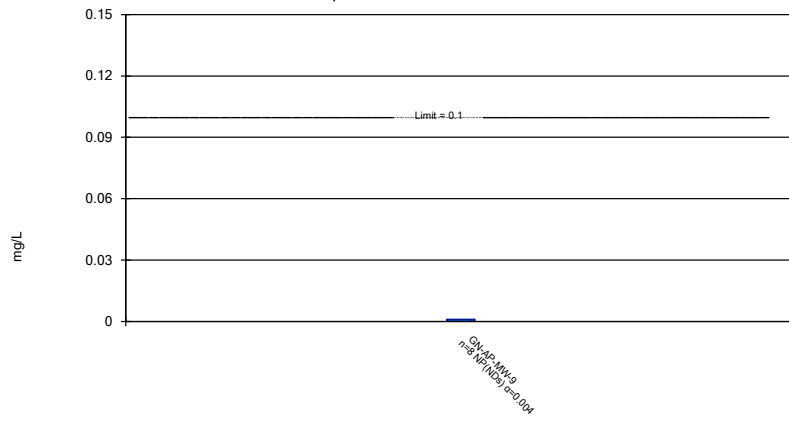
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Constituent: Chromium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

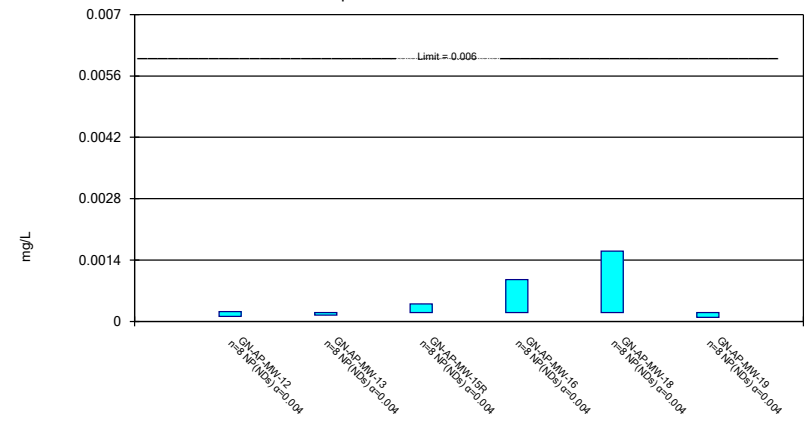
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Constituent: Chromium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

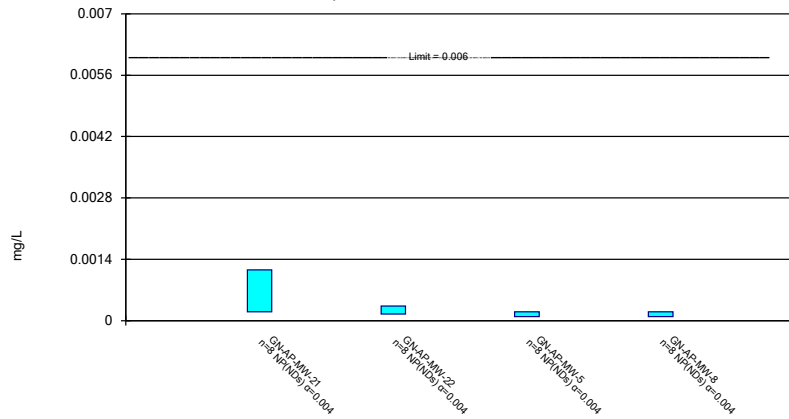
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Constituent: Cobalt Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

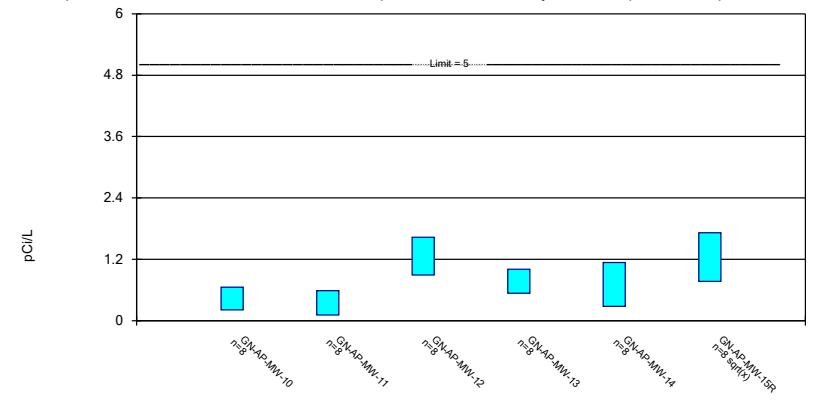
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Constituent: Cobalt Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

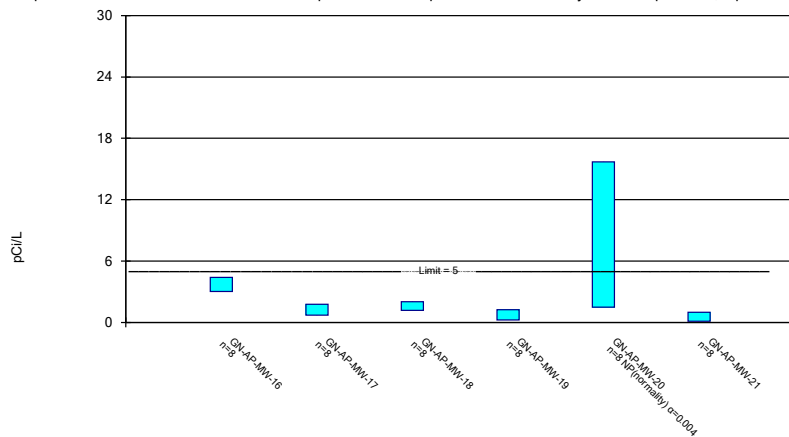
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Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

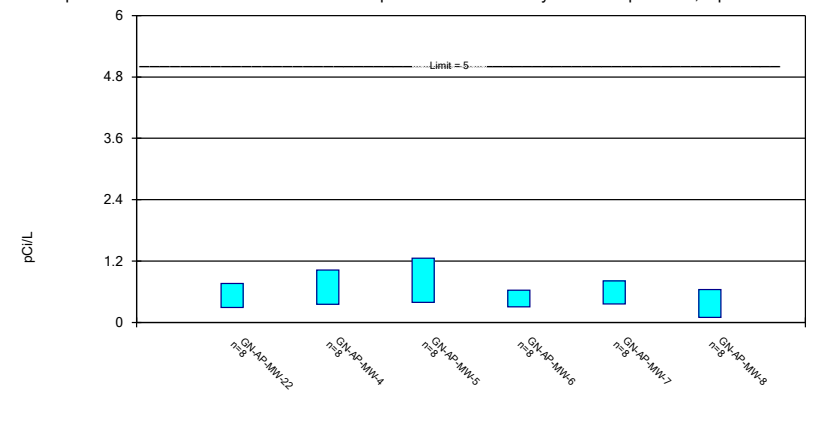
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Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

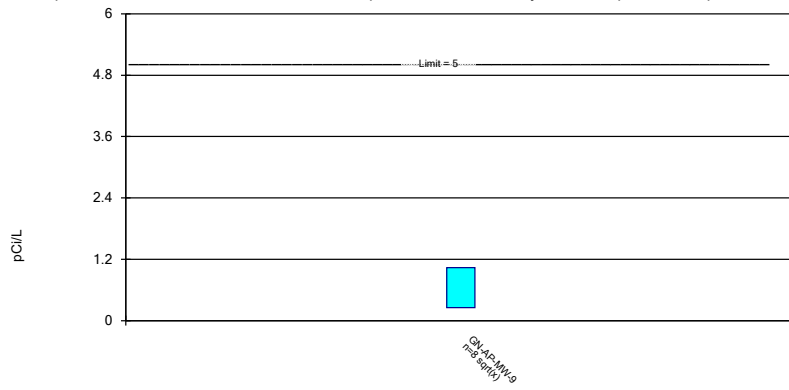
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Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

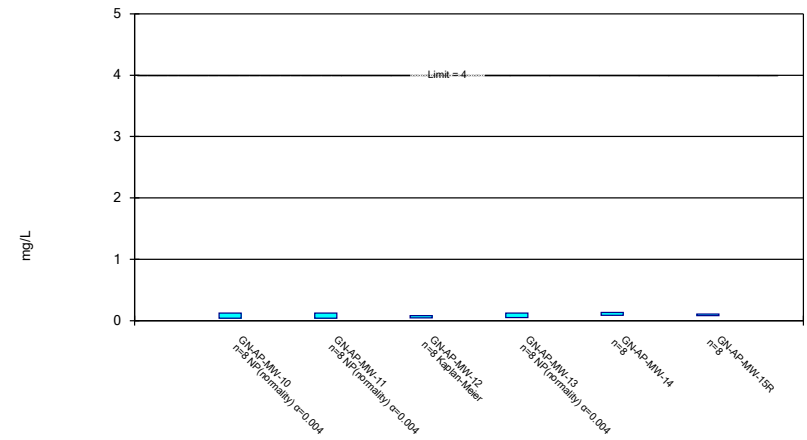
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

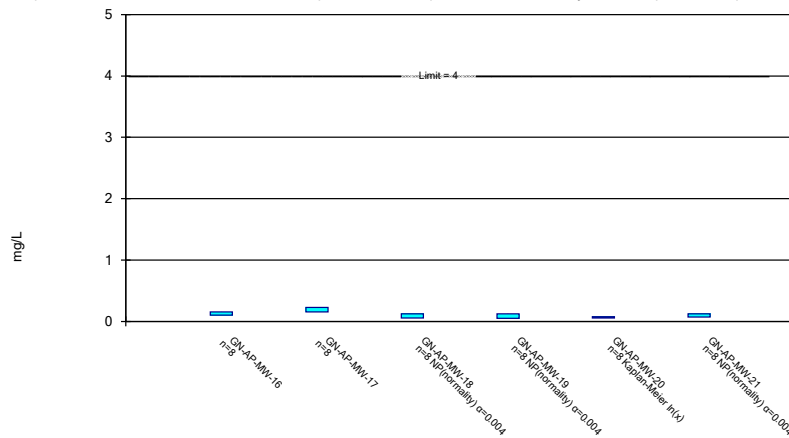
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

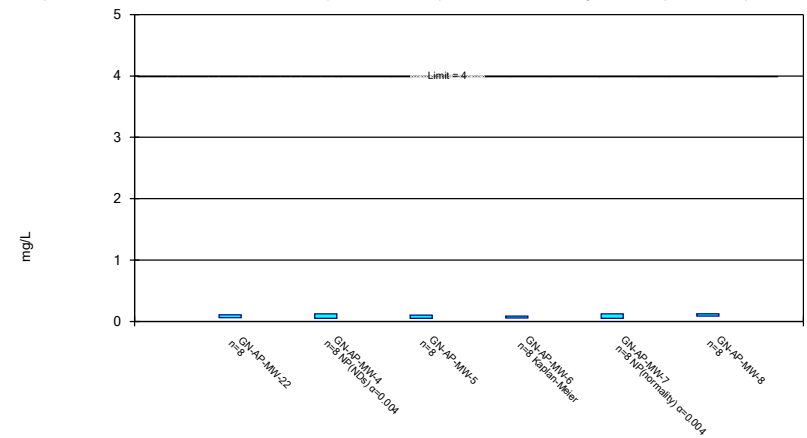
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

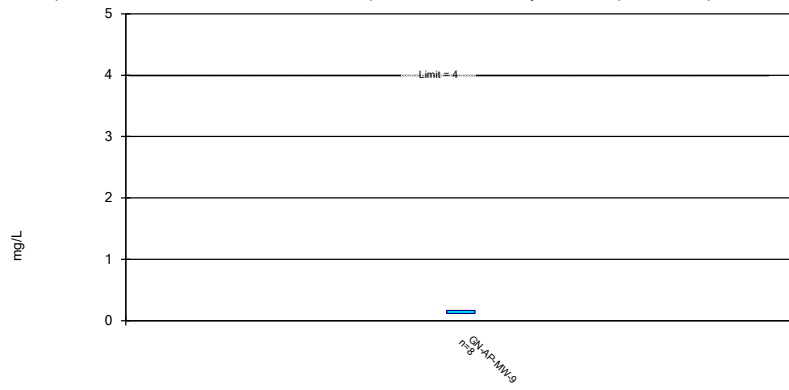
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

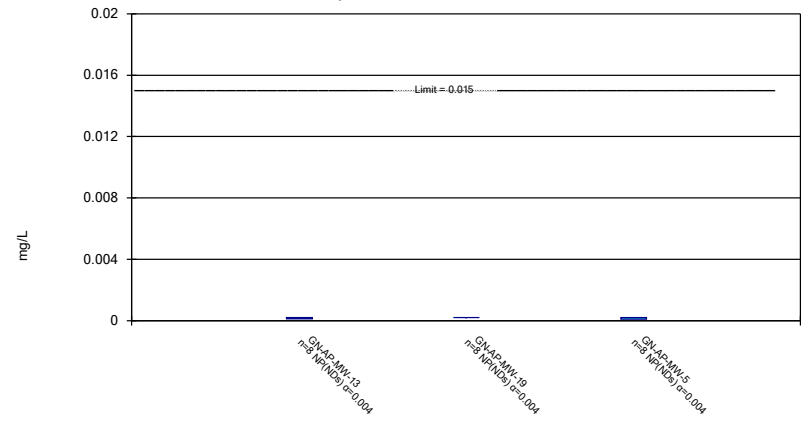
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

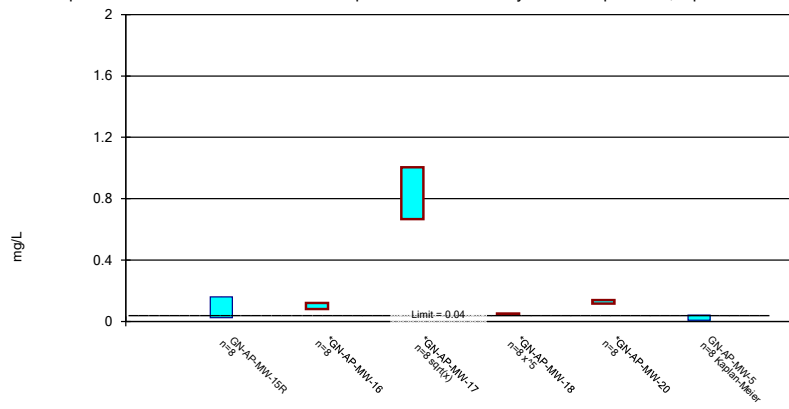
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

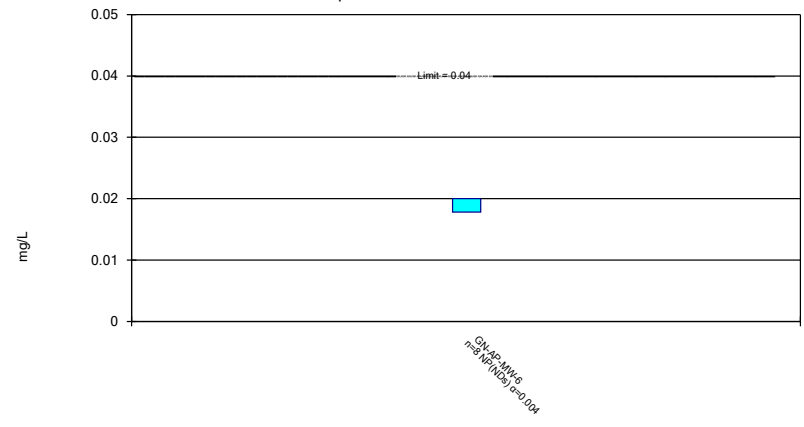
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

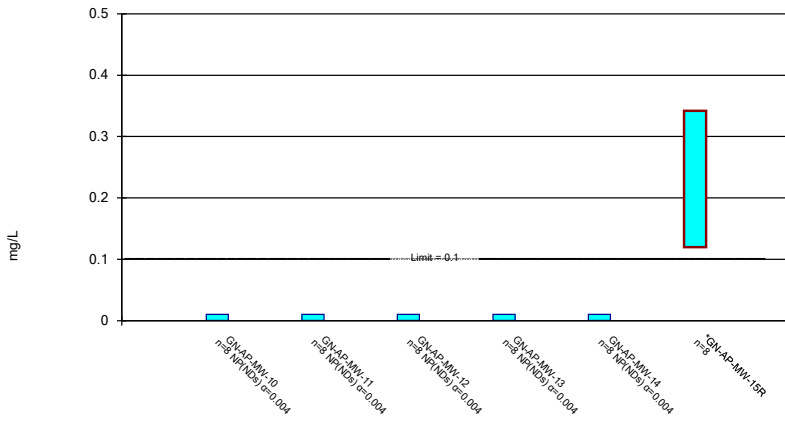
Compliance Limit is not exceeded.



Constituent: Lithium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

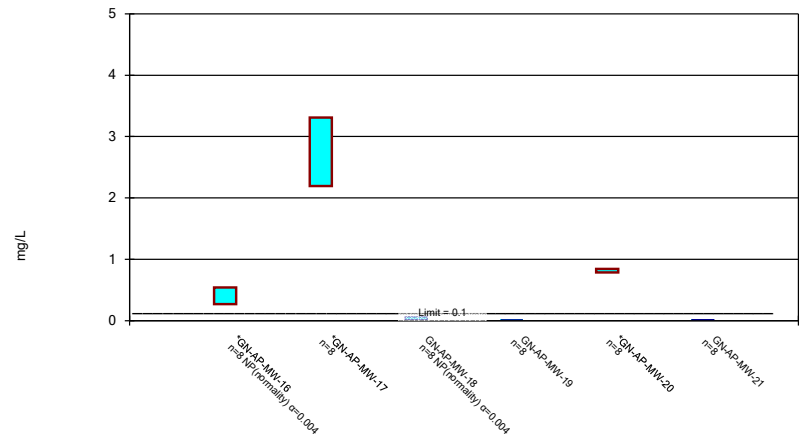
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

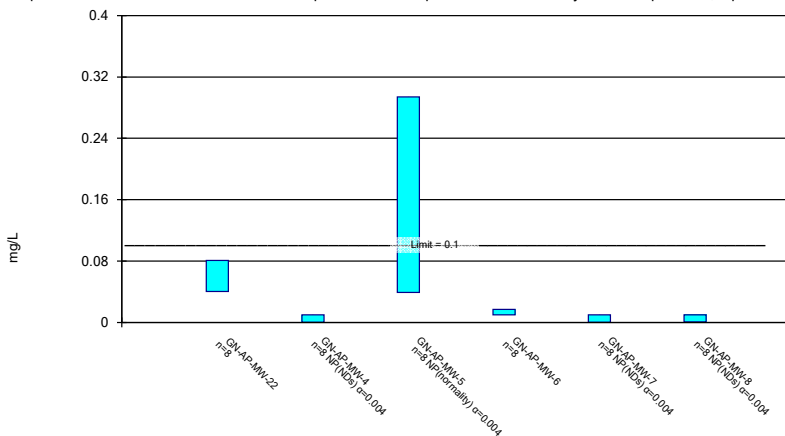
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

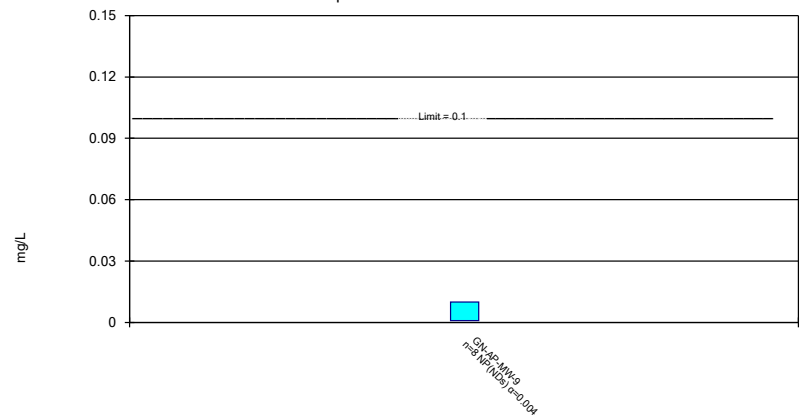
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

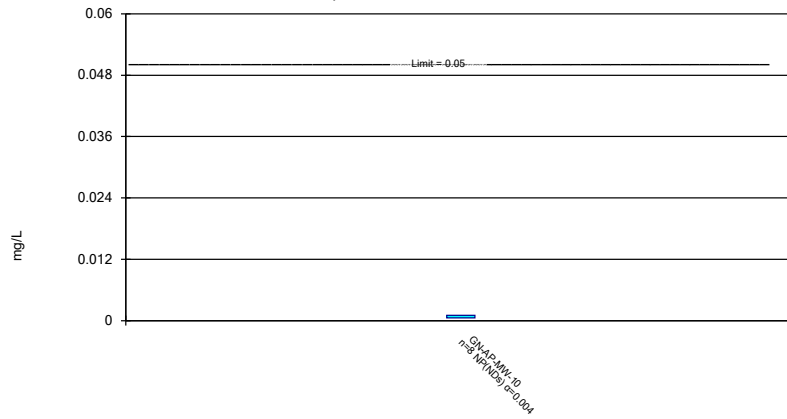
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 7/15/2022 2:45 PM View: Appendix IV
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

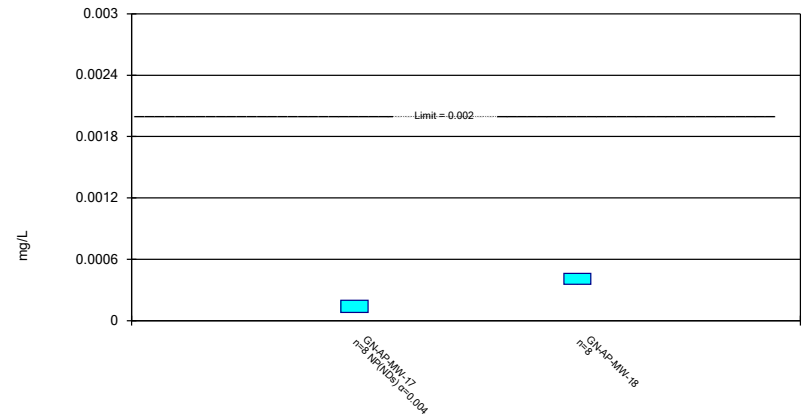
Compliance Limit is not exceeded.



Constituent: Selenium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston 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: Thallium Analysis Run 7/15/2022 2:45 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-12	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-17	GN-AP-MW-19	GN-AP-MW-6
10/1/2018				<0.00102		
10/2/2018					<0.00102	
10/4/2018	<0.00102					<0.00102
10/5/2018		<0.00102				
4/1/2019					0.00123 (J)	
4/2/2019						0.000819 (J)
4/3/2019	0.000871 (J)	0.000939 (J)	0.00113 (J)	0.00135 (J)		
5/7/2019			0.000998 (J)			
9/16/2019	<0.00102					
9/17/2019		<0.00102		<0.00102		
9/18/2019			<0.00102		<0.00102	<0.00102
2/18/2020	<0.00102				<0.00102	
2/19/2020		<0.00102				
2/25/2020			<0.00102			
2/26/2020				<0.00102		<0.00102
7/23/2020		<0.00102				
7/27/2020	<0.00102				<0.00102	
7/28/2020			<0.00102			<0.00102
7/29/2020				0.000845 (J)		
4/5/2021	<0.00102				<0.00102	
4/6/2021		<0.00102	<0.00102	0.000633 (J)		
4/7/2021						<0.00102
9/22/2021	<0.00102	<0.00102			<0.00102	
9/27/2021						<0.00102
9/28/2021			<0.00102			
9/29/2021				<0.00102		
4/19/2022					<0.00102	
4/20/2022				0.00068 (J)		
4/27/2022		<0.00102				
5/2/2022			<0.00102			
5/3/2022	<0.00102					<0.00102
Mean	0.001001	0.00101	0.001031	0.0009485	0.001046	0.0009949
Std. Dev.	5.268E-05	2.864E-05	4.074E-05	0.000228	7.425E-05	7.106E-05
Upper Lim.	0.00102	0.00102	0.00113	0.001126	0.00123	0.00102
Lower Lim.	0.000871	0.000939	0.000998	0.0005645	0.00102	0.000819

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-7
10/4/2018	<0.00102
4/2/2019	0.00089 (J)
9/18/2019	<0.00102
2/26/2020	<0.00102
7/28/2020	<0.00102
4/7/2021	<0.00102
9/27/2021	<0.00102
5/3/2022	<0.00102
Mean	0.001004
Std. Dev.	4.596E-05
Upper Lim.	0.00102
Lower Lim.	0.00089

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
10/2/2018	<0.005					
10/4/2018		<0.005	0.0081			
10/5/2018				<0.005	<0.005	
4/3/2019	<0.005	<0.005	0.00726	<0.005	<0.005	0.00207 (J)
5/7/2019						0.0016 (J)
9/16/2019	<0.005	<0.005	0.00538			
9/17/2019				<0.005	0.00108 (J)	
9/18/2019						<0.005
2/17/2020	<0.005	<0.005				
2/18/2020			0.00269 (J)			
2/19/2020				<0.005	<0.005	
2/25/2020						0.00129 (J)
7/22/2020	<0.005	<0.005				
7/23/2020					<0.005	
7/27/2020			0.0041 (J)	<0.005		
7/28/2020						0.00101 (J)
4/5/2021	0.000311	0.000237	0.00276			
4/6/2021				0.000661	0.000441	0.000767
9/21/2021	0.00024	0.00017 (J)				
9/22/2021			0.00529	0.00052	0.00057	
9/28/2021						0.00084
4/27/2022					0.00059	
5/2/2022	0.00024	0.00018 (J)		0.00043		0.00058
5/3/2022			0.00223			
Mean	0.003224	0.003198	0.004726	0.003326	0.002835	0.001645
Std. Dev.	0.002451	0.002487	0.002177	0.002311	0.002322	0.00144
Upper Lim.	0.005	0.005	0.007034	0.005	0.005	0.00282
Lower Lim.	0.00024	0.00017	0.002418	0.00043	0.000441	0.0005553

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
10/1/2018	0.00466 (J)	0.0118	0.00288 (J)		0.00372 (J)	
10/2/2018				0.00361 (J)		
10/4/2018						0.00309 (J)
4/1/2019				0.0024 (J)		
4/2/2019						0.00134 (J)
4/3/2019	0.00466 (J)	0.0106	0.0067		0.00398 (J)	
9/16/2019	0.00492 (J)					
9/17/2019		0.0109				
9/18/2019			0.00308 (J)	0.00322 (J)	0.00425 (J)	0.00239 (J)
2/18/2020				0.00196 (J)		
2/25/2020	0.00495 (J)		0.00265 (J)		0.0043 (J)	
2/26/2020		0.011				0.00116 (J)
7/22/2020			0.00331 (J)		0.00349 (J)	
7/27/2020				0.00221 (J)		
7/28/2020	0.00535					0.00166 (J)
7/29/2020		0.00947				
4/5/2021	0.00452			0.00228		
4/6/2021		0.00999	0.00272			
4/7/2021						0.00103
4/12/2021					0.00368	
9/22/2021				0.00221		
9/27/2021						0.00103
9/28/2021	0.00593		0.00416		0.00424	
9/29/2021		0.00941				
4/19/2022				0.00215		
4/20/2022		0.0084			0.00405	
4/26/2022			0.00281			
4/27/2022	0.00552					
5/3/2022						0.00141
Mean	0.005064	0.0102	0.003539	0.002505	0.003964	0.001639
Std. Dev.	0.0004922	0.001088	0.001366	0.0005844	0.0003032	0.0007351
Upper Lim.	0.005585	0.01135	0.0067	0.00361	0.004285	0.002368
Lower Lim.	0.004542	0.009043	0.00265	0.00196	0.003642	0.0009454

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
10/1/2018			<0.005			0.00188 (J)
10/3/2018		<0.005				
10/4/2018	<0.005			<0.005	<0.005	
4/1/2019						0.00177 (J)
4/2/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
9/17/2019		<0.005				0.00112 (J)
9/18/2019	0.00129 (J)		<0.005	<0.005	<0.005	
2/18/2020		<0.005				
2/25/2020						<0.005
2/26/2020	<0.005		<0.005	<0.005	<0.005	
7/27/2020		<0.005				
7/28/2020	<0.005		<0.005	<0.005	<0.005	
7/29/2020						0.00152 (J)
4/5/2021		0.000142 (J)				
4/6/2021						0.00108
4/7/2021	0.000184 (J)		0.000148 (J)	9.55E-05 (J)	0.000194 (J)	
9/21/2021						0.0012
9/27/2021	0.00017 (J)	0.00018 (J)	0.00016 (J)	0.00014 (J)	0.00019 (J)	
5/2/2022		0.00016 (J)				0.00107
5/3/2022	0.00015 (J)		0.00015 (J)	0.00015 (J)	0.00016 (J)	
Mean	0.002724	0.003185	0.003182	0.003173	0.003193	0.00183
Std. Dev.	0.00246	0.002505	0.002509	0.002521	0.002494	0.00132
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00015	0.000142	0.000148	9.55E-05	0.00016	0.00107

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
10/1/2018	0.00275 (J)
4/1/2019	0.00269 (J)
9/17/2019	0.00324 (J)
2/17/2020	0.00246 (J)
7/29/2020	0.00222 (J)
4/5/2021	0.00234
9/21/2021	0.00308
5/2/2022	0.00225
Mean	0.002629
Std. Dev.	0.0003814
Upper Lim.	0.003033
Lower Lim.	0.002225

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
10/2/2018	0.0124					
10/4/2018		0.00817 (J)	0.0667			
10/5/2018				0.0336	0.0776	
4/3/2019	0.0137	0.00993 (J)	0.073	0.0363	0.0619	0.134
5/7/2019						0.0774
9/16/2019	0.0135	0.00956 (J)	0.0819			
9/17/2019				0.0396	0.0745	
9/18/2019						0.0799
2/17/2020	0.0127	0.0088 (J)				
2/18/2020			0.0726			
2/19/2020				0.0381	0.0653	
2/25/2020						0.0693
7/22/2020	0.0141	0.0082 (J)				
7/23/2020					0.0686	
7/27/2020			0.077	0.0395		
7/28/2020						0.0635
4/5/2021	0.0142	0.00832	0.0751			
4/6/2021				0.0389	0.0659	0.0541
9/21/2021	0.0129	0.00893				
9/22/2021			0.0815	0.0444	0.0739	
9/28/2021						0.0615
4/27/2022					0.0763	
5/2/2022	0.0132	0.00954		0.0414		0.0561
5/3/2022			0.0752			
Mean	0.01334	0.008931	0.07538	0.03898	0.0705	0.07448
Std. Dev.	0.0006523	0.0006833	0.004949	0.003225	0.005823	0.02577
Upper Lim.	0.01403	0.009656	0.08062	0.04239	0.07667	0.134
Lower Lim.	0.01265	0.008207	0.07013	0.03556	0.06433	0.0541

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
10/1/2018	0.0295	0.0898	0.0424		0.061	
10/2/2018				0.0186		
10/4/2018						0.0314
4/1/2019				0.0188		
4/2/2019						0.0146
4/3/2019	0.0335	0.105	0.045		0.0599	
9/16/2019	0.0393					
9/17/2019		0.12				
9/18/2019			0.0524	0.0211	0.0651	0.0362
2/18/2020				0.0163		
2/25/2020	0.0353		0.0474		0.0595	
2/26/2020		0.105				0.0339
7/22/2020			0.05		0.0612	
7/27/2020				0.0165		
7/28/2020	0.0355					0.0223
7/29/2020		0.0978				
4/5/2021	0.0421			0.0149		
4/6/2021		0.119	0.0483			
4/7/2021						0.0375
4/12/2021					0.0589	
9/22/2021				0.0162		
9/27/2021						0.0408
9/28/2021	0.051		0.0525		0.0603	
9/29/2021		0.119				
4/19/2022				0.0141		
4/20/2022		0.12			0.0554	
4/26/2022			0.0515			
4/27/2022	0.0514					
5/3/2022						0.0497
Mean	0.0397	0.1095	0.04869	0.01706	0.06016	0.0333
Std. Dev.	0.008018	0.01175	0.003643	0.002292	0.002698	0.01086
Upper Lim.	0.0482	0.12	0.05255	0.01949	0.06302	0.04481
Lower Lim.	0.0312	0.0898	0.04483	0.01463	0.0573	0.02179

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
10/1/2018			0.0298			0.0168
10/3/2018		0.0296				
10/4/2018	0.0353			0.0189	0.0265	
4/1/2019						0.0209
4/2/2019	0.0471	0.0254	0.0371	0.0243	0.0236	
9/17/2019		0.0344				0.0202
9/18/2019	0.0458		0.0335	0.023	0.029	
2/18/2020		0.0185				
2/25/2020						0.0168
2/26/2020	0.0439		0.0231	0.0254	0.0261	
7/27/2020		0.0207				
7/28/2020	0.0406		0.0332	0.026	0.0248	
7/29/2020						0.0206
4/5/2021		0.0151				
4/6/2021						0.018
4/7/2021	0.0352		0.027	0.0211	0.0245	
9/21/2021						0.0179
9/27/2021	0.036	0.0155	0.0266	0.0223	0.0218	
5/2/2022		0.0153				0.0188
5/3/2022	0.0276		0.0219	0.0232	0.0191	
Mean	0.03894	0.02181	0.02903	0.02303	0.02443	0.01875
Std. Dev.	0.006606	0.007285	0.005333	0.002311	0.003026	0.001649
Upper Lim.	0.04594	0.02953	0.03468	0.02547	0.02763	0.0205
Lower Lim.	0.03194	0.01409	0.02337	0.02058	0.02122	0.017

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
10/1/2018	0.118
4/1/2019	0.105
9/17/2019	0.118
2/17/2020	0.109
7/29/2020	0.105
4/5/2021	0.104
9/21/2021	0.114
5/2/2022	0.114
Mean	0.1109
Std. Dev.	0.005866
Upper Lim.	0.1171
Lower Lim.	0.1047

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-20
10/1/2018	<0.0002	0.000491 (J)	<0.0002
4/3/2019	<0.0002	0.00051 (J)	<0.0002
9/16/2019	<0.0002		
9/17/2019		<0.0002	
9/18/2019			<0.0002
2/25/2020	<0.0002		<0.0002
2/26/2020		<0.0002	
7/22/2020			<0.0002
7/28/2020	<0.0002		
7/29/2020		<0.0002	
4/5/2021	9.99E-05 (J)		
4/6/2021		0.000391	
4/12/2021			0.000123 (J)
9/28/2021	<0.0002		8E-05 (J)
9/29/2021		0.00034	
4/20/2022		0.00048	0.00013 (J)
4/27/2022	8E-05 (J)		
Mean	0.0001725	0.0003515	0.0001666
Std. Dev.	5.122E-05	0.0001371	4.828E-05
Upper Lim.	0.0002	0.00051	0.0002
Lower Lim.	8E-05	0.0002	8E-05

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
10/2/2018	<0.00102					
10/4/2018		<0.00102	<0.00102			
10/5/2018				<0.00102	<0.00102	
4/3/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102
5/7/2019						<0.00102
9/16/2019	<0.00102	<0.00102	<0.00102			
9/17/2019				<0.00102	<0.00102	
9/18/2019						<0.00102
2/17/2020	<0.00102	<0.00102				
2/18/2020			<0.00102			
2/19/2020				<0.00102	<0.00102	
2/25/2020						<0.00102
7/22/2020	<0.00102	<0.00102				
7/23/2020					<0.00102	
7/27/2020			<0.00102	<0.00102		
7/28/2020						<0.00102
4/5/2021	0.000275 (J)	0.000743 (J)	0.000278 (J)			
4/6/2021				0.000353 (J)	0.000234 (J)	0.000777 (J)
9/21/2021	0.00025 (J)	0.00092 (J)				
9/22/2021			0.00039 (J)	0.00032 (J)	0.0003 (J)	
9/28/2021						0.00031 (J)
4/27/2022					0.00025 (J)	
5/2/2022	0.00026 (J)	0.00065 (J)		0.00027 (J)		0.00027 (J)
5/3/2022			<0.00102			
Mean	0.0007356	0.0009266	0.0008485	0.0007554	0.0007355	0.0008071
Std. Dev.	0.0003925	0.0001483	0.000319	0.0003659	0.0003931	0.0003302
Upper Lim.	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102
Lower Lim.	0.00025	0.00065	0.000278	0.00027	0.000234	0.00027

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
10/1/2018	<0.00102	<0.00102	<0.00102		<0.00102	
10/2/2018				<0.00102		
10/4/2018						<0.00102
4/1/2019				<0.00102		
4/2/2019						<0.00102
4/3/2019	<0.00102	<0.00102	<0.00102		<0.00102	
9/16/2019	<0.00102					
9/17/2019		<0.00102				
9/18/2019			<0.00102	<0.00102	<0.00102	<0.00102
2/18/2020				<0.00102		
2/25/2020	<0.00102		<0.00102		<0.00102	
2/26/2020		<0.00102				<0.00102
7/22/2020			<0.00102		<0.00102	
7/27/2020				<0.00102		
7/28/2020	<0.00102					<0.00102
7/29/2020		<0.00102				
4/5/2021	0.000319 (J)			0.000316 (J)		
4/6/2021		0.000347 (J)	0.000334 (J)			
4/7/2021						0.00032 (J)
4/12/2021					0.00038 (J)	
9/22/2021				0.00024 (J)		
9/27/2021						0.00037 (J)
9/28/2021	0.00032 (J)		0.00029 (J)		0.00029 (J)	
9/29/2021		0.00028 (J)				
4/19/2022				0.0003 (J)		
4/20/2022		0.00037 (J)			0.00186	
4/26/2022			0.00024 (J)			
4/27/2022	0.00021 (J)					
5/3/2022						<0.00102
Mean	0.0007436	0.0007621	0.0007455	0.0007445	0.0009537	0.0008512
Std. Dev.	0.0003829	0.0003568	0.0003797	0.0003808	0.00048	0.0003127
Upper Lim.	0.00102	0.00102	0.00102	0.00102	0.00186	0.00102
Lower Lim.	0.00021	0.00028	0.00024	0.00024	0.00029	0.00032

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
10/1/2018			<0.00102			<0.00102
10/3/2018		<0.00102				
10/4/2018	<0.00102			<0.00102	<0.00102	
4/1/2019						<0.00102
4/2/2019	<0.00102	<0.00102	<0.00102	<0.00102	<0.00102	
9/17/2019		<0.00102				<0.00102
9/18/2019	<0.00102		<0.00102	<0.00102	<0.00102	
2/18/2020		<0.00102				
2/25/2020						<0.00102
2/26/2020	<0.00102		<0.00102	<0.00102	<0.00102	
7/27/2020		<0.00102				
7/28/2020	<0.00102		<0.00102	<0.00102	<0.00102	
7/29/2020						<0.00102
4/5/2021		0.000909 (J)				
4/6/2021						0.000333 (J)
4/7/2021	0.000307 (J)		0.000278 (J)	0.000259 (J)	0.000506 (J)	
9/21/2021						0.00031 (J)
9/27/2021	0.00031 (J)	0.00082 (J)	0.00036 (J)	0.00035 (J)	0.00037 (J)	
5/2/2022		0.00074 (J)				0.00031 (J)
5/3/2022	0.00026 (J)		0.00033 (J)	0.0003 (J)	0.00035 (J)	
Mean	0.0007471	0.0009461	0.0007585	0.0007511	0.0007907	0.0007566
Std. Dev.	0.0003769	0.0001115	0.0003616	0.0003719	0.0003196	0.0003636
Upper Lim.	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102
Lower Lim.	0.00026	0.00074	0.000278	0.000259	0.00035	0.00031

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
10/1/2018	<0.00102
4/1/2019	<0.00102
9/17/2019	<0.00102
2/17/2020	<0.00102
7/29/2020	<0.00102
4/5/2021	0.000295 (J)
9/21/2021	0.00032 (J)
5/2/2022	0.00029 (J)
Mean	0.0007506
Std. Dev.	0.0003719
Upper Lim.	0.00102
Lower Lim.	0.00029

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-18	GN-AP-MW-19
10/1/2018				<0.0002	<0.0002	
10/2/2018						<0.0002
10/4/2018	<0.0002					
10/5/2018		<0.0002				
4/1/2019						<0.0002
4/3/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
5/7/2019			<0.0002			
9/16/2019	<0.0002			<0.0002		
9/17/2019		<0.0002				
9/18/2019			<0.0002		<0.0002	<0.0002
2/18/2020	<0.0002					<0.0002
2/19/2020		<0.0002				
2/25/2020			<0.0002	<0.0002	<0.0002	
7/22/2020					<0.0002	
7/27/2020	<0.0002	<0.0002				<0.0002
7/28/2020			<0.0002	<0.0002		
4/5/2021	0.000113 (J)			0.000679		9.07E-05 (J)
4/6/2021		0.000142 (J)	0.000352		0.000633	
9/22/2021	0.00016 (J)	<0.0002				0.00011 (J)
9/28/2021			0.0004	0.00095	0.00132	
4/19/2022						0.00017 (J)
4/26/2022					0.0016	
4/27/2022				0.0007		
5/2/2022		0.00014 (J)	0.00027			
5/3/2022	0.00022					
Mean	0.0001866	0.0001852	0.0002527	0.0004161	0.0005691	0.0001713
Std. Dev.	3.41E-05	2.732E-05	8.084E-05	0.000309	0.0005747	4.532E-05
Upper Lim.	0.00022	0.0002	0.0004	0.00095	0.0016	0.0002
Lower Lim.	0.000113	0.00014	0.0002	0.0002	0.0002	9.07E-05

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-5	GN-AP-MW-8
10/1/2018			<0.0002	<0.0002
10/4/2018	<0.0002	<0.0002		
4/1/2019				<0.0002
4/2/2019	<0.0002	<0.0002	<0.0002	
9/17/2019				<0.0002
9/18/2019	<0.0002	<0.0002	<0.0002	
2/25/2020				<0.0002
2/26/2020	<0.0002	<0.0002	<0.0002	
7/28/2020	<0.0002	<0.0002	<0.0002	
7/29/2020				<0.0002
4/6/2021				9.45E-05 (J)
4/7/2021	0.000374	0.000333	9.62E-05 (J)	
9/21/2021				<0.0002
9/27/2021	0.00024	0.00031	<0.0002	
5/2/2022				<0.0002
5/3/2022	0.00116	0.00015 (J)	9E-05 (J)	
Mean	0.0003467	0.0002241	0.0001733	0.0001868
Std. Dev.	0.0003341	6.283E-05	4.951E-05	3.73E-05
Upper Lim.	0.00116	0.000333	0.0002	0.0002
Lower Lim.	0.0002	0.00015	9E-05	9.45E-05

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
10/2/2018	0.613					
10/4/2018		0.703	1.5			
10/5/2018				1.04	0.955	
4/3/2019	0.26 (U)	0.2 (U)	0.669	0.577	0.189 (U)	1.16
5/7/2019						1.36
9/16/2019	0.307 (U)	0.507 (U)	1.04			
9/17/2019				0.958 (U)	0.558 (U)	
9/18/2019						0.94
2/17/2020	0.379 (U)	0.568				
2/18/2020			1.34			
2/19/2020				0.702	0.404 (U)	
2/25/2020						0.669
7/22/2020	0.185 (U)	0.24 (U)				
7/23/2020					1.48	
7/27/2020			1.85	0.986		
7/28/2020						2.35
4/5/2021	0.579 (U)	0.13 (U)	1.2			
4/6/2021				0.66 (U)	0.875 (U)	1.2
9/21/2021	0.802 (U)	0.0771 (U)				
9/22/2021			1.4	0.834 (U)	0.44 (U)	
9/28/2021						1.04 (U)
4/27/2022					0.753 (U)	
5/2/2022	0.349 (U)	0.355 (U)		0.412 (U)		1.14 (U)
5/3/2022			1.09 (U)			
Mean	0.4343	0.3475	1.261	0.7711	0.7068	1.232
Std. Dev.	0.2095	0.225	0.3509	0.2208	0.4041	0.4957
Upper Lim.	0.6563	0.586	1.633	1.005	1.135	1.72
Lower Lim.	0.2122	0.1091	0.8892	0.5371	0.2784	0.7662

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
10/1/2018	2.91	0.793	1.54		15.7	
10/2/2018				0.854		
10/4/2018						1.05
4/1/2019				0.263 (U)		
4/2/2019						0.182 (U)
4/3/2019	3.43	0.907	1.49		13.8	
9/16/2019	3.55					
9/17/2019		2.09				
9/18/2019			1.25	0.29 (U)	15.7	0.435 (U)
2/18/2020				0.779		
2/25/2020	2.99		1.13		12.9	
2/26/2020		1.35				0.032 (U)
7/22/2020			2.35		15.6	
7/27/2020				1.68		
7/28/2020	3.49					0.275 (U)
7/29/2020		1.85				
4/5/2021	4.28			0.959 (U)		
4/6/2021		0.689 (U)	1.68			
4/7/2021						1.12 (U)
4/12/2021					15.6	
9/22/2021				0.368 (U)		
9/27/2021						0.815 (U)
9/28/2021	4.67		1.94		15.4	
9/29/2021		1.18				
4/19/2022				0.66 (U)		
4/20/2022		1.12 (U)			1.49	
4/26/2022			1.34			
4/27/2022	4.33					
5/3/2022						0.435 (U)
Mean	3.706	1.247	1.59	0.7316	13.27	0.543
Std. Dev.	0.6482	0.4984	0.3983	0.466	4.875	0.4054
Upper Lim.	4.393	1.776	2.012	1.226	15.7	0.9727
Lower Lim.	3.019	0.7191	1.168	0.2377	1.49	0.1133

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
10/1/2018			0.651			0.601
10/3/2018		1.23				
10/4/2018	0.568			0.558	0.971	
4/1/2019						-0.0724 (U)
4/2/2019	0.503	0.427	0.245 (U)	0.369	0.326 (U)	
9/17/2019		0.767				0.645
9/18/2019	0.165 (U)		0.435 (U)	0.586	0.56 (U)	
2/18/2020		0.231 (U)				
2/25/2020						0.362 (U)
2/26/2020	0.693		0.661	0.746	0.512 (U)	
7/27/2020		0.97 (U)				
7/28/2020	0.41 (U)		0.907 (U)	0.292 (U)	0.652 (U)	
7/29/2020						0.398 (U)
4/5/2021		0.474 (U)				
4/6/2021						0.53 (U)
4/7/2021	0.365 (U)		1.4	0.387 (U)	0.743 (U)	
9/21/2021						0.0496 (U)
9/27/2021	0.892 (U)	0.745 (U)	1.34	0.314 (U)	0.319 (U)	
5/2/2022		0.658 (U)				0.465 (U)
5/3/2022	0.617 (U)		0.958 (U)	0.478 (U)	0.596 (U)	
Mean	0.5266	0.6878	0.8246	0.4663	0.5849	0.3723
Std. Dev.	0.2211	0.3177	0.4081	0.156	0.2146	0.2571
Upper Lim.	0.7609	1.024	1.257	0.6316	0.8123	0.6448
Lower Lim.	0.2923	0.351	0.392	0.3009	0.3574	0.09974

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
10/1/2018	1.07
4/1/2019	0.334
9/17/2019	0.194 (U)
2/17/2020	0.38 (U)
7/29/2020	0.28 (U)
4/5/2021	0.843 (U)
9/21/2021	1.05 (U)
5/2/2022	0.891
Mean	0.6303
Std. Dev.	0.3677
Upper Lim.	1.037
Lower Lim.	0.2531

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
10/2/2018	0.04 (J)					
10/4/2018		0.04 (J)	0.04 (J)			
10/5/2018				0.05 (J)	0.1	
4/3/2019	<0.125	<0.125	<0.125	<0.125	0.106	0.104
5/7/2019						0.0937 (J)
9/16/2019	<0.125	<0.125	0.0538 (J)			
9/17/2019				0.0753 (J)	0.116	
9/18/2019						0.094 (J)
2/17/2020	0.051 (J)	0.0546 (J)				
2/18/2020			0.0571 (J)			
2/19/2020				0.06 (J)	0.122	
2/25/2020						0.0995 (J)
7/22/2020	<0.125	<0.125				
7/23/2020					0.0954 (J)	
7/27/2020			<0.125	<0.125		
7/28/2020						0.0738 (J)
4/5/2021	0.0627 (J)	0.0634 (J)	0.0733 (J)			
4/6/2021				0.0794 (J)	0.124	0.116
9/21/2021	0.0847 (J)	0.0847 (J)				
9/22/2021			0.0887 (J)	0.117	0.149	
9/28/2021						0.09 (J)
4/27/2022					0.0652 (J)	
5/2/2022	<0.125	<0.125		<0.125		0.08 (J)
5/3/2022			<0.125			
Mean	0.0923	0.09284	0.08599	0.09459	0.1097	0.09388
Std. Dev.	0.03713	0.0365	0.03529	0.03177	0.02459	0.01328
Upper Lim.	0.125	0.125	0.08041	0.125	0.1358	0.1079
Lower Lim.	0.04	0.04	0.04475	0.05	0.08364	0.0798

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
10/1/2018	0.15	0.25	0.06 (J)		0.05 (J)	
10/2/2018				0.05 (J)		
10/4/2018						0.07 (J)
4/1/2019				0.0563 (J)		
4/2/2019						<0.125
4/3/2019	0.12	0.182	0.0678 (J)		0.0657 (J)	
9/16/2019	0.126					
9/17/2019		0.187				
9/18/2019			0.0551 (J)	0.0507 (J)	<0.125	0.0749 (J)
2/18/2020				0.0557 (J)		
2/25/2020	0.133		0.0701 (J)		0.0566 (J)	
2/26/2020		0.189				0.0804 (J)
7/22/2020			0.0628 (J)		<0.125	
7/27/2020				<0.125		
7/28/2020	0.124					<0.125
7/29/2020		0.185				
4/5/2021	0.159			0.088 (J)		
4/6/2021		0.179	<0.125			
4/7/2021						0.0739 (J)
4/12/2021					0.0644 (J)	
9/22/2021				0.0965 (J)		
9/27/2021						0.0914 (J)
9/28/2021	0.125		0.0839 (J)		0.0828 (J)	
9/29/2021		0.211				
4/19/2022				<0.125		
4/20/2022		0.128			<0.125	
4/26/2022			<0.125			
4/27/2022	0.0766 (J)					
5/3/2022						<0.125
Mean	0.1267	0.1889	0.08121	0.0809	0.08681	0.0957
Std. Dev.	0.02447	0.03401	0.02833	0.03227	0.03297	0.02506
Upper Lim.	0.1526	0.2249	0.125	0.125	0.0753	0.125
Lower Lim.	0.1008	0.1528	0.0551	0.05	0.05269	0.07

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
10/1/2018			0.05 (J)			0.12
10/3/2018		<0.125				
10/4/2018	0.08 (J)			0.05 (J)	0.05 (J)	
4/1/2019						0.0956 (J)
4/2/2019	0.0613 (J)	<0.125	0.0555 (J)	0.0586 (J)	0.052 (J)	
9/17/2019		<0.125				0.0971 (J)
9/18/2019	0.065 (J)		0.0568 (J)	0.0634 (J)	0.0578 (J)	
2/18/2020		0.0506 (J)				
2/25/2020						0.0898 (J)
2/26/2020	0.0687 (J)		0.0647 (J)	<0.125	0.0523 (J)	
7/27/2020		<0.125				
7/28/2020	<0.125		<0.125	<0.125	<0.125	
7/29/2020						0.0742 (J)
4/5/2021		0.0842 (J)				
4/6/2021						0.114
4/7/2021	0.0834 (J)		0.0874 (J)	0.0872 (J)	0.0705 (J)	
9/21/2021						0.132
9/27/2021	0.1	0.0702 (J)	0.0989 (J)	0.0862 (J)	0.0882 (J)	
5/2/2022		<0.125				0.111 (J)
5/3/2022	0.0819 (J)		0.0648 (J)	<0.125	<0.125	
Mean	0.08316	0.1038	0.07539	0.09005	0.0776	0.1042
Std. Dev.	0.02092	0.03068	0.02611	0.0316	0.03186	0.0185
Upper Lim.	0.1053	0.125	0.1031	0.085	0.125	0.1238
Lower Lim.	0.06099	0.0506	0.04772	0.05316	0.05	0.0846

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
10/1/2018	0.14
4/1/2019	0.136
9/17/2019	0.128
2/17/2020	0.15
7/29/2020	0.116
4/5/2021	0.15
9/21/2021	0.181
5/2/2022	0.122 (J)
Mean	0.1404
Std. Dev.	0.02049
Upper Lim.	0.1621
Lower Lim.	0.1187

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-13	GN-AP-MW-19	GN-AP-MW-5
10/1/2018			<0.0002
10/2/2018		<0.0002	
10/5/2018	<0.0002		
4/1/2019		<0.0002	
4/2/2019			<0.0002
4/3/2019	<0.0002		
9/17/2019	<0.0002		
9/18/2019		<0.0002	<0.0002
2/18/2020		<0.0002	
2/19/2020	<0.0002		
2/26/2020			<0.0002
7/27/2020	<0.0002	<0.0002	
7/28/2020			<0.0002
4/5/2021		<0.0002	
4/6/2021	0.000106 (J)		
4/7/2021			0.00014 (J)
9/22/2021	<0.0002	<0.0002	
9/27/2021			0.0001 (J)
4/19/2022		0.00019 (J)	
5/2/2022	<0.0002		
5/3/2022			0.0001 (J)
Mean	0.0001882	0.0001987	0.0001675
Std. Dev.	3.323E-05	3.536E-06	4.652E-05
Upper Lim.	0.0002	0.0002	0.0002
Lower Lim.	0.000106	0.00019	0.0001

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-20	GN-AP-MW-5
10/1/2018		0.076	0.628	0.0386	0.11	0.0482
4/2/2019						0.0242
4/3/2019	0.149	0.0814	0.716	0.0393	0.115	
5/7/2019	0.164					
9/16/2019		0.0926				
9/17/2019			0.785			
9/18/2019	0.186			0.0492	0.131	0.043
2/25/2020	0.0848	0.0951		0.0465	0.137	
2/26/2020			0.752			<-0.02
7/22/2020				0.0507	0.125	
7/28/2020	0.0559	0.0903				0.0361
7/29/2020			0.731			
4/5/2021		0.111				
4/6/2021	0.0423		1.01	0.05		
4/7/2021						0.01 (J)
4/12/2021					0.139	
9/27/2021						0.00862 (J)
9/28/2021	0.0326	0.126		0.0506	0.137	
9/29/2021			1.03			
4/20/2022			1.02		0.119	
4/26/2022				0.0464		
4/27/2022		0.127				
5/2/2022	0.0278					
5/3/2022						<-0.02
Mean	0.0928	0.09993	0.834	0.04641	0.1266	0.02626
Std. Dev.	0.06407	0.01935	0.1604	0.004902	0.01108	0.01472
Upper Lim.	0.1607	0.1204	1.004	0.0509	0.1384	0.04017
Lower Lim.	0.02488	0.07942	0.6676	0.04183	0.1149	0.007015

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6
10/4/2018	<0.02
4/2/2019	<0.02
9/18/2019	<0.02
2/26/2020	<0.02
7/28/2020	<0.02
4/7/2021	<0.02
9/27/2021	<0.02
5/3/2022	0.0178 (J)
Mean	0.01972
Std. Dev.	0.0007778
Upper Lim.	0.02
Lower Lim.	0.0178

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
10/2/2018	<0.01					
10/4/2018		<0.01	<0.01			
10/5/2018				<0.01	<0.01	
4/3/2019	<0.01	<0.01	<0.01	<0.01	<0.01	0.433
5/7/2019						0.292
9/16/2019	<0.01	<0.01	<0.01			
9/17/2019				<0.01	<0.01	
9/18/2019						0.307
2/17/2020	<0.01	<0.01				
2/18/2020			<0.01			
2/19/2020				<0.01	<0.01	
2/25/2020						0.209
7/22/2020	<0.01	<0.01				
7/23/2020					<0.01	
7/27/2020			<0.01	<0.01		
7/28/2020						0.167
4/5/2021	0.000248	0.00033	0.000366			
4/6/2021				0.000329	0.000298	0.156
9/21/2021	0.00018 (J)	0.00026				
9/22/2021			0.0003	0.00031	0.00052	
9/28/2021						0.137
4/27/2022					0.00052	
5/2/2022	0.00021	0.00038		0.0003		0.144
5/3/2022			0.00033			
Mean	0.00633	0.006371	0.006374	0.006367	0.006417	0.2306
Std. Dev.	0.005065	0.005008	0.005004	0.005014	0.004945	0.1048
Upper Lim.	0.01	0.01	0.01	0.01	0.01	0.3417
Lower Lim.	0.00018	0.00026	0.0003	0.0003	0.000298	0.1195

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
10/1/2018	0.267	1.95	0.0192		0.775	
10/2/2018				0.0113		
10/4/2018						0.0159
4/1/2019				0.0132		
4/2/2019						0.00611 (J)
4/3/2019	0.311	2.33	0.0214		0.803	
9/16/2019	0.32					
9/17/2019		2.33				
9/18/2019			0.0243	0.0128	0.837	0.0172
2/18/2020				0.0129		
2/25/2020	0.343		0.0228		0.813	
2/26/2020		2.83				0.0139
7/22/2020			0.0244		0.784	
7/27/2020				0.0133		
7/28/2020	0.328					0.00969 (J)
7/29/2020		2.79				
4/5/2021	0.514			0.0137		
4/6/2021		3.56	0.0307			
4/7/2021						0.00838
4/12/2021					0.811	
9/22/2021				0.0136		
9/27/2021						0.00769
9/28/2021	0.538		0.0592		0.845	
9/29/2021		3.23				
4/19/2022				0.0146		
4/20/2022		2.99			0.84	
4/26/2022			0.0598			
4/27/2022	0.519					
5/3/2022						0.0116
Mean	0.3925	2.751	0.03273	0.01318	0.8135	0.01131
Std. Dev.	0.111	0.5271	0.01685	0.0009438	0.02596	0.004034
Upper Lim.	0.538	3.31	0.0598	0.01418	0.841	0.01558
Lower Lim.	0.267	2.193	0.0192	0.01217	0.786	0.007033

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
10/1/2018			0.294			<0.01
10/3/2018		<0.01				
10/4/2018	0.0698			0.0101	<0.01	
4/1/2019						<0.01
4/2/2019	0.0703	<0.01	0.164	0.0166	<0.01	
9/17/2019		<0.01				<0.01
9/18/2019	0.0895		0.261	0.0138	<0.01	
2/18/2020		<0.01				
2/25/2020						<0.01
2/26/2020	0.0691		0.0546	0.0157	<0.01	
7/27/2020		<0.01				
7/28/2020	0.0677		0.215	0.0185	<0.01	
7/29/2020						<0.01
4/5/2021		0.000137 (J)				
4/6/2021						0.000895
4/7/2021	0.0456		0.0562	0.0119	0.00021	
9/21/2021						0.00072
9/27/2021	0.0388	0.00026	0.0541	0.0118	0.00026	
5/2/2022		0.0003				0.00107
5/3/2022	0.0342		0.0389	0.00912	0.00024	
Mean	0.06063	0.006337	0.1422	0.01344	0.006339	0.006586
Std. Dev.	0.01903	0.005055	0.1045	0.003289	0.005053	0.004713
Upper Lim.	0.08079	0.01	0.294	0.01693	0.01	0.01
Lower Lim.	0.04046	0.000137	0.0389	0.009954	0.00021	0.00072

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
10/1/2018	<0.01
4/1/2019	<0.01
9/17/2019	<0.01
2/17/2020	<0.01
7/29/2020	<0.01
4/5/2021	0.000821
9/21/2021	0.00102
5/2/2022	0.0012
Mean	0.00663
Std. Dev.	0.004652
Upper Lim.	0.01
Lower Lim.	0.000821

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

GN-AP-MW-10

10/2/2018	<0.00102
4/3/2019	<0.00102
9/16/2019	<0.00102
2/17/2020	<0.00102
7/22/2020	<0.00102
4/5/2021	<0.00102
9/21/2021	<0.00102
5/2/2022	0.00055 (J)
Mean	0.0009612
Std. Dev.	0.0001662
Upper Lim.	0.00102
Lower Lim.	0.00055

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 7/15/2022 2:47 PM View: Appendix IV

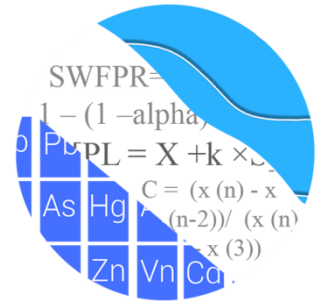
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17	GN-AP-MW-18
10/1/2018	<0.0002	0.000371 (J)
4/3/2019	<0.0002	0.00034 (J)
9/17/2019	<0.0002	
9/18/2019		0.000479 (J)
2/25/2020		0.000426 (J)
2/26/2020	<0.0002	
7/22/2020		0.000456 (J)
7/29/2020	<0.0002	
4/6/2021	<0.0002	0.000389
9/28/2021		0.00036
9/29/2021	<0.0002	
4/20/2022	8E-05 (J)	
4/26/2022		0.00044
Mean	0.000185	0.0004076
Std. Dev.	4.243E-05	4.979E-05
Upper Lim.	0.0002	0.0004604
Lower Lim.	8E-05	0.0003549

GROUNDWATER STATS CONSULTING

November 2, 2022

Southern Company Services
Attn: Mr. Greg Dyer
3535 Colonnade Parkway
Birmingham, AL 35243



Re: Plant Gaston Ash Pond
2nd Semi-Annual Analysis – August/September 2022

Dear Mr. Dyer,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the August/September 2022 2nd semi-annual sample event for Alabama Power Company's Plant Gaston Ash Pond. 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 United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at site for the Coal Combustion Residuals (CCR) program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GN-AP-MW-2, GN-AP-MW-3, GN-AP-MW-38, GN-AP-MW-39, GN-AP-MW-40, GN-AP-MW-41, and GN-AP-MW-42
- **Downgradient wells:** GN-AP-MW-1, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9, GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, and GN-AP-MW-22
- **Delineation wells:** GN-AP-MW-16V, GN-AP-MW-17V, GN-AP-MW-17SV, GN-AP-MW-20V, GN-AP-MW-20SV, GN-AP-MW-23D, GN-AP-MW-31VR, GN-AP-MW-32V, GN-AP-MW-33V, GN-AP-MW-34V, GN-AP-MW-35V, GN-AP-MW-36V, GN-AP-MW-37, GN-AP-MW-23S, GN-AP-MW-26, GN-AP-MW-27, GN-AP-MW-28H, GN-AP-MW-29H, and GN-AP-MW-30H

Data from delineation wells are included on time series and box plots but did not require formal statistics. Note that upgradient well GN-AP-MW-2 has been abandoned, but data are plotted on the time series graphs for historical data purposes to represent groundwater quality upgradient of the facility. Additionally, data from new upgradient wells GN-AP-MW-38, GN-AP-MW-39, GN-AP-MW-40, GN-AP-MW-41, and GN-AP-MW-42 were included in the construction of interwell prediction and tolerance limits during this analysis as each well had the required minimum of two samples. Note that downgradient well GN-AP-MW-1 was abandoned; therefore, it was not included in this analysis.

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.

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). A substitution of the most recent reporting limit is used for non-detect data. 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 earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on analysis of the spatial variability of groundwater quality data among wells upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are

recommended. 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 and site/data characteristics:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan
- Background Number: 51
- # Constituents: 7
- # Downgradient wells: 19

Summary of Statistical Methods – Appendix III Parameters

Based on the earlier evaluation described above, interwell prediction limits were utilized in the analysis of this site.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after 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 Summary – Conducted in September 2019

Interwell prediction limits, which compare the most recent sample from each downgradient well to statistical limits constructed from pooled upgradient well data, are updated during each sample event. Data from upgradient wells are periodically re-screened for newly developing trends, which may require adjustment of the background period to eliminate the trend, as well as for outliers over the entire record. As discussed in the Statistical Analysis Plan (August 2020), interwell prediction limits are used to evaluate boron, calcium, chloride, fluoride, pH, sulfate, and TDS.

Outlier Analysis

Prior to performing prediction limits, proposed background data through April/May 2019 were reviewed to identify suspected outliers at all upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate, and TDS. Both Tukey's Test and visual screening were used to identify potential outliers. When identified, values were flagged with "o" and excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective. Potential outliers that are identified by Tukey's test but are not greatly different from the rest of the data are not flagged. Also, outliers that are not identified as important by Tukey's test may be identified visually. 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 summary of Tukey's test results was included with the September 2019 screening.

Trend Testing

The Sen's Slope/Mann Kendall trend test was used to evaluate the entire record of data from upgradient wells for parameters utilizing interwell prediction limits. When

statistically significant increasing trends are identified in upgradient wells, the earlier portion of data is deselected prior to construction of interwell statistical limits if the trending data would result in statistical limits that are not conservative from a regulatory perspective. A statistically significant increasing trend was noted in well GN-AP-MW-1 (previously an upgradient well) for calcium and was included on Trend Test Summary Table during the September 2019 screening. No adjustment was required as the period of record was short and the magnitude of the trend was low relative to the average concentrations in background. Since that time, GN-AP-MW-1 was redesignated from an upgradient well to a downgradient well and is currently abandoned. No other statistically significant trends were noted.

Evaluation of Appendix III Parameters – August/September 2022

Interwell Prediction Limits

Background (upgradient) well data were re-assessed for potential outliers during this analysis. A high value of pH (9.22 su) was observed in upgradient well GN-AP-MW-3 and was flagged as an outlier to maintain statistical limits that are conservative (i.e., lower) from a regulatory perspective. Values in background which have been previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of all flagged outliers follows this report (Figure C).

Interwell prediction limits combined with a 1-of-2 verification strategy were constructed for all Appendix III parameters (Figure D). Interwell prediction limits pool upgradient well data through August 2022 to establish a background limit for an individual constituent. As mentioned earlier, although upgradient well GN-AP-MW-2 has been abandoned, the data represent groundwater quality upgradient of the facility; therefore, this well is included with all upgradient well data for calculation of statistical limits. The August/September 2022 sample from each downgradient well is compared to the background limits to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary. A summary of the prediction limits results may be found in the Prediction Limit Summary tables following this letter (pages 11-14). Several exceedances for interwell prediction limits were identified.

Trend Tests

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 E). 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 which is an indication of natural variability in groundwater unrelated to practices at the site. Since the new upgradient wells GN-AP-MW-38, GN-AP-MW-39, GN-AP-MW-40, GN-AP-MW-41, and GN-AP-MW-42 currently have a maximum of 4 sample events, these wells were not included with the trend tests which require a minimum of 6 samples. A summary of the trend test results follows this letter (pages 15-17). Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Boron: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, and GN-AP-MW-20
- Calcium: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-16, GN-AP-MW-17, and GN-AP-MW-18
- Chloride: GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, and GN-AP-MW-20
- Sulfate: GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-17, and GN-AP-MW-19
- TDS: GN-AP-MW-9, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, and GN-AP-MW-20

Decreasing:

- Sulfate: GN-AP-MW-5
- TDS: GN-AP-MW-8

Evaluation of Appendix IV Parameters – August/September 2022

Data from all upgradient wells for Appendix IV parameters were reassessed for outliers during this analysis. No changes to previously flagged outliers were made. A summary of previously flagged outliers follows this report (Figure C).

In accordance with Alabama Department of Environmental Management, the Groundwater Protections Standards (GWPS) were updated during the 2021 2nd semi-

annual statistical analysis. The GWPS 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 upper tolerance limits (UTLs) constructed from pooled upgradient well data through September 2021. The tolerance limits contain a known fraction (coverage) of the background population with a known level of confidence. The tolerance limits contain a known fraction (coverage) of the background population with a known level of confidence. 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 (Figure F). The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. A summary of the upper tolerance limits follows this letter (page 18).

Groundwater Protection Standards

These background limits are then compared to the Maximum Contaminant Levels (MCLs) for each parameter, and the higher of the two is used as the GWPS (Figure G, page 19) in the confidence interval comparisons described below.

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 H). These intervals were 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 in 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 20-23). Exceedances were noted for the following well/constituent pairs:

- Combined Radium: GN-AP-MW-20
- Lithium: GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18 and GN-AP-MW-20
- Molybdenum: GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, and GN-AP-MW-20

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Gaston Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

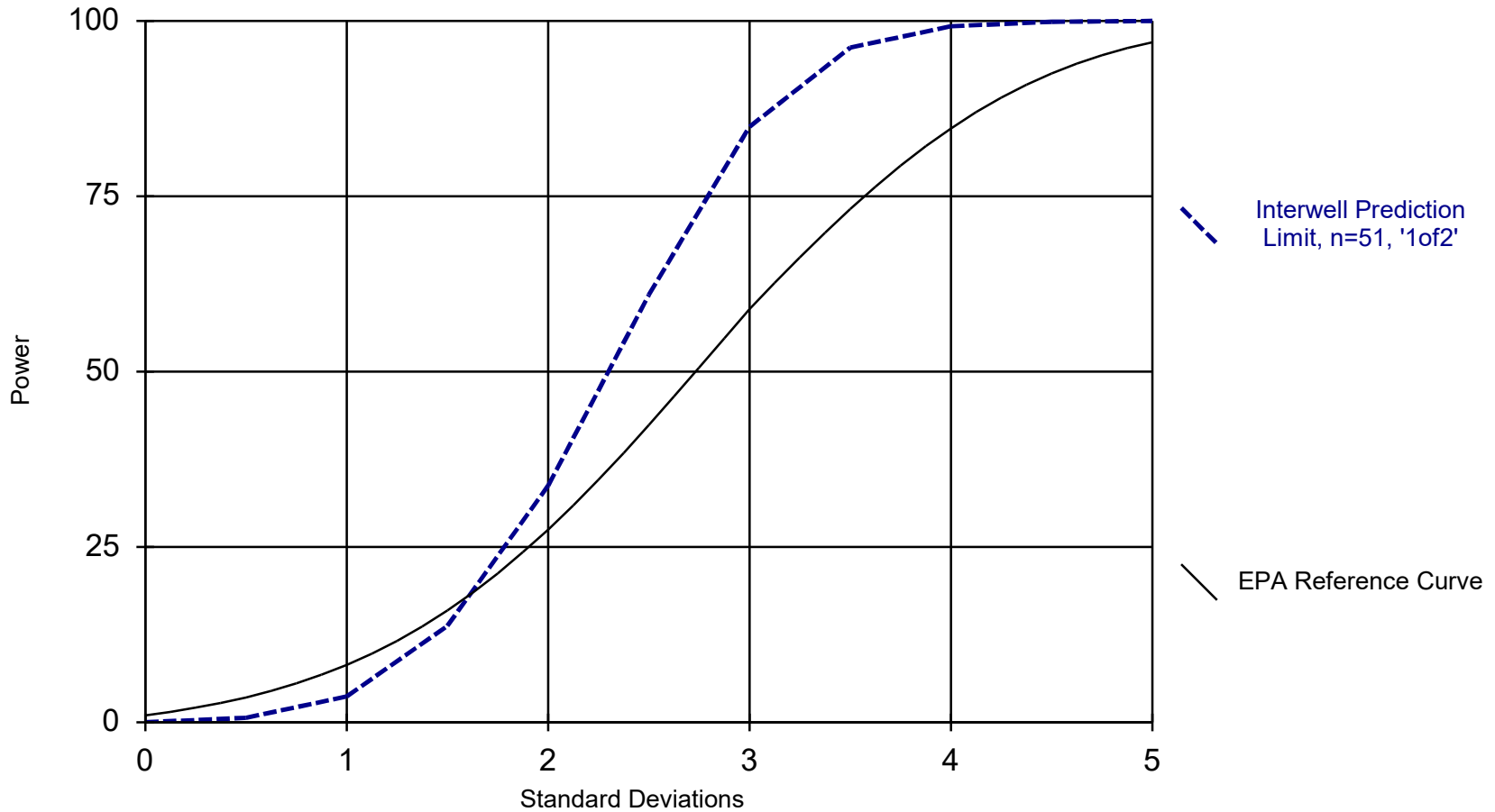


Abdul Diane
Groundwater Analyst



Andrew T. Collins
Project Manager

Interwell Power Curve



Kappa = 2.193, based on 19 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

100% Non-Detects: Appendix IV Downgradient

Analysis Run 10/28/2022 11:59 AM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Antimony (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-13, GN-AP-MW-16, GN-AP-MW-18, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-8, GN-AP-MW-9

Beryllium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Cadmium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Cobalt (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-14, GN-AP-MW-17, GN-AP-MW-20, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-9

Lead (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Lithium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-19, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Mercury (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Selenium (mg/L)

GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Thallium (mg/L)

GN-AP-MW-10, GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-19, GN-AP-MW-20, GN-AP-MW-21, GN-AP-MW-22, GN-AP-MW-4, GN-AP-MW-5, GN-AP-MW-6, GN-AP-MW-7, GN-AP-MW-8, GN-AP-MW-9

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	9/6/2022	0.326	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	9/6/2022	0.459	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	8/31/2022	2.22	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	8/30/2022	1.42	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	8/30/2022	3.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	8/30/2022	4.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	8/30/2022	1.48	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	8/30/2022	0.992	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	8/30/2022	0.112	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	8/30/2022	0.562	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	8/30/2022	1.26	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.39	n/a	9/6/2022	46.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.39	n/a	9/6/2022	76.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.39	n/a	9/7/2022	52.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.39	n/a	9/6/2022	102	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.39	n/a	8/31/2022	112	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.39	n/a	8/30/2022	111	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.39	n/a	8/30/2022	300	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.39	n/a	8/30/2022	155	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.39	n/a	8/30/2022	45.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.39	n/a	8/30/2022	214	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.39	n/a	8/30/2022	85.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.39	n/a	8/30/2022	83.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.39	n/a	8/30/2022	67.4	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.39	n/a	8/30/2022	56.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.39	n/a	8/30/2022	84.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.39	n/a	8/30/2022	81.2	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.39	n/a	8/31/2022	64	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	9/6/2022	7.27	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	9/6/2022	18.4	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	8/31/2022	82	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	8/30/2022	56.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	8/30/2022	272	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	8/30/2022	19	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	8/30/2022	28.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	8/30/2022	15.3	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	8/30/2022	8.56	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	8/30/2022	12.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	8/30/2022	23.9	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	8/30/2022	12	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	8/31/2022	8.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	8.09	5.87	8/30/2022	9.18	Yes	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.31	n/a	9/6/2022	61.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.31	n/a	9/6/2022	104	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.31	n/a	9/6/2022	148	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.31	n/a	8/31/2022	225	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.31	n/a	8/30/2022	190	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.31	n/a	8/30/2022	415	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.31	n/a	8/30/2022	203	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.31	n/a	8/30/2022	27.5	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.31	n/a	8/30/2022	538	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.31	n/a	8/30/2022	129	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.31	n/a	8/30/2022	77.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.31	n/a	8/30/2022	33.3	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.31	n/a	8/30/2022	123	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.31	n/a	8/30/2022	212	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.31	n/a	8/31/2022	18.7	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-11	184.5	n/a	9/6/2022	226	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	184.5	n/a	9/6/2022	376	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	184.5	n/a	9/7/2022	192	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	184.5	n/a	9/6/2022	462	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	184.5	n/a	8/31/2022	582	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	184.5	n/a	8/30/2022	425	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	184.5	n/a	8/30/2022	1420	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	GN-AP-MW-18	184.5	n/a	8/30/2022	614	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	184.5	n/a	8/30/2022	238	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	184.5	n/a	8/30/2022	930	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	184.5	n/a	8/30/2022	390	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	184.5	n/a	8/30/2022	296	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	184.5	n/a	8/30/2022	240	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	184.5	n/a	8/30/2022	237	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	184.5	n/a	8/30/2022	400	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	184.5	n/a	8/30/2022	319	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	184.5	n/a	8/31/2022	246	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	184.5	n/a	8/31/2022	210	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-10	0.1015	n/a	8/31/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	9/6/2022	0.326	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	9/6/2022	0.459	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-13	0.1015	n/a	9/7/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-14	0.1015	n/a	9/6/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	8/31/2022	2.22	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	8/30/2022	1.42	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	8/30/2022	3.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-19	0.1015	n/a	8/30/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	8/30/2022	4.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	8/30/2022	1.48	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	8/30/2022	0.992	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	8/30/2022	0.112	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	8/30/2022	0.562	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	8/30/2022	1.26	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-8	0.1015	n/a	8/31/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-9	0.1015	n/a	8/31/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-10	38.39	n/a	8/31/2022	36.4	No	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.39	n/a	9/6/2022	46.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.39	n/a	9/6/2022	76.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.39	n/a	9/7/2022	52.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.39	n/a	9/6/2022	102	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.39	n/a	8/31/2022	112	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.39	n/a	8/30/2022	111	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.39	n/a	8/30/2022	300	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.39	n/a	8/30/2022	155	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.39	n/a	8/30/2022	45.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.39	n/a	8/30/2022	214	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.39	n/a	8/30/2022	85.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.39	n/a	8/30/2022	83.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.39	n/a	8/30/2022	67.4	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.39	n/a	8/30/2022	56.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.39	n/a	8/30/2022	84.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.39	n/a	8/30/2022	81.2	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.39	n/a	8/31/2022	64	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-9	38.39	n/a	8/31/2022	29.9	No	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-10	6.09	n/a	8/31/2022	2.43	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	9/6/2022	7.27	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	9/6/2022	18.4	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-13	6.09	n/a	9/7/2022	4.55	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-14	6.09	n/a	9/6/2022	5.29	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	8/31/2022	82	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	8/30/2022	56.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	8/30/2022	272	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	8/30/2022	19	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	8/30/2022	28.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	8/30/2022	15.3	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	8/30/2022	8.56	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	8/30/2022	12.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	8/30/2022	23.9	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	8/30/2022	12	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-8	6.09	n/a	8/31/2022	2.97	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	8/31/2022	8.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GN-AP-MW-10	0.181	n/a	8/31/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-11	0.181	n/a	9/6/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-12	0.181	n/a	9/6/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-13	0.181	n/a	9/7/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-14	0.181	n/a	9/6/2022	0.0891J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-15R	0.181	n/a	8/31/2022	0.0842J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-16	0.181	n/a	8/30/2022	0.114J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-17	0.181	n/a	8/30/2022	0.115J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-18	0.181	n/a	8										

Interwell Prediction Limits - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GN-AP-MW-21	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-22	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-4	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-5	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-6	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-7	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-8	0.181	n/a	8/31/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-9	0.181	n/a	8/31/2022	0.089J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
pH (pH)	GN-AP-MW-10	8.09	5.87	8/31/2022	7.25	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-11	8.09	5.87	9/6/2022	7.67	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-12	8.09	5.87	9/6/2022	7.39	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-13	8.09	5.87	9/7/2022	7.52	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-14	8.09	5.87	9/6/2022	7.35	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-15R	8.09	5.87	8/31/2022	7.6	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-16	8.09	5.87	8/30/2022	7.84	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	8.09	5.87	8/30/2022	9.18	Yes	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-18	8.09	5.87	8/30/2022	6.65	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-19	8.09	5.87	8/30/2022	7.1	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-20	8.09	5.87	8/30/2022	7.73	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-21	8.09	5.87	8/30/2022	7.45	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-22	8.09	5.87	8/30/2022	7.17	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-4	8.09	5.87	8/30/2022	6.85	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-5	8.09	5.87	8/30/2022	7.47	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-6	8.09	5.87	8/30/2022	7.6	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-7	8.09	5.87	8/30/2022	7.57	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-8	8.09	5.87	8/31/2022	7.44	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-9	8.09	5.87	8/31/2022	7.74	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-10	14.31	n/a	8/31/2022	3.78	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.31	n/a	9/6/2022	61.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.31	n/a	9/6/2022	104	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-13	14.31	n/a	9/7/2022	0.641J	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.31	n/a	9/6/2022	148	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.31	n/a	8/31/2022	225	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.31	n/a	8/30/2022	190	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.31	n/a	8/30/2022	415	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.31	n/a	8/30/2022	203	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.31	n/a	8/30/2022	27.5	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.31	n/a	8/30/2022	538	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.31	n/a	8/30/2022	129	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.31	n/a	8/30/2022	77.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-4	14.31	n/a	8/30/2022	12.1	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.31	n/a	8/30/2022	33.3	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.31	n/a	8/30/2022	123	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.31	n/a	8/30/2022	212	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-8	14.31	n/a	8/31/2022	1.14J	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.31	n/a	8/31/2022	18.7	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-10	184.5	n/a	8/31/2022	174	No	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-11	184.5	n/a	9/6/2022	226	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	184.5	n/a	9/6/2022	376	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	184.5	n/a	9/7/2022	192	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	184.5	n/a	9/6/2022	462	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	184.5	n/a	8/31/2022	582	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	184.5	n/a	8/30/2022	425	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	184.5	n/a	8/30/2022	1420	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-18	184.5	n/a	8/30/2022	614	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	184.5	n/a	8/30/2022	238	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	184.5	n/a	8/30/2022	930	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	184.5	n/a	8/30/2022	390	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	184.5	n/a	8/30/2022	296	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	184.5	n/a	8/30/2022	240	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	184.5	n/a	8/30/2022	237	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	184.5	n/a	8/30/2022	400	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	184.5	n/a	8/30/2022	319	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	184.5	n/a	8/31/2022	246	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	184.5	n/a	8/31/2022	210	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03322	134	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03166	146	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.3292	134	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1429	108	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-11	1.384	88	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.494	91	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	3.556	105	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	19.95	118	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.465	102	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-11	0.1684	98	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	10.23	144	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.249	144	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	8.479	141	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.3191	117	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5005	97	74	Yes	19	5.263	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.4914	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.4507	85	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-11	4.428	141	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.171	94	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.27	96	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.09	93	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-20.46	-101	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	1.924	113	74	Yes	19	5.263	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-11	6.576	127	81	Yes	20	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	4.817	91	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	14.73	92	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	52.42	115	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-18	11.47	86	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.29	83	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-7.62	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	5.538	107	74	Yes	19	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03322	134	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03166	146	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.3292	134	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-16	0.01934	69	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-17	0.07731	51	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-18	0.04718	65	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-2 (bg)	0	0	43	No	13	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1429	108	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-21	0.01327	7	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-22	-0.02523	-13	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-3 (bg)	0	0	74	No	19	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-38 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-39 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-4	-0.03531	-53	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-40 (bg)	0.02437	3	8	No	4	75	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-41 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-42 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-5	-0.1759	-54	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-6	-0.05229	-27	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-7	-0.009235	-6	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-11	1.384	88	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.494	91	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-13	0.1235	15	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-14	0.7361	11	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-15R	9.553	83	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	3.556	105	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	19.95	118	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.465	102	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-19	0.07046	16	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-2 (bg)	0.6928	22	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-20	3.712	62	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-21	3.326	49	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-22	4.368	62	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-3 (bg)	0.09481	19	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-38 (bg)	0.01285	0	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-39 (bg)	0.7677	5	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-4	0.3478	27	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-40 (bg)	-0.9941	-5	-8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-41 (bg)	2.894	2	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-42 (bg)	0.2362	0	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-5	-1.804	-25	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-6	3.129	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-7	-0.5251	-13	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-8	-0.1286	-13	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-11	0.1684	98	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-12	-0.195	-53	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	10.23	144	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.249	144	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	8.479	141	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.3191	117	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5005	97	74	Yes	19	5.263	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-2 (bg)	-0.1215	-9	-43	No	13	7.692	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.4914	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-21	1.174	23	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-22	1.563	20	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-3 (bg)	-0.04854	-66	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-38 (bg)	-1.325	-4	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-39 (bg)	-0.6463	-4	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-4	-1.912	-56	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-40 (bg)	-1.266	-6	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-41 (bg)	-0.6301	-6	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-42 (bg)	-0.5383	-6	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-5	-2.26	-24	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-6	4.092	47	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-7	0.7982	25	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.4507	85	74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-17	-0.05513	-81	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-2 (bg)	-0.02103	-11	-48	No	14	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH (pH)	GN-AP-MW-3 (bg)	-0.005505	-20	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-38 (bg)	0.08835	2	8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-39 (bg)	-0.1121	-1	-8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-40 (bg)	0.05464	0	8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-41 (bg)	0.2764	2	8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-42 (bg)	-0.1773	-2	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-11	4.428	141	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.171	94	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-14	8.862	70	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-15R	17.55	76	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-16	7.949	74	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.27	96	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-18	8.718	68	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.09	93	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-2 (bg)	-0.2042	-15	-43	No	13	7.692	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-20	2.409	14	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-21	1.351	11	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-22	-9.72	-54	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-3 (bg)	-0.2406	-49	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-38 (bg)	-5.826	-4	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-39 (bg)	-1.917	-4	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-40 (bg)	-2.583	-4	-8	No	4	25	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-41 (bg)	-0.3324	-2	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-42 (bg)	-1.587	-4	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-20.46	-101	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-6	-4.695	-58	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-7	-3.628	-26	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	1.924	113	74	Yes	19	5.263	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-11	6.576	127	81	Yes	20	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	4.817	91	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-13	-0.9102	-38	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-14	16.38	73	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-15R	38.66	61	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	14.73	92	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	52.42	115	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-18	11.47	86	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-19	1.29	39	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-2 (bg)	-1.254	-10	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.29	83	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-21	1.978	7	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-22	-4.46	-6	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-3 (bg)	0	-1	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-38 (bg)	-20.3	-4	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-39 (bg)	-5.222	-4	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-4	-12.03	-72	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-40 (bg)	-16.32	-6	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-41 (bg)	-4.378	0	8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-42 (bg)	-4.367	-2	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-5	-17.59	-53	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-6	5.651	35	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-7	-8.773	-17	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-7.62	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	5.538	107	74	Yes	19	0	n/a	n/a	0.01	NP

Upper Tolerance Limits - Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 1/6/2022, 6:28 PM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	92.5	n/a	0.1285	NP Inter
Arsenic (mg/L)	0.00105	n/a	n/a	n/a	n/a	40	72.5	n/a	0.1285	NP Inter
Barium (mg/L)	0.0283	n/a	n/a	n/a	n/a	40	0	n/a	0.1285	NP Inter
Beryllium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Cadmium (mg/L)	0.000855	n/a	n/a	n/a	n/a	40	95	n/a	0.1285	NP Inter
Chromium (mg/L)	0.01	n/a	n/a	n/a	n/a	40	70	n/a	0.1285	NP Inter
Cobalt (mg/L)	0.00168	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Combined Radium 226 + 228 (pCi/L)	3	n/a	n/a	n/a	n/a	38	0	n/a	0.1424	NP Inter
Fluoride (mg/L)	0.181	n/a	n/a	n/a	n/a	42	57.14	n/a	0.116	NP Inter
Lead (mg/L)	0.00128	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Lithium (mg/L)	0.02	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Mercury (mg/L)	0.0005	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Molybdenum (mg/L)	0.00856	n/a	n/a	n/a	n/a	40	32.5	n/a	0.1285	NP Inter
Selenium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Thallium (mg/L)	0.000648	n/a	n/a	n/a	n/a	40	82.5	n/a	0.1285	NP Inter

GASTON AP GWPS			
Analyte	Units	Background	GWPS
Antimony	mg/L	0.00102	0.006
Arsenic	mg/L	0.00105	0.01
Barium	mg/L	0.0283	2
Beryllium	mg/L	0.00102	0.004
Cadmium	mg/L	0.000855	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00168	0.006
Combined Radium-226/228	pCi/L	3	5
Fluoride	mg/L	0.181	4
Lead	mg/L	0.00128	0.015
Lithium	mg/L	0.02	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.00856	0.1
Selenium	mg/L	0.00102	0.05
Thallium	mg/L	0.000648	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 Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-20	15.91	11.48	5	Yes	8	4.777	0	x^4	0.01	Param.
Lithium (mg/L)	GN-AP-MW-16	0.1315	0.08514	0.04	Yes	8	0.02185	0	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.09	0.716	0.04	Yes	8	0.1588	0	No	0.004	NP (normality)
Lithium (mg/L)	GN-AP-MW-18	0.05114	0.04339	0.04	Yes	8	0.003811	0	x^2	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1379	0.1171	0.04	Yes	8	0.009783	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-15R	0.307	0.137	0.1	Yes	8	0.06934	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.311	0.1	Yes	8	0.1072	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.303	2.422	0.1	Yes	8	0.4161	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-20	0.8402	0.7893	0.1	Yes	8	0.024	0	No	0.01	Param.

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GN-AP-MW-12	0.001015	0.000871	0.006	No	8	0.00005091	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-14	0.001015	0.000939	0.006	No	8	0.00002687	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-15R	0.001015	0.000998	0.006	No	8	0.00000601	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-17	0.001089	0.0005602	0.006	No	8	0.0002272	50	No	0.01	Param.
Antimony (mg/L)	GN-AP-MW-19	0.00123	0.001015	0.006	No	8	0.00007601	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-6	0.001015	0.000819	0.006	No	8	0.0000693	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-7	0.001015	0.00089	0.006	No	8	0.00004419	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-10	0.005	0.000173	0.01	No	8	0.002544	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-11	0.005	0.000164	0.01	No	8	0.002572	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-12	0.00596	0.002292	0.01	No	8	0.00173	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-13	0.005	0.00043	0.01	No	8	0.002387	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-14	0.005	0.000441	0.01	No	8	0.002259	37.5	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-15R	0.002352	0.000498	0.01	No	8	0.001482	12.5	ln(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-16	0.005695	0.004657	0.01	No	8	0.0004896	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-17	0.01097	0.00833	0.01	No	8	0.001248	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-18	0.0067	0.00265	0.01	No	8	0.001384	0	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-19	0.002771	0.001989	0.01	No	8	0.000386	0	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-20	0.004288	0.003607	0.01	No	8	0.0003211	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-21	0.001877	0.001003	0.01	No	8	0.0004434	0	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-22	0.005	0.00015	0.01	No	8	0.002413	37.5	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-4	0.005	0.000129	0.01	No	8	0.002591	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-5	0.005	0.000148	0.01	No	8	0.002582	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-6	0.005	0.0000955	0.01	No	8	0.002598	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-7	0.005	0.000101	0.01	No	8	0.002587	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-8	0.005	0.00107	0.01	No	8	0.001342	12.5	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-9	0.003031	0.002224	0.01	No	8	0.0003809	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-10	0.01409	0.01294	2	No	8	0.0005436	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-11	0.009667	0.008366	2	No	8	0.0006139	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-12	0.08046	0.07302	2	No	8	0.003511	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-13	0.04274	0.03736	2	No	8	0.002537	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-14	0.07875	0.06373	2	No	8	0.007087	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-15R	0.07524	0.05399	2	No	8	0.01003	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-16	0.05685	0.03213	2	No	8	0.01166	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-17	0.13	0.1017	2	No	8	0.01335	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-18	0.05455	0.04655	2	No	8	0.003775	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-19	0.01905	0.01408	2	No	8	0.002345	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-20	0.06295	0.05555	2	No	8	0.003492	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-21	0.04665	0.02273	2	No	8	0.01129	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-22	0.04606	0.03009	2	No	8	0.007534	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-4	0.0344	0.0151	2	No	8	0.006804	0	No	0.004	NP (normality)
Barium (mg/L)	GN-AP-MW-5	0.03423	0.02222	2	No	8	0.00567	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-6	0.02521	0.02159	2	No	8	0.001712	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-7	0.02714	0.01979	2	No	8	0.003465	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-8	0.02048	0.01732	2	No	8	0.001494	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-9	0.116	0.1047	2	No	8	0.005317	0	No	0.01	Param.
Cadmium (mg/L)	GN-AP-MW-16	0.000203	0.00008	0.005	No	8	0.0000526	75	No	0.004	NP (NDs)
Cadmium (mg/L)	GN-AP-MW-17	0.0004918	0.000305	0.005	No	8	0.0001256	37.5	No	0.01	Param.
Cadmium (mg/L)	GN-AP-MW-20	0.000203	0.00008	0.005	No	8	0.00005221	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-10	0.001015	0.00025	0.1	No	8	0.0003891	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-11	0.001015	0.00065	0.1	No	8	0.0001414	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-12	0.001015	0.000278	0.1	No	8	0.0003515	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-13	0.001015	0.00027	0.1	No	8	0.0003791	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-14	0.001015	0.000234	0.1	No	8	0.0003997	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-15R	0.001015	0.00027	0.1	No	8	0.0003545	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-16	0.001015	0.00021	0.1	No	8	0.0003804	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-17	0.001015	0.00028	0.1	No	8	0.0003542	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-18	0.001015	0.00024	0.1	No	8	0.0003771	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-19	0.001015	0.00024	0.1	No	8	0.0003782	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-20	0.00186	0.00029	0.1	No	8	0.0004795	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-21	0.001015	0.00032	0.1	No	8	0.0003104	75	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-22	0.001015	0.00026	0.1	No	8	0.0003743	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-4	0.001015	0.00055	0.1	No	8	0.0001714	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-5	0.001015	0.000268	0.1	No	8	0.0003784	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-6	0.001015	0.000259	0.1	No	8	0.0003693	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-7	0.001015	0.00035	0.1	No	8	0.0003171	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-8	0.001015	0.00031	0.1	No	8	0.0003666	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-9	0.001015	0.000286	0.1	No	8	0.0003835	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-12	0.0002009	0.0001212	0.006	No	8	0.00003449	50	x^3	0.01	Param.

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	GN-AP-MW-13	0.000203	0.000094	0.006	No	8	0.00004274	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-15R	0.0004	0.000193	0.006	No	8	0.00008044	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-16	0.000978	0.000203	0.006	No	8	0.0003493	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-18	0.00194	0.000203	0.006	No	8	0.0007233	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-19	0.000203	0.0000907	0.006	No	8	0.00004649	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-21	0.00116	0.000203	0.006	No	8	0.0004152	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-22	0.000334	0.00015	0.006	No	8	0.00007163	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-4	0.000203	0.000078	0.006	No	8	0.00004419	87.5	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-5	0.000203	0.00009	0.006	No	8	0.00005396	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-8	0.000203	0.0000945	0.006	No	8	0.00003836	87.5	No	0.004	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-10	0.6896	0.2082	5	No	8	0.2271	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-11	0.4699	0.07464	5	No	8	0.1864	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-12	1.564	0.7946	5	No	8	0.3631	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-13	0.9656	0.5404	5	No	8	0.2006	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-14	1.453	0.202	5	No	8	0.59	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-15R	1.694	0.7204	5	No	8	0.5123	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-16	4.693	3.23	5	No	8	0.6902	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-17	1.786	0.7954	5	No	8	0.4673	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-18	2.005	1.155	5	No	8	0.4007	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-19	1.253	0.2471	5	No	8	0.4743	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-20	15.91	11.48	5	Yes	8	4.777	0	x^4	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-21	0.8793	0.1185	5	No	8	0.3589	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-22	0.8006	0.3004	5	No	8	0.236	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-4	0.9802	0.3653	5	No	8	0.2901	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-5	1.267	0.4131	5	No	8	0.4029	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-6	0.724	0.283	5	No	8	0.208	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-7	0.7639	0.3736	5	No	8	0.1841	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-8	0.6041	0.09271	5	No	8	0.2412	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-9	0.9364	0.2418	5	No	8	0.3277	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-10	0.125	0.051	4	No	8	0.03181	62.5	No	0.004	NP (NDs)
Fluoride (mg/L)	GN-AP-MW-11	0.125	0.0546	4	No	8	0.03085	62.5	No	0.004	NP (NDs)
Fluoride (mg/L)	GN-AP-MW-12	0.125	0.0538	4	No	8	0.03212	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-13	0.125	0.06	4	No	8	0.02751	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-14	0.1354	0.08132	4	No	8	0.02549	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-15R	0.1051	0.07766	4	No	8	0.01296	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-16	0.1464	0.098	4	No	8	0.02283	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-17	0.204	0.1395	4	No	8	0.03282	0	x^2	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-18	0.125	0.0551	4	No	8	0.0306	37.5	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-19	0.125	0.0507	4	No	8	0.0329	37.5	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-20	0.125	0.0566	4	No	8	0.03164	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-21	0.125	0.0739	4	No	8	0.02454	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-22	0.09076	0.06268	4	No	8	0.02549	25	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-4	0.125	0.0506	4	No	8	0.03068	62.5	No	0.004	NP (NDs)
Fluoride (mg/L)	GN-AP-MW-5	0.08848	0.05422	4	No	8	0.02899	25	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-6	0.125	0.0586	4	No	8	0.02904	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-7	0.125	0.052	4	No	8	0.03357	37.5	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-8	0.1252	0.0845	4	No	8	0.01918	12.5	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-9	0.163	0.105	4	No	8	0.0274	0	No	0.01	Param.
Lead (mg/L)	GN-AP-MW-13	0.000203	0.000106	0.015	No	8	0.00003429	87.5	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-19	0.000203	0.00019	0.015	No	8	0.00004596	87.5	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-5	0.000203	0.0001	0.015	No	8	0.00004765	50	No	0.004	NP (normality)
Lithium (mg/L)	GN-AP-MW-15R	0.1371	0.02342	0.04	No	8	0.06342	0	x^(1/3)	0.01	Param.
Lithium (mg/L)	GN-AP-MW-16	0.1315	0.08514	0.04	Yes	8	0.02185	0	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.09	0.716	0.04	Yes	8	0.1588	0	No	0.004	NP (normality)
Lithium (mg/L)	GN-AP-MW-18	0.05114	0.04339	0.04	Yes	8	0.003811	0	x^2	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1379	0.1171	0.04	Yes	8	0.009783	0	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-5	0.03259	0.004877	0.04	No	8	0.0118	37.5	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-6	0.02	0.00779	0.04	No	8	0.004276	75	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-10	0.01	0.000158	0.1	No	8	0.005239	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-11	0.01	0.00026	0.1	No	8	0.00518	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-12	0.01	0.000272	0.1	No	8	0.005176	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-13	0.01	0.0003	0.1	No	8	0.005178	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-14	0.01	0.000298	0.1	No	8	0.005074	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-15R	0.307	0.137	0.1	Yes	8	0.06934	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.311	0.1	Yes	8	0.1072	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.303	2.422	0.1	Yes	8	0.4161	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-18	0.069	0.0214	0.1	No	8	0.02004	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-19	0.01426	0.01287	0.1	No	8	0.0006567	0	No	0.01	Param.

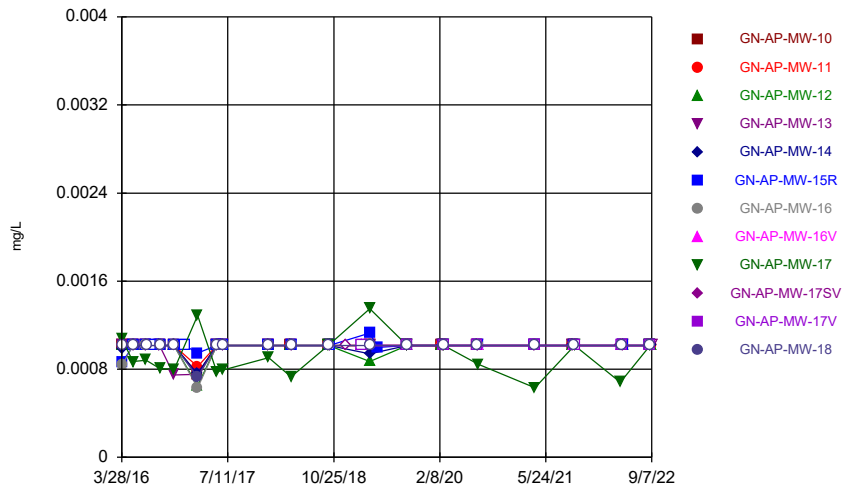
Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Molybdenum (mg/L)	GN-AP-MW-20	0.8402	0.7893	0.1	Yes	8	0.024	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-21	0.01439	0.006781	0.1	No	8	0.003587	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-22	0.07796	0.03629	0.1	No	8	0.01966	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-4	0.01	0.000137	0.1	No	8	0.00522	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-5	0.261	0.0384	0.1	No	8	0.08945	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-6	0.01709	0.009168	0.1	No	8	0.003737	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-7	0.01	0.00021	0.1	No	8	0.005213	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-8	0.01	0.00072	0.1	No	8	0.00489	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-9	0.01	0.000821	0.1	No	8	0.00477	50	No	0.004	NP (normality)
Selenium (mg/L)	GN-AP-MW-10	0.00102	0.000532	0.05	No	8	0.0002218	75	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-17	0.0002	0.00008	0.002	No	8	0.00005308	75	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-18	0.0004797	0.0003646	0.002	No	8	0.00005428	0	No	0.01	Param.

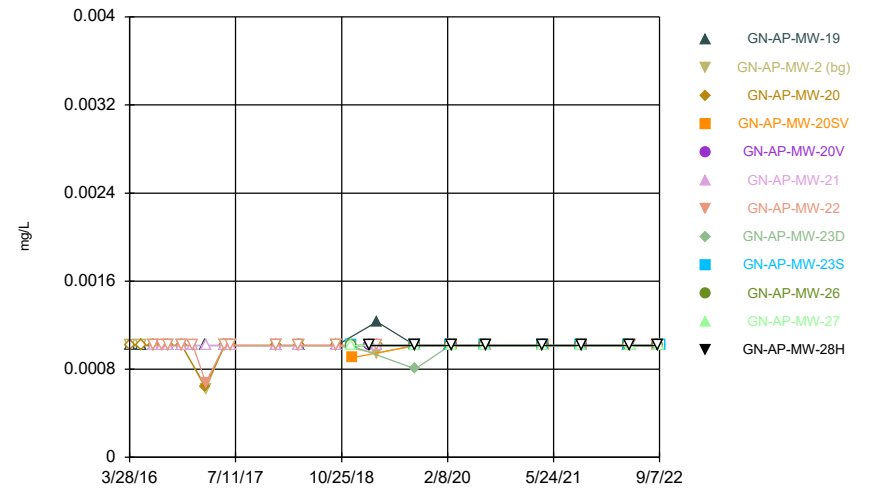
FIGURE A.

Time Series



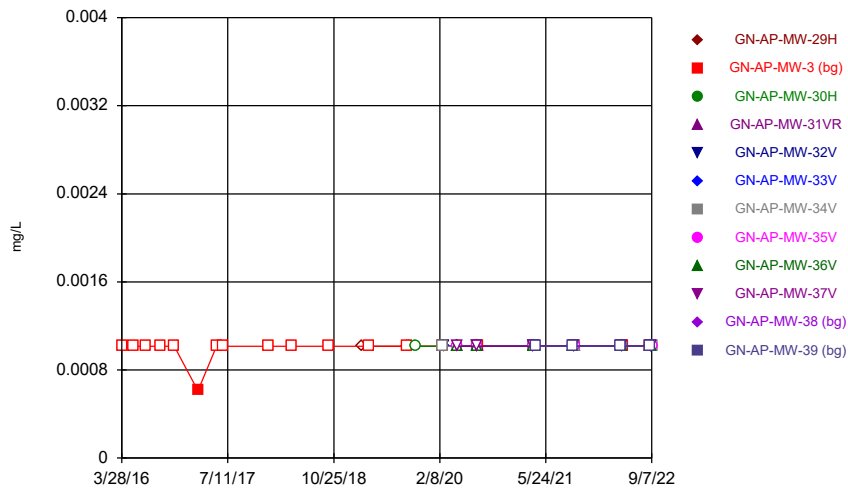
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



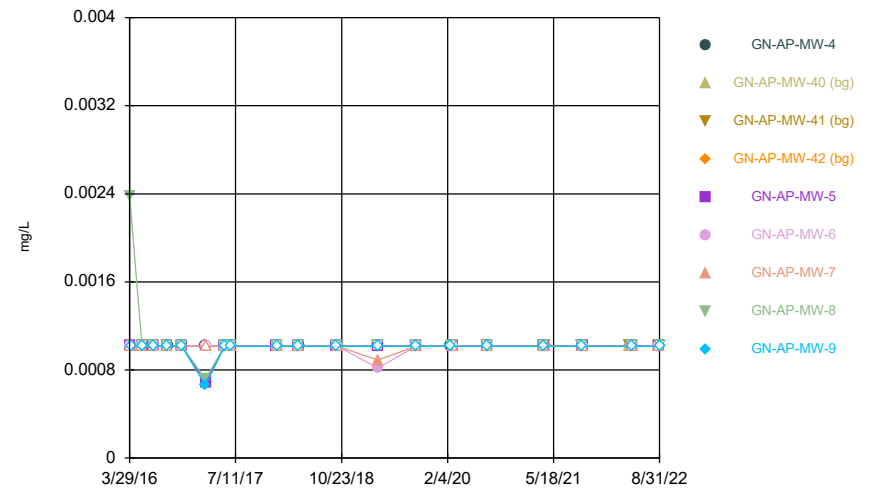
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Time Series



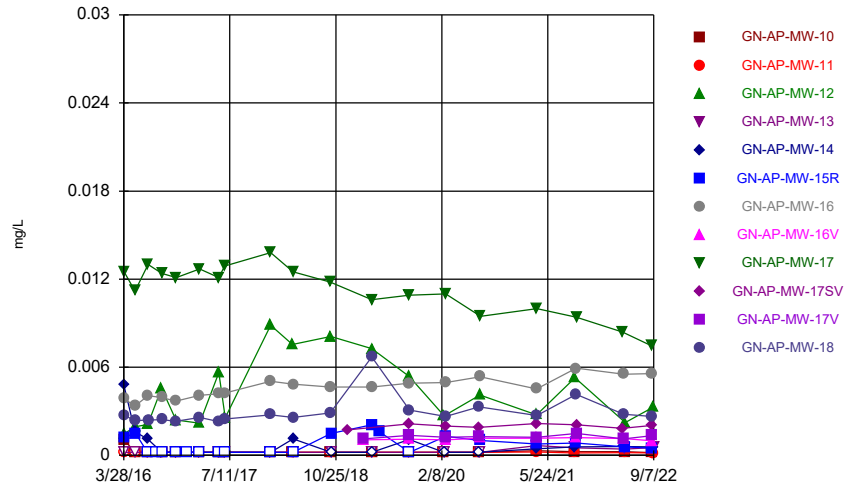
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Time Series



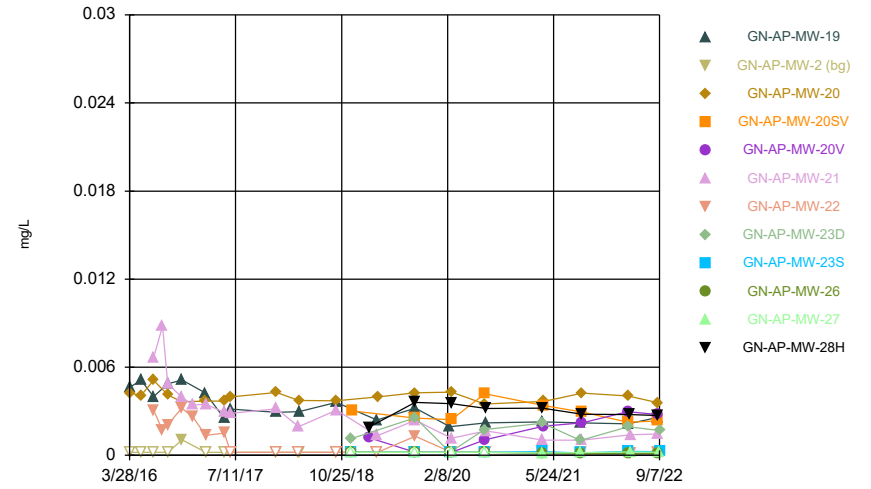
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Time Series



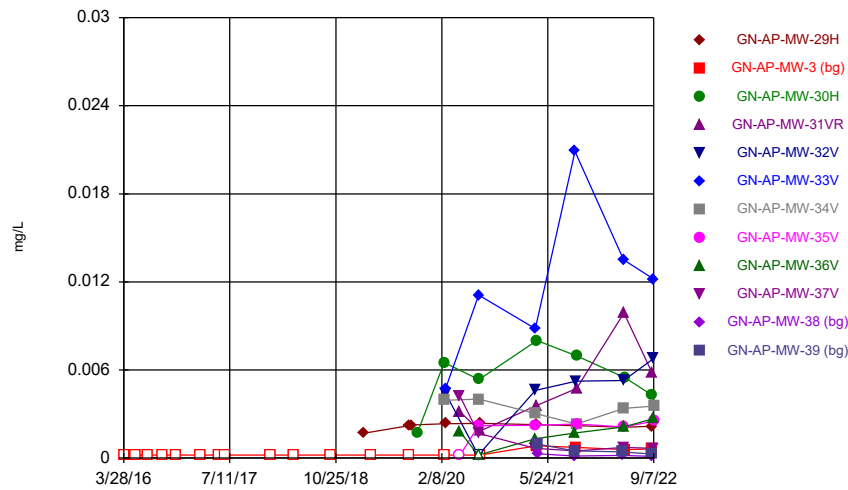
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



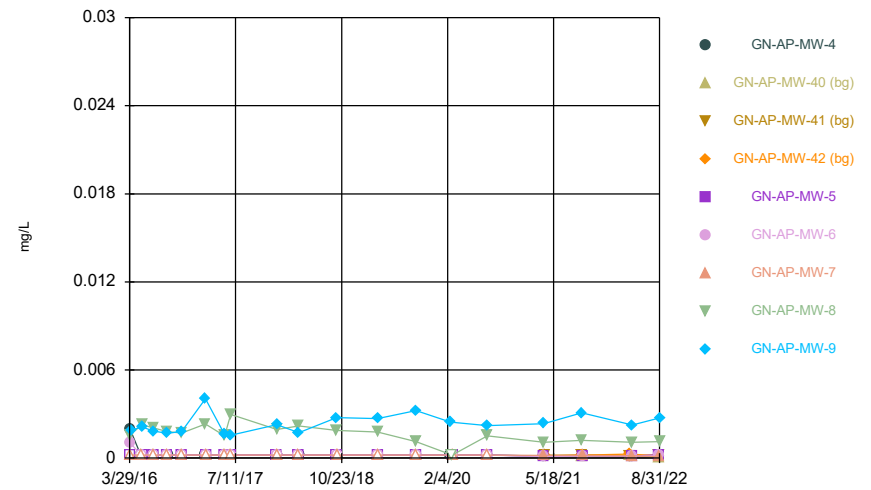
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Time Series



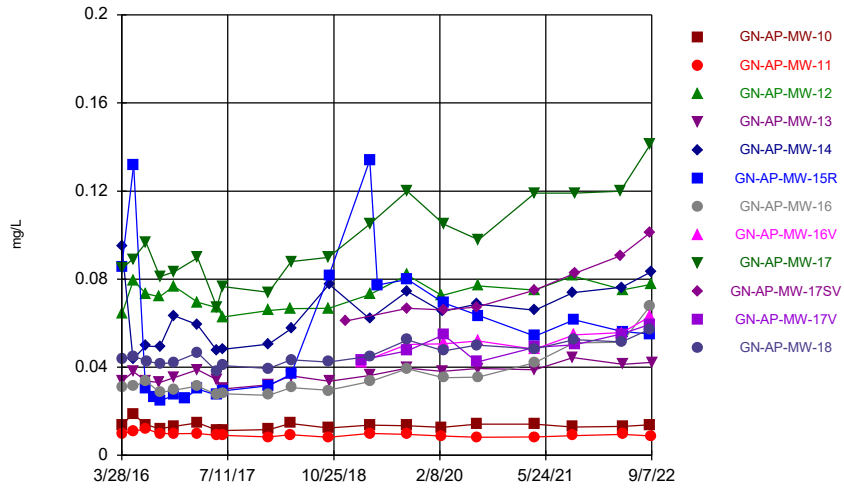
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Time Series



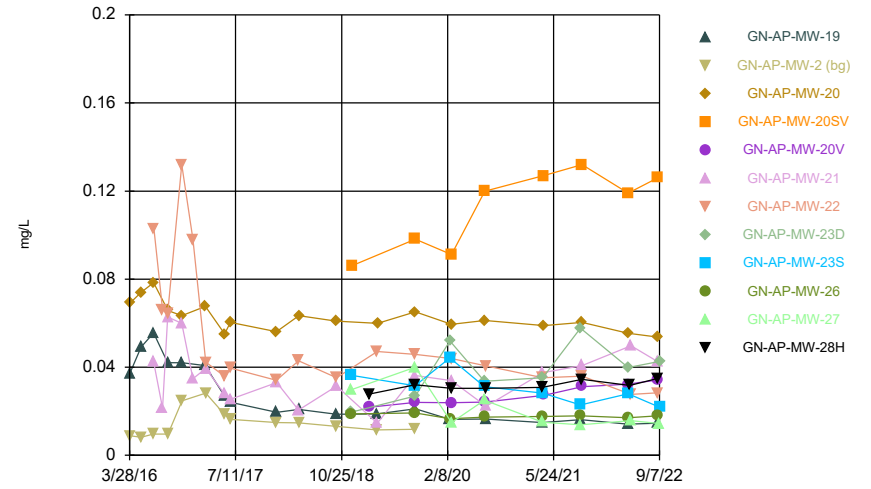
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Time Series



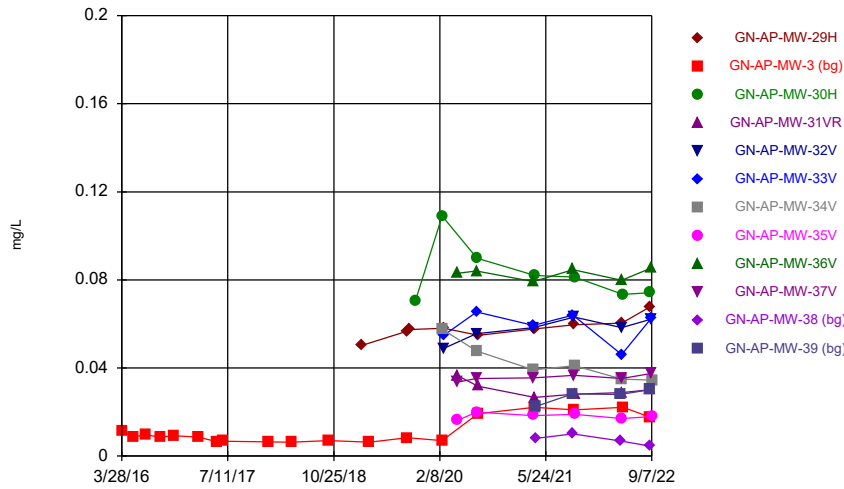
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Time Series



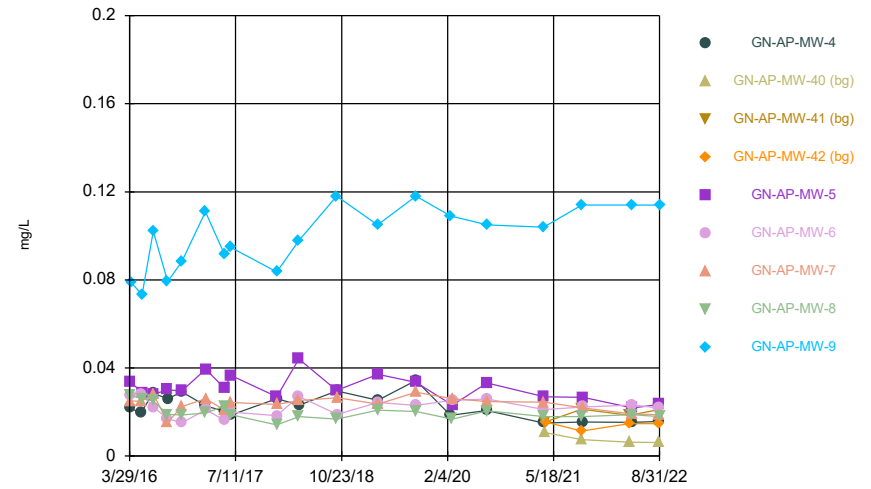
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Time Series



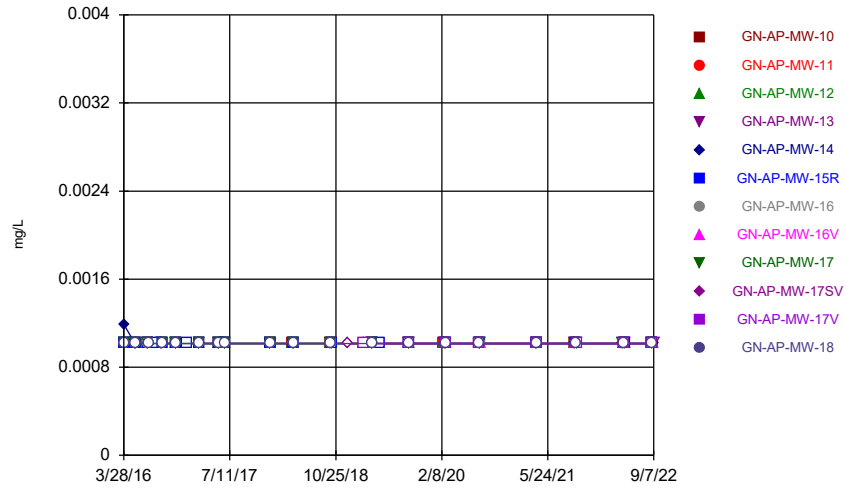
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series

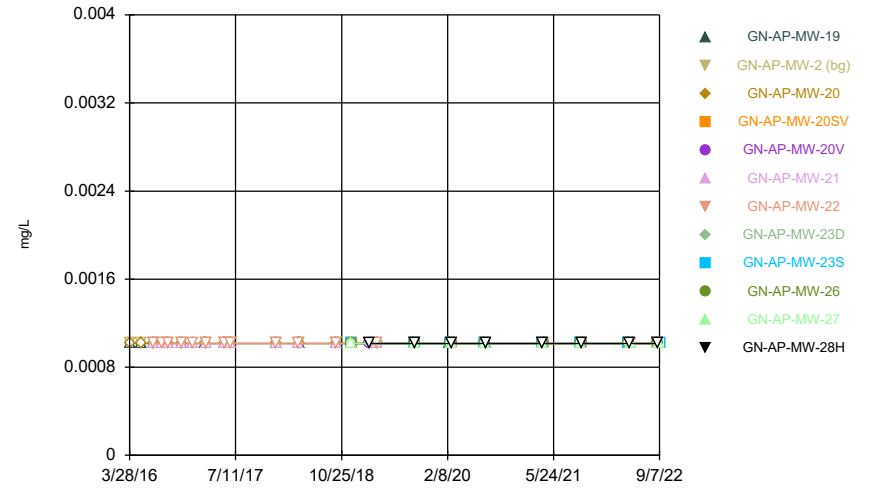


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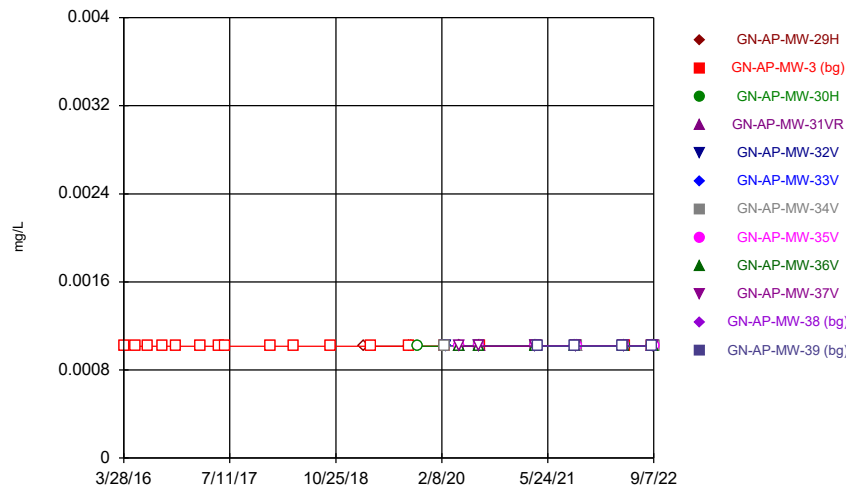
Time Series



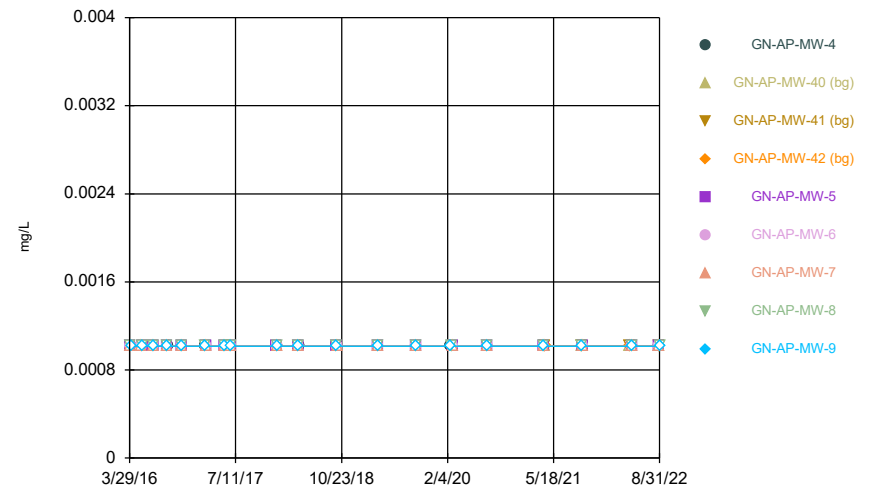
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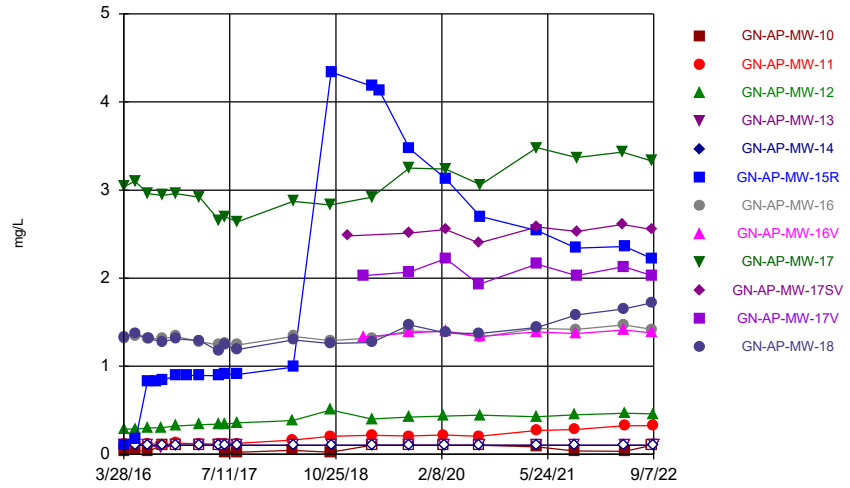
Time Series



Time Series

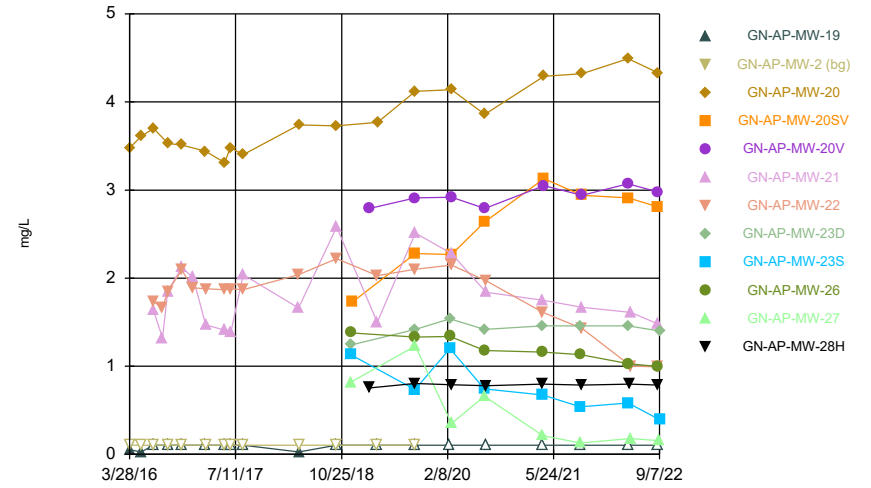


Time Series



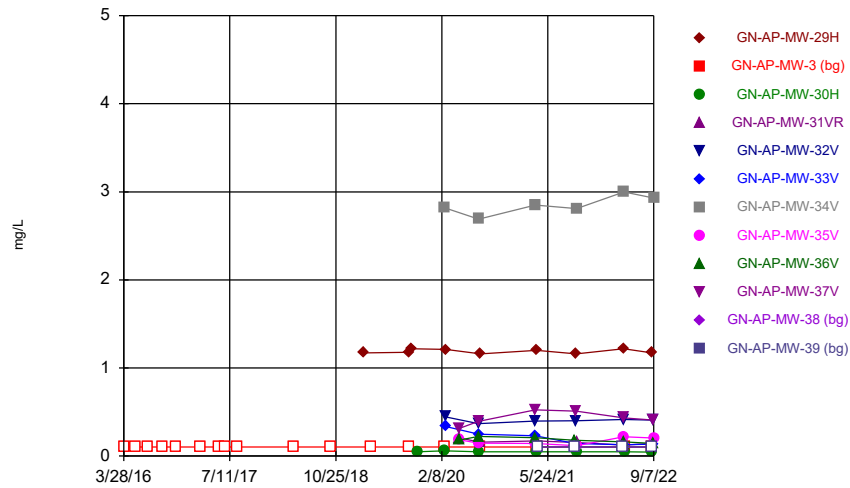
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



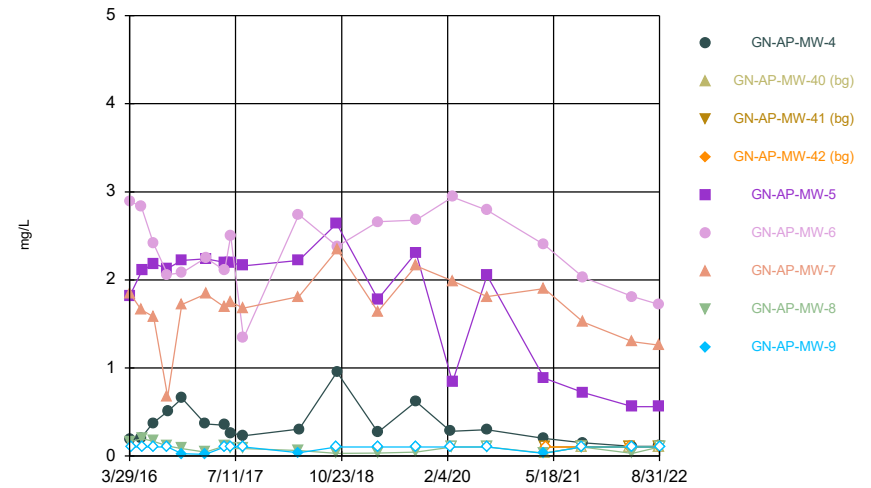
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Time Series



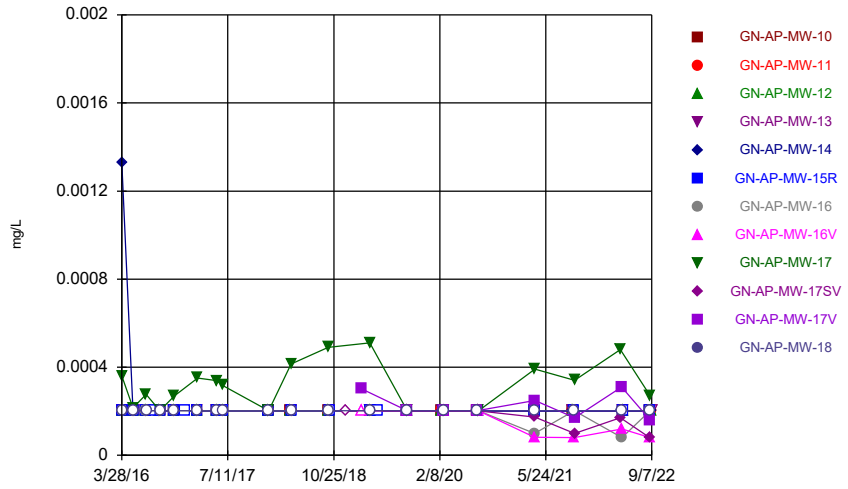
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Time Series



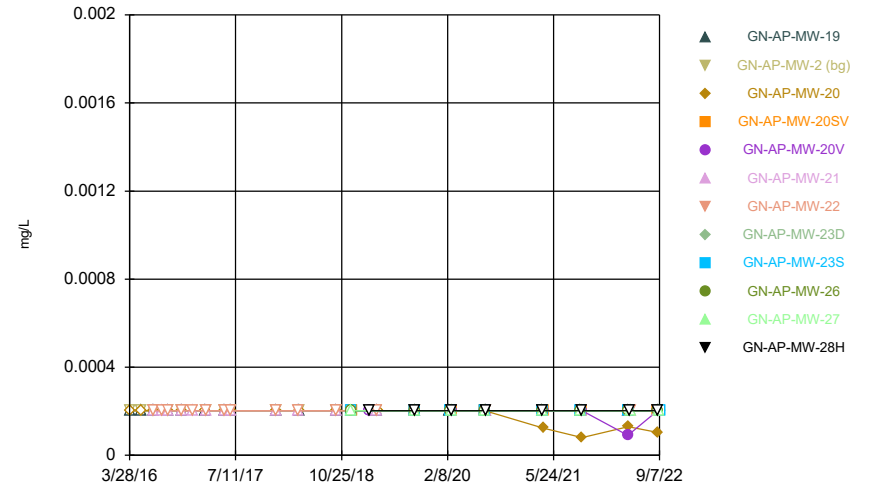
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



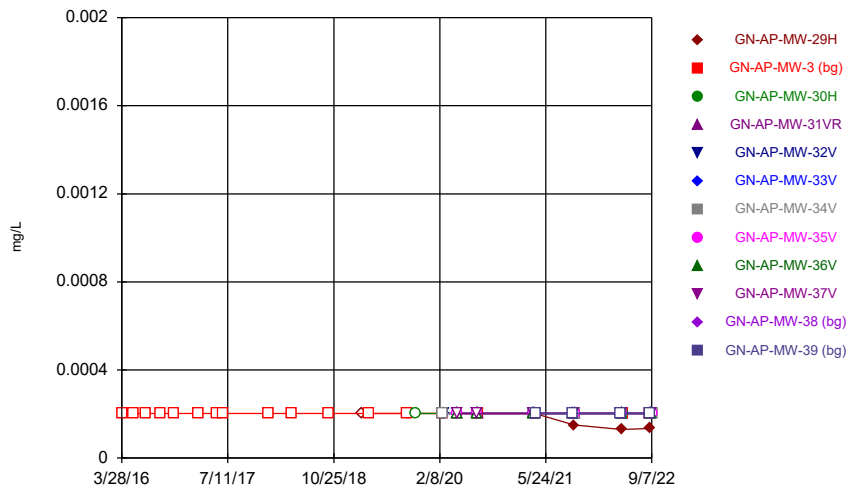
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



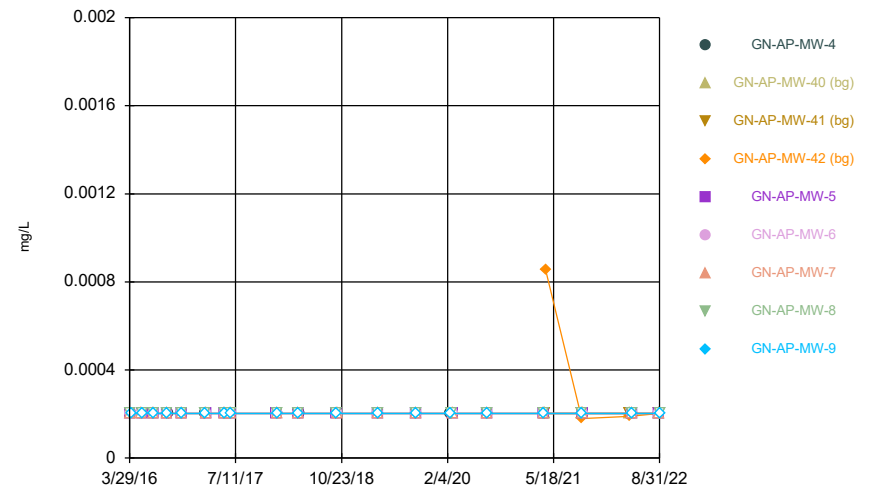
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



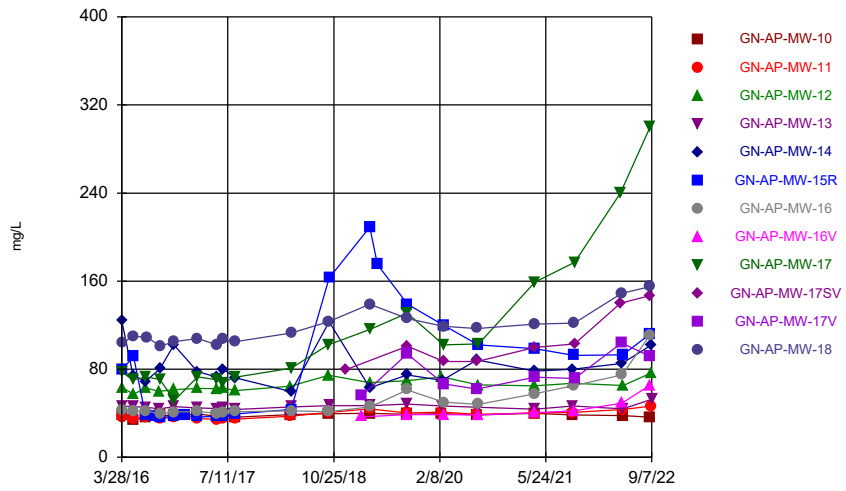
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Time Series



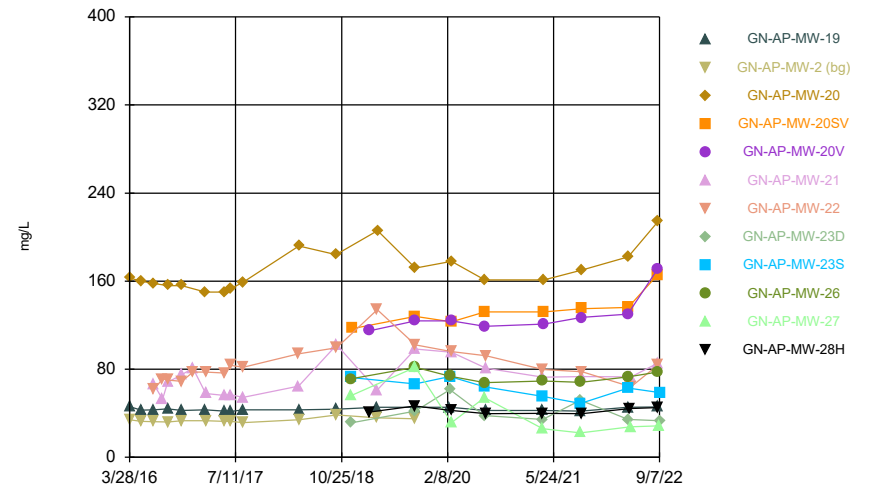
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Time Series



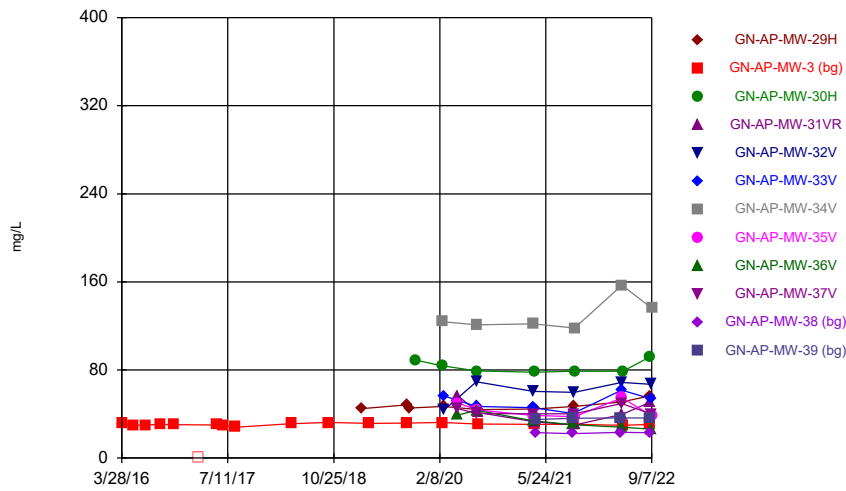
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



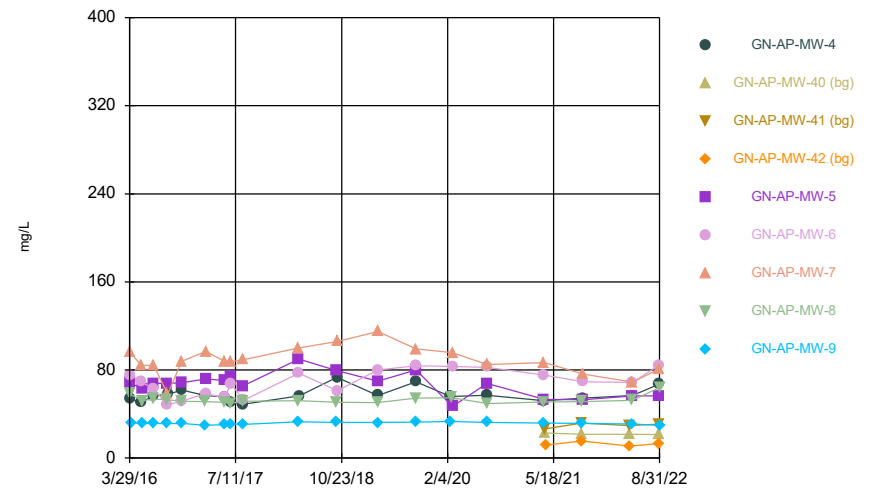
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



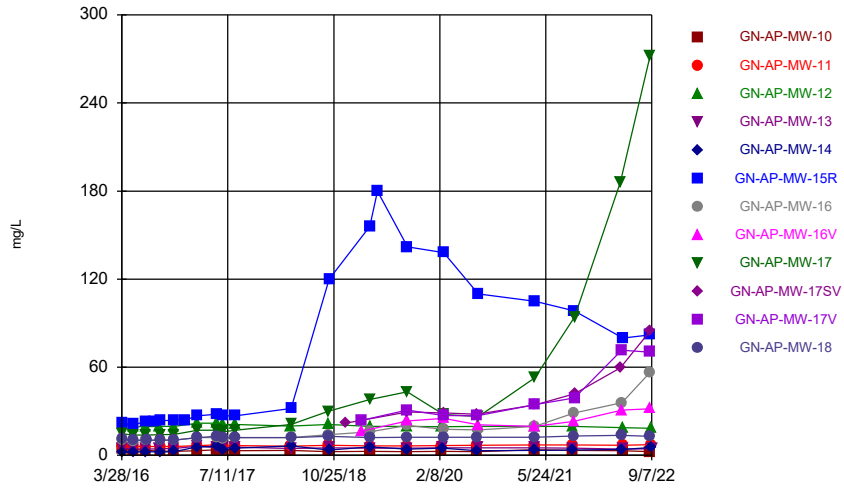
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

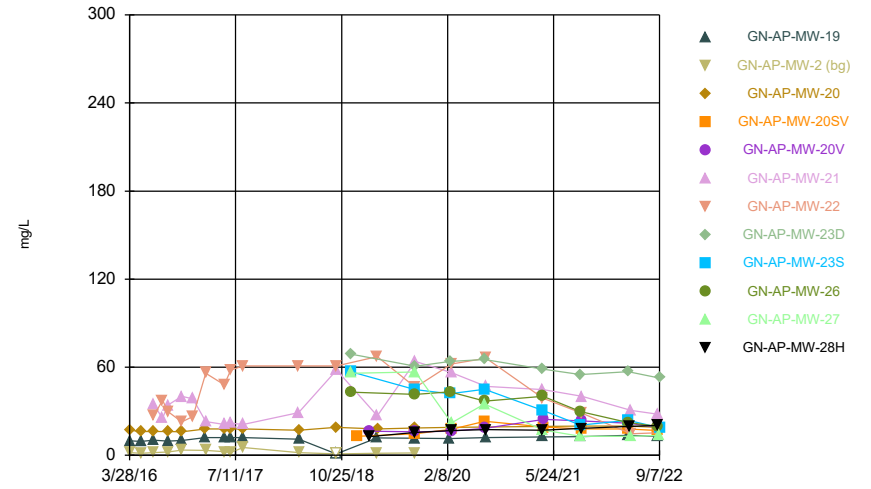
Time Series



Constituent: Chloride Analysis Run 10/31/2022 2:23 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

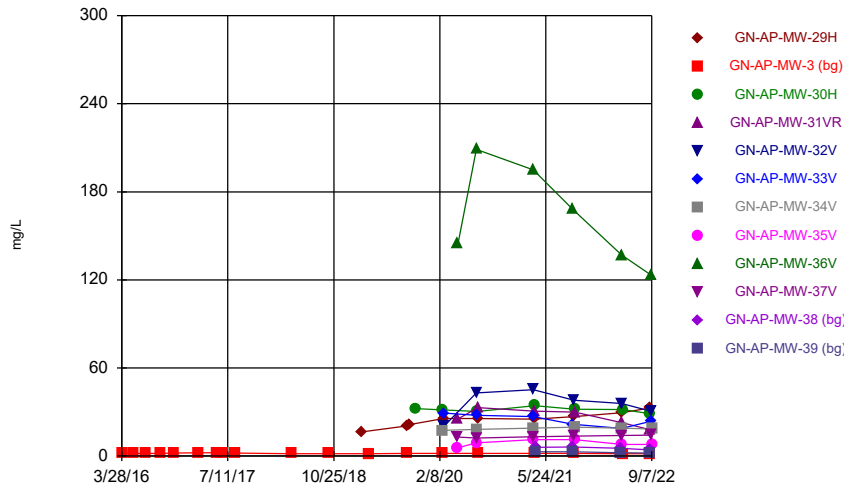
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Time Series



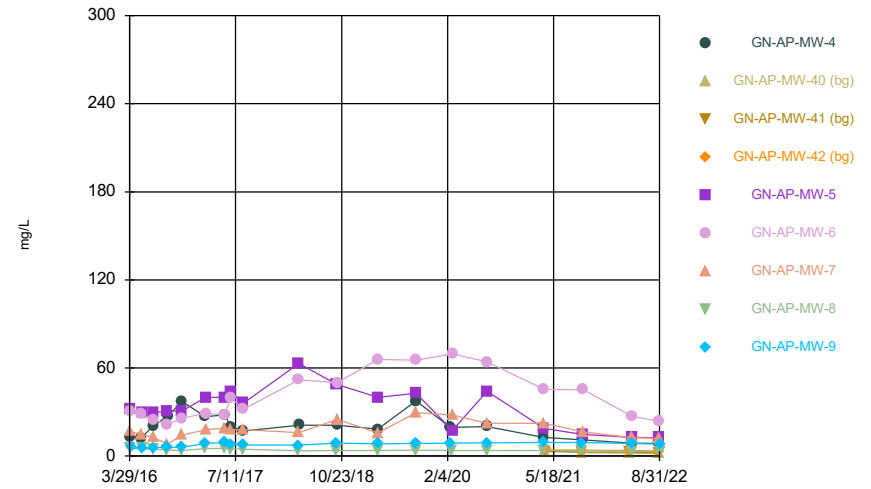
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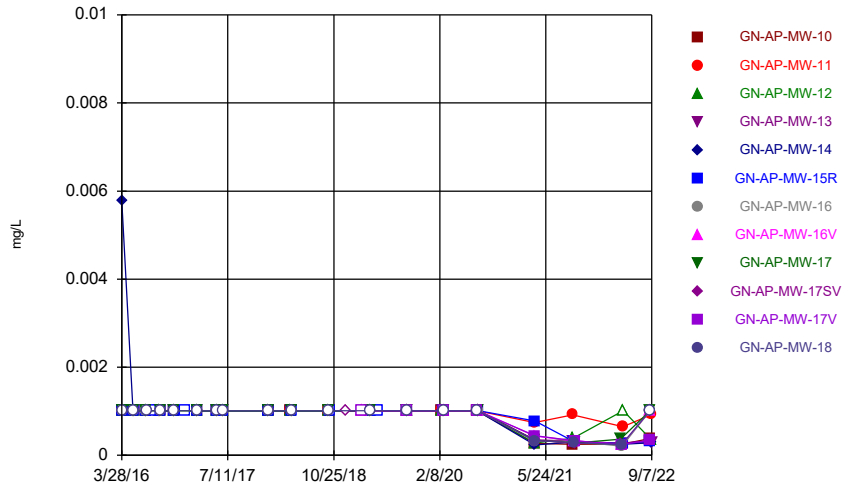
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Time Series



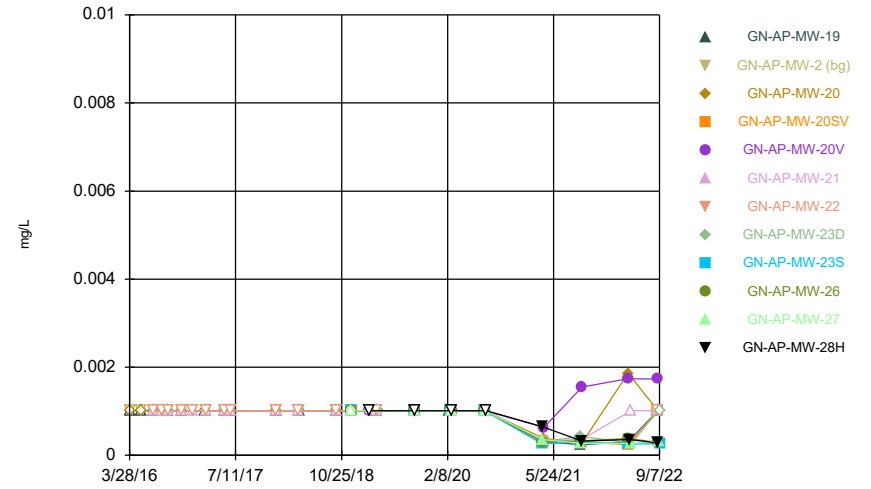
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Time Series



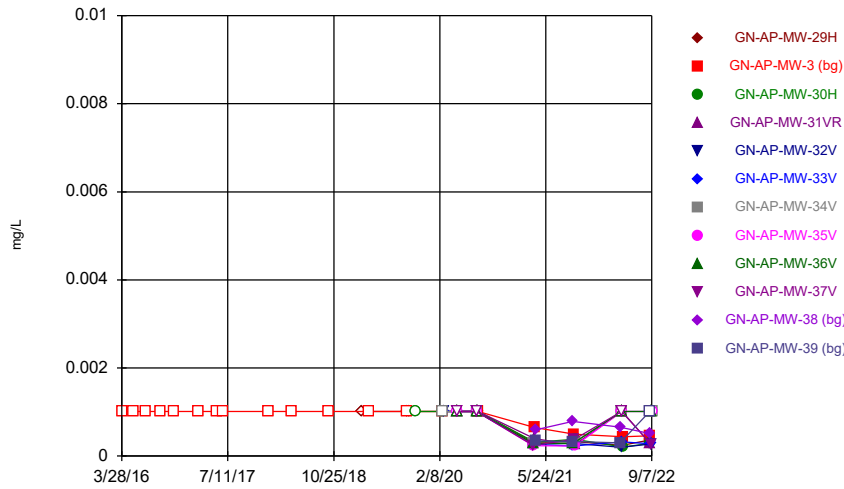
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



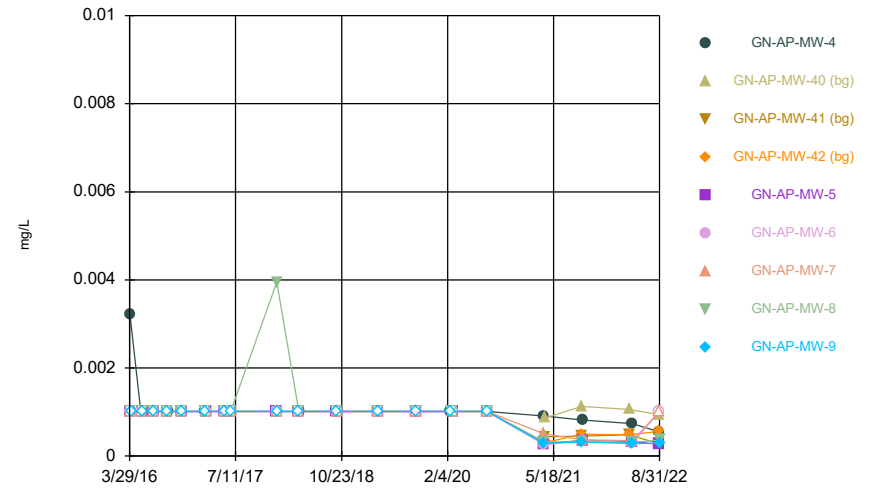
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Time Series



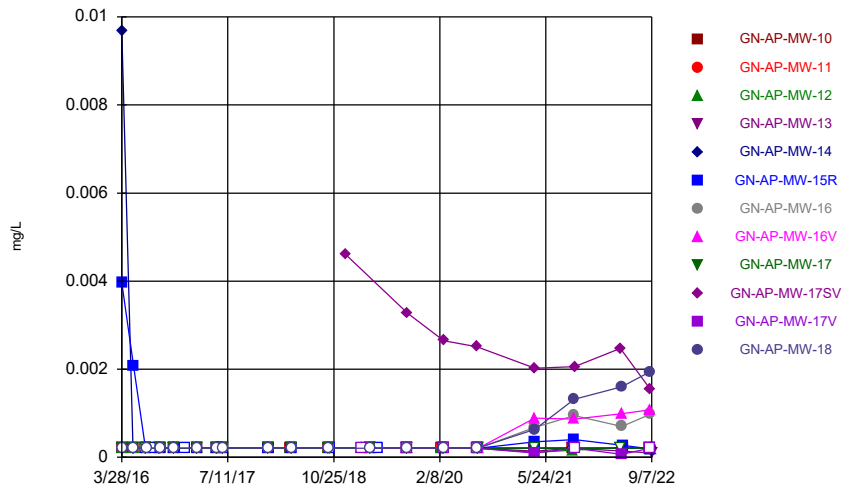
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Time Series



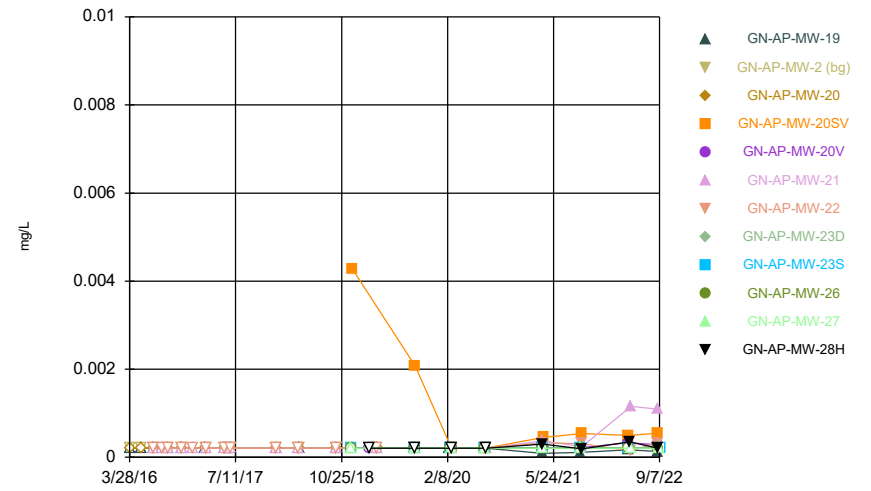
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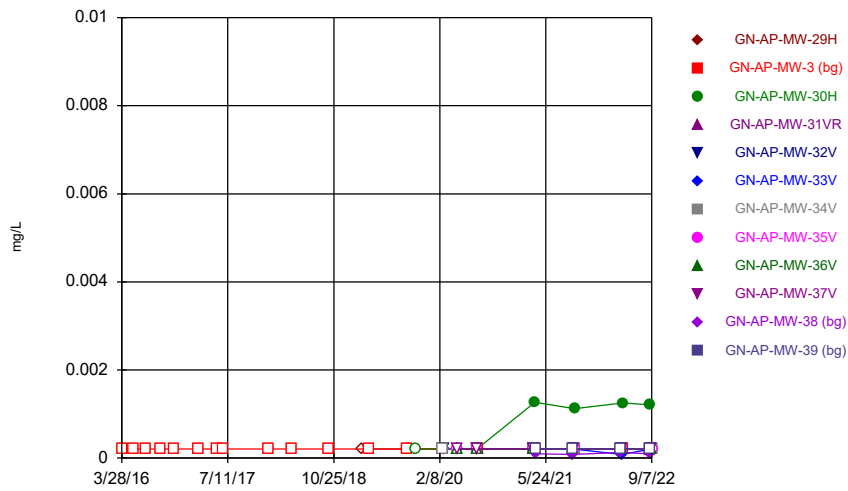
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Time Series



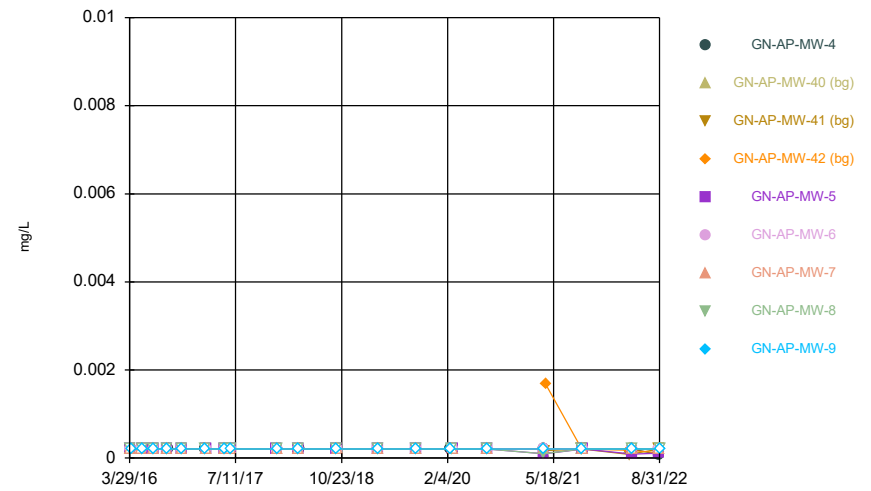
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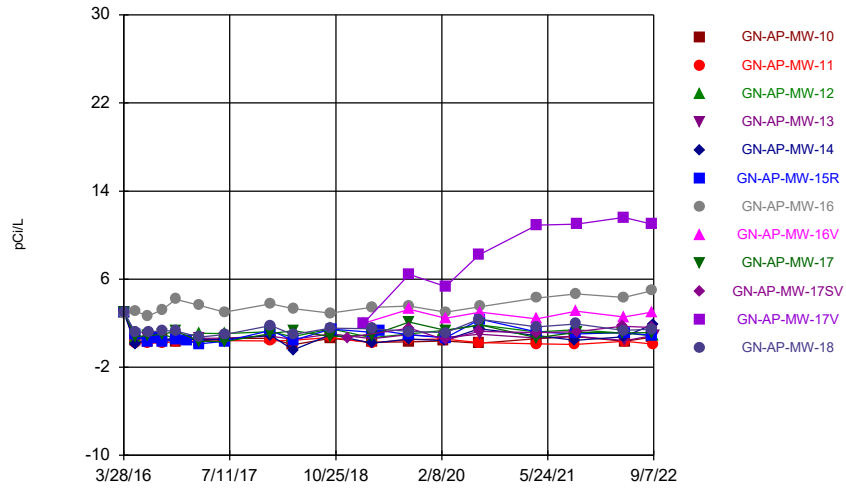
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



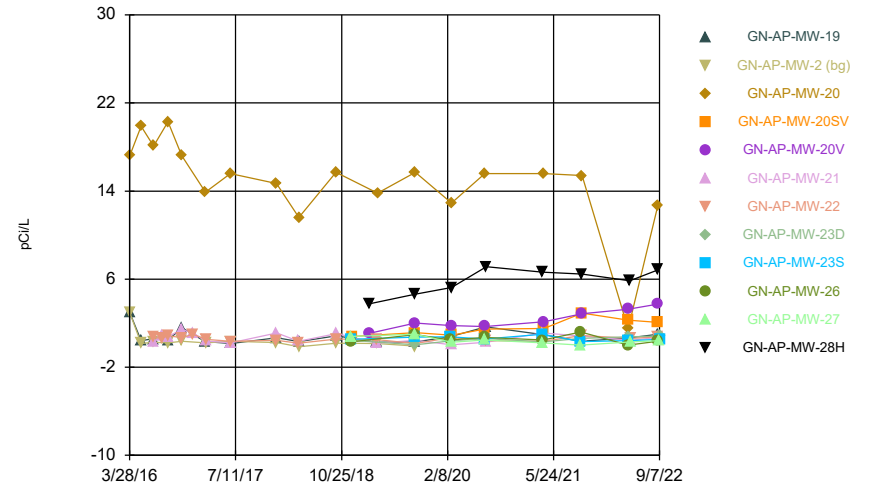
Constituent: Cobalt Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



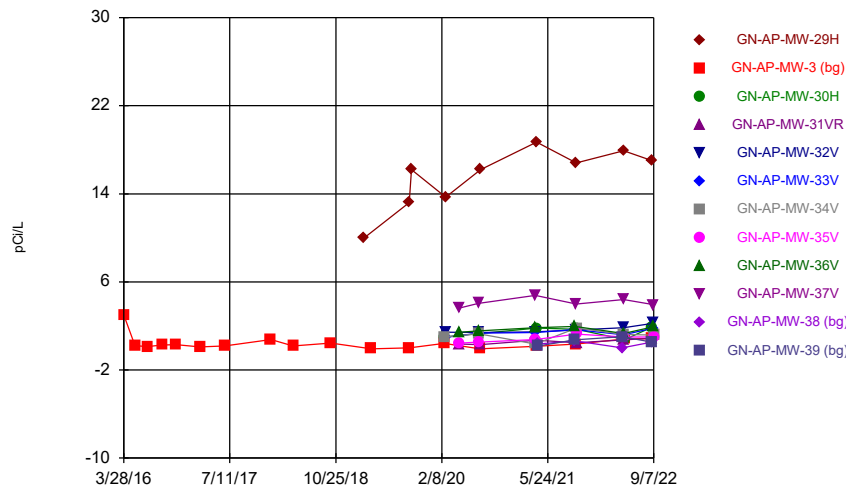
Constituent: Combined Radium 226 + 228 Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



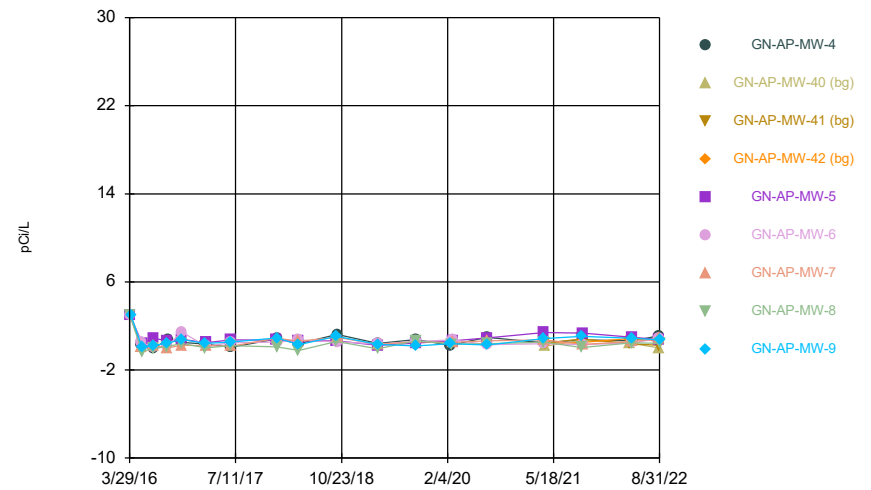
Constituent: Combined Radium 226 + 228 Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



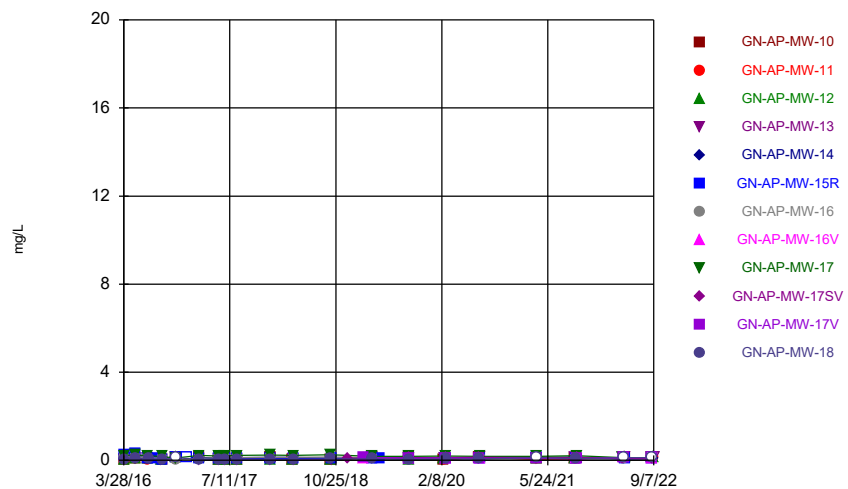
Constituent: Combined Radium 226 + 228 Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



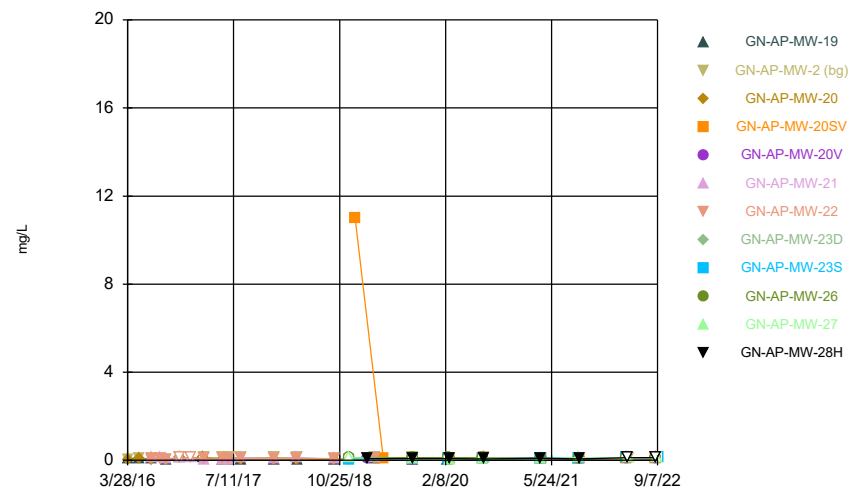
Constituent: Combined Radium 226 + 228 Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



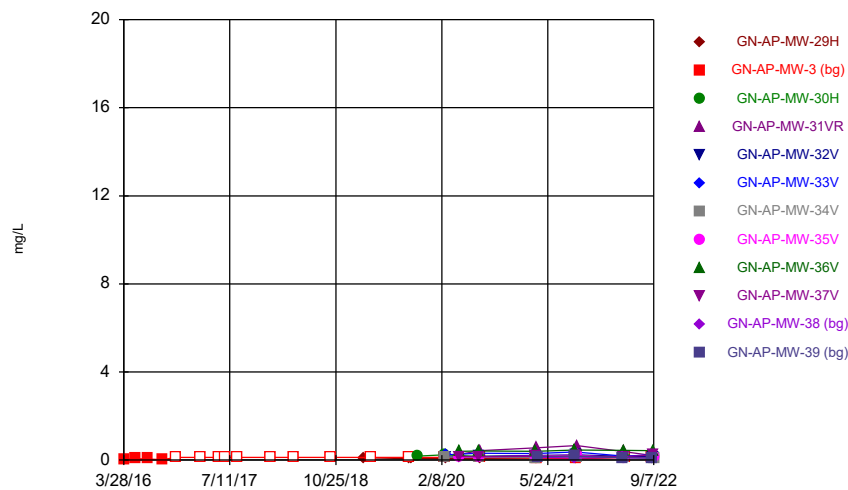
Constituent: Fluoride Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



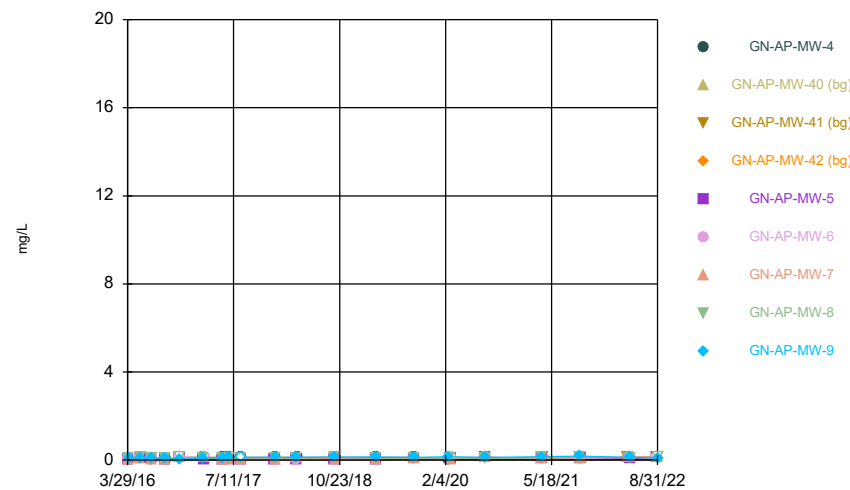
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



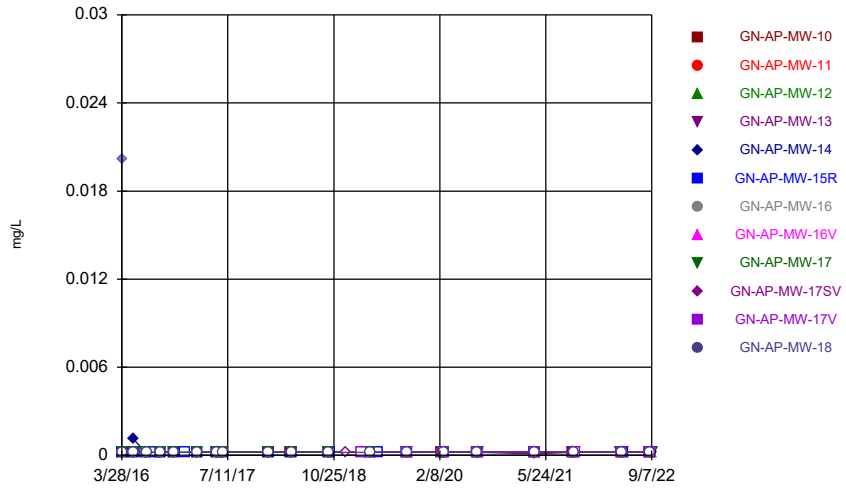
Constituent: Fluoride Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



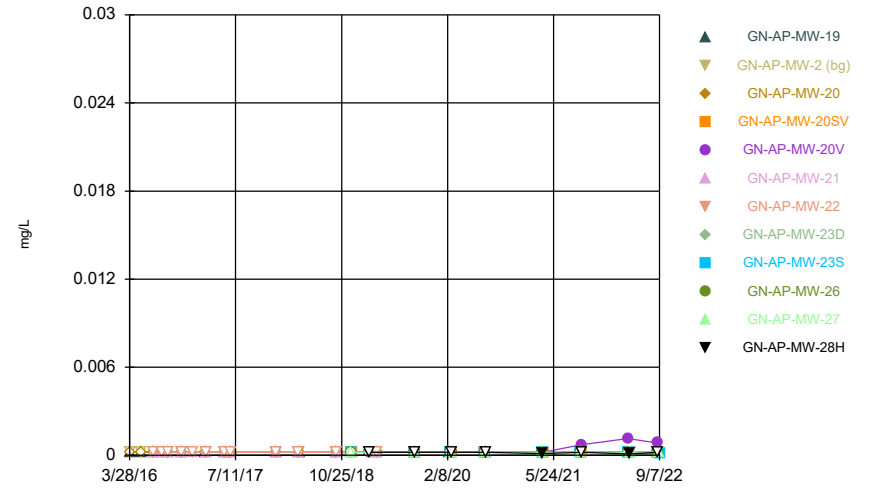
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



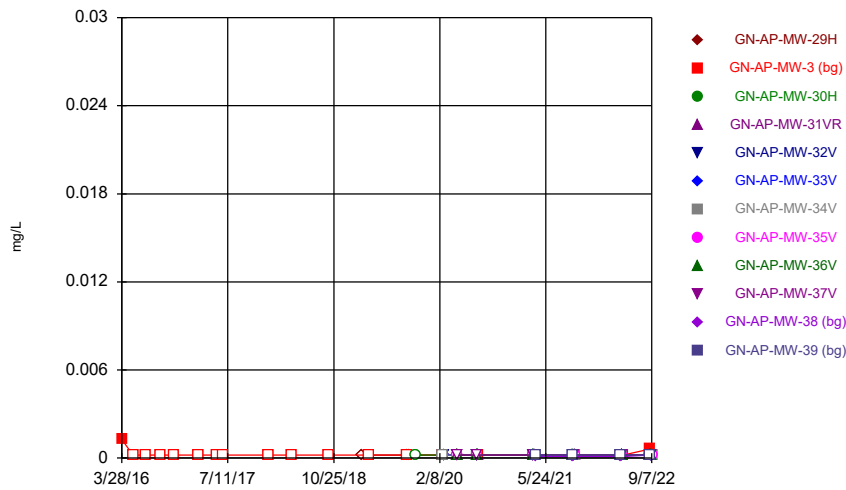
Constituent: Lead Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



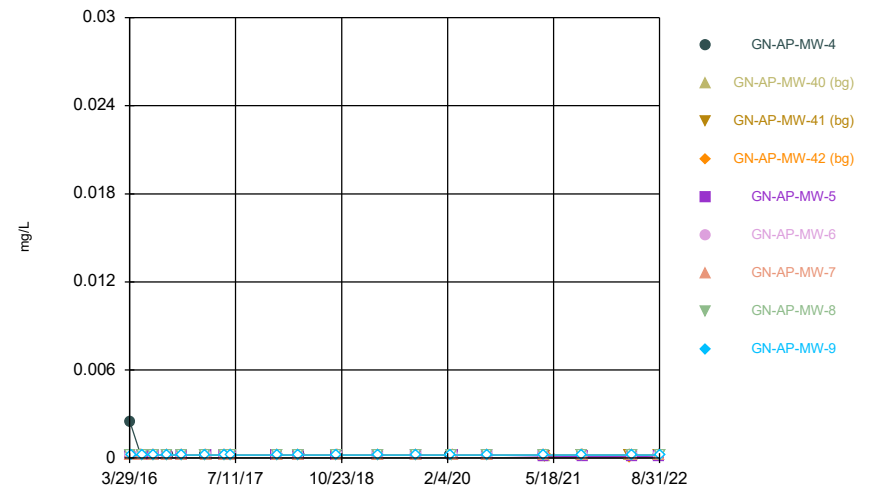
Constituent: Lead Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



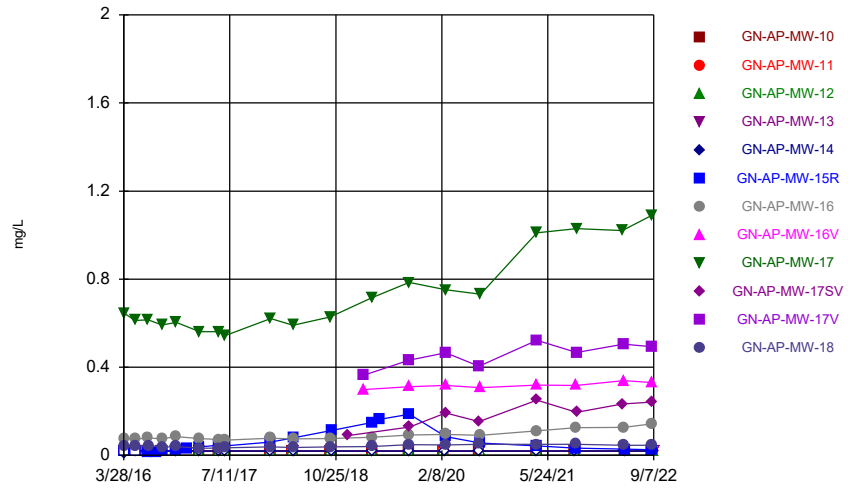
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



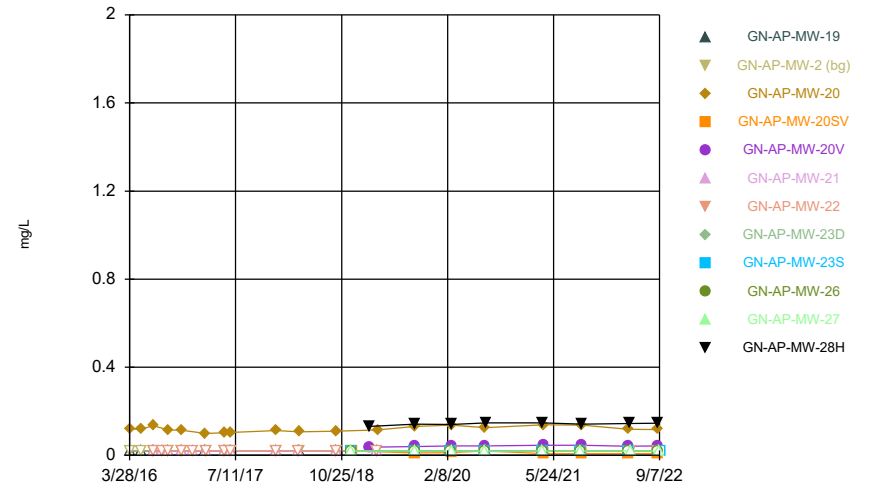
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



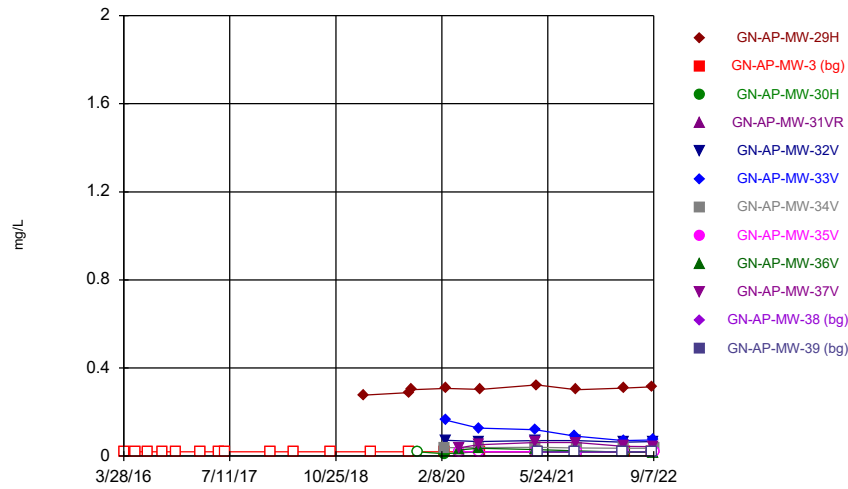
Constituent: Lithium Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



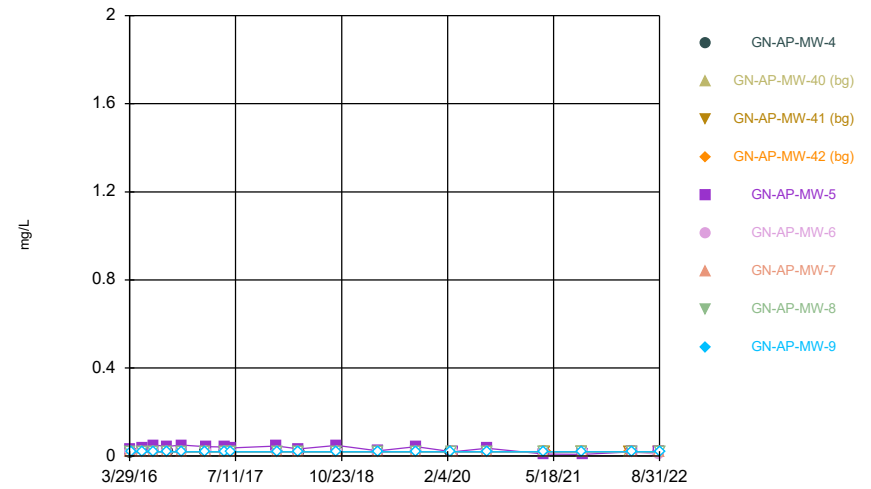
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



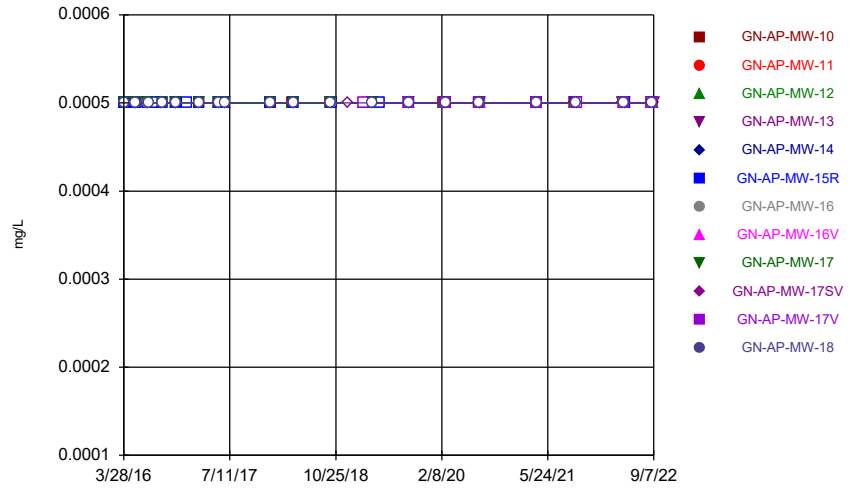
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



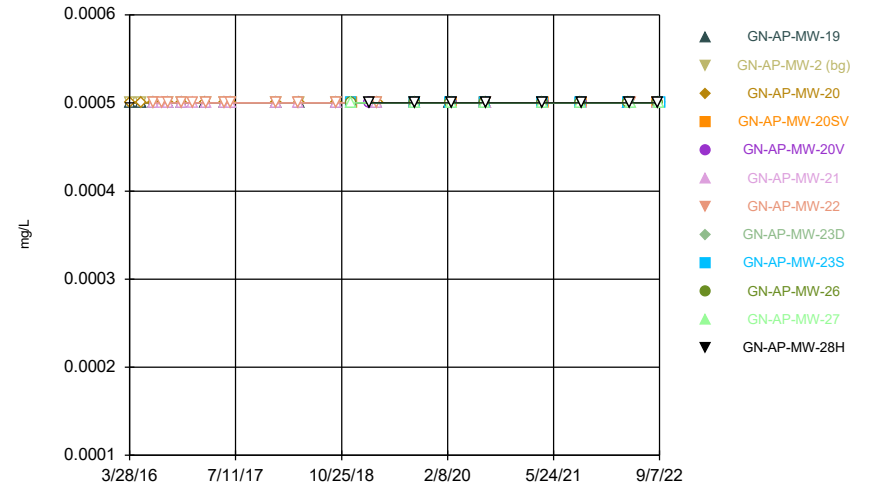
Constituent: Lithium Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



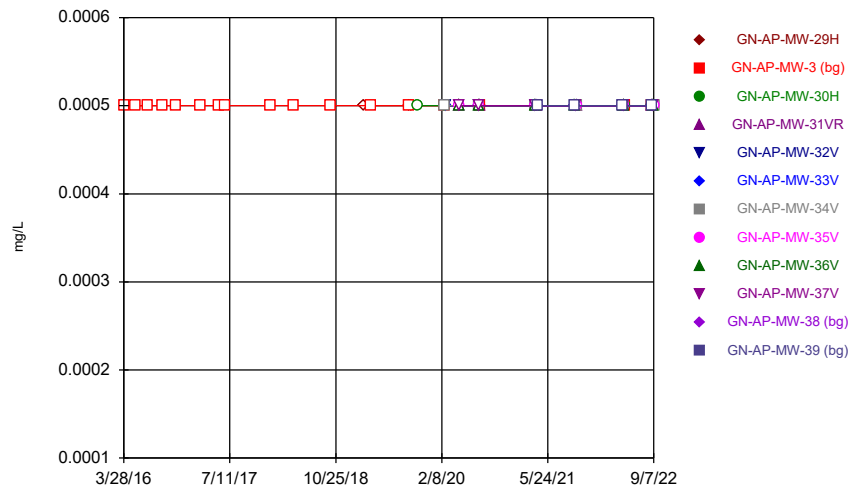
Constituent: Mercury Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



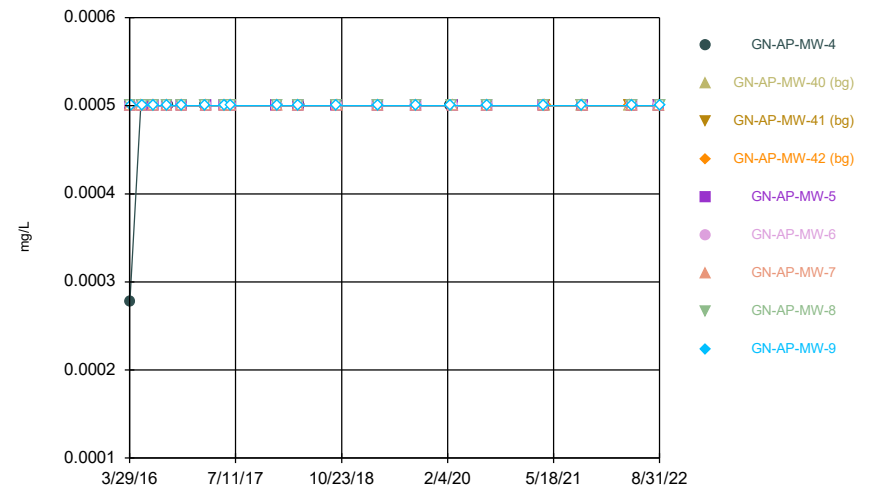
Constituent: Mercury Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



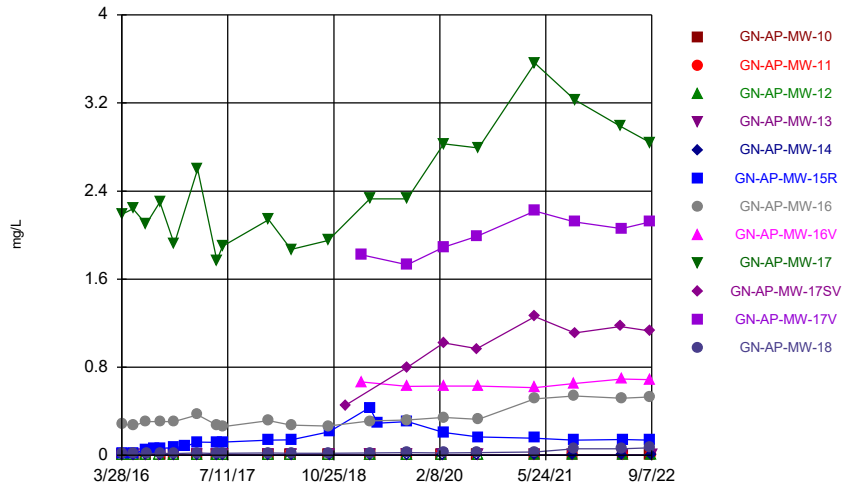
Constituent: Mercury Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



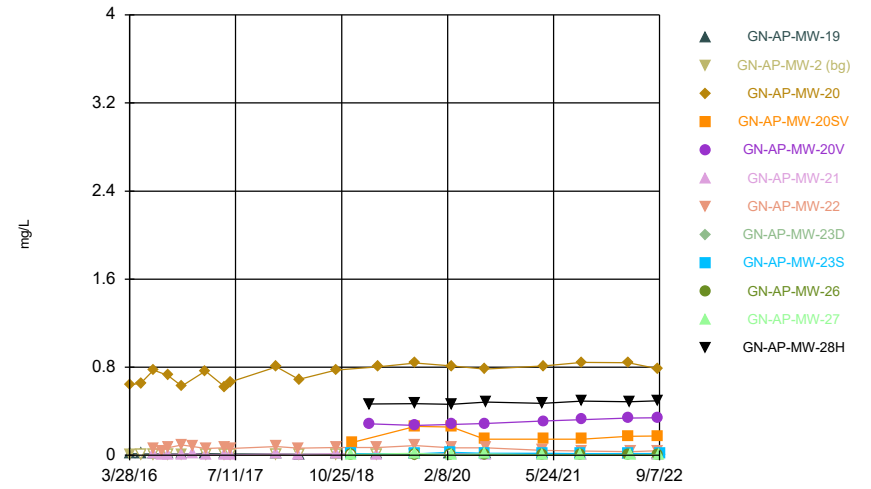
Constituent: Mercury Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



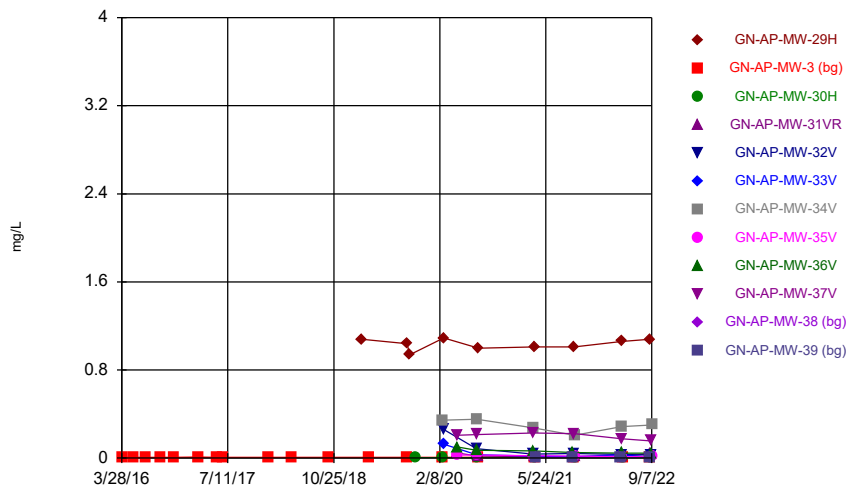
Constituent: Molybdenum Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



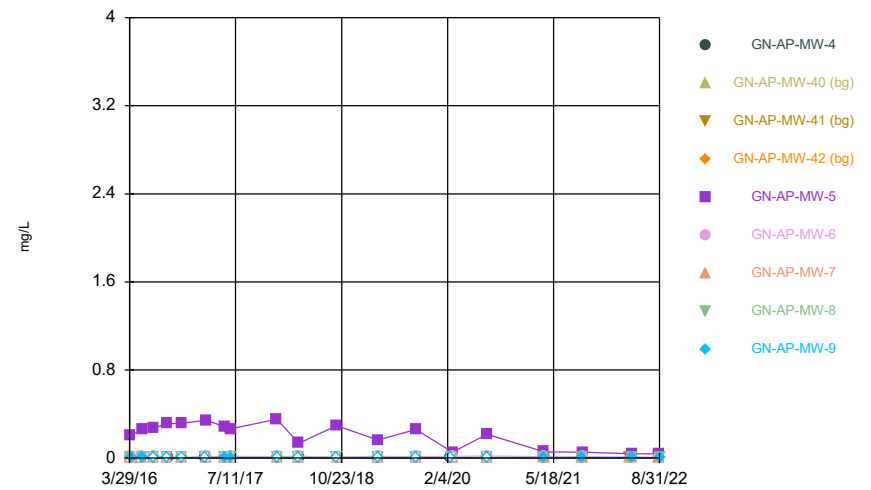
Constituent: Molybdenum Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



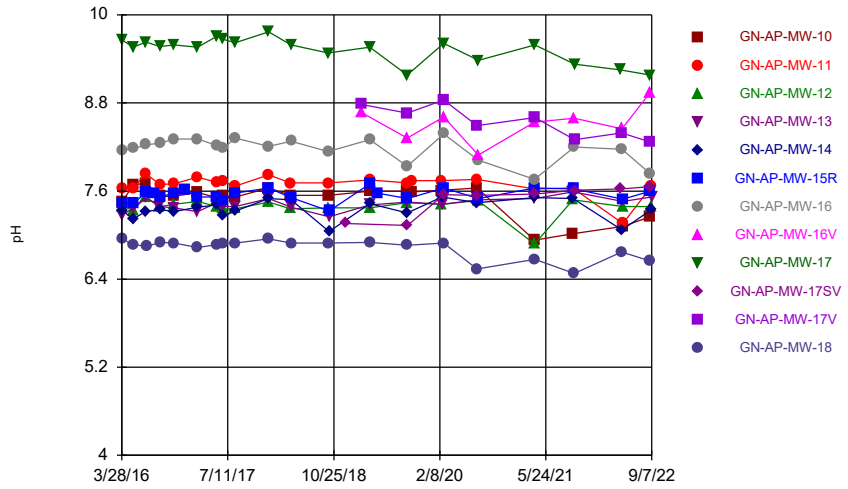
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



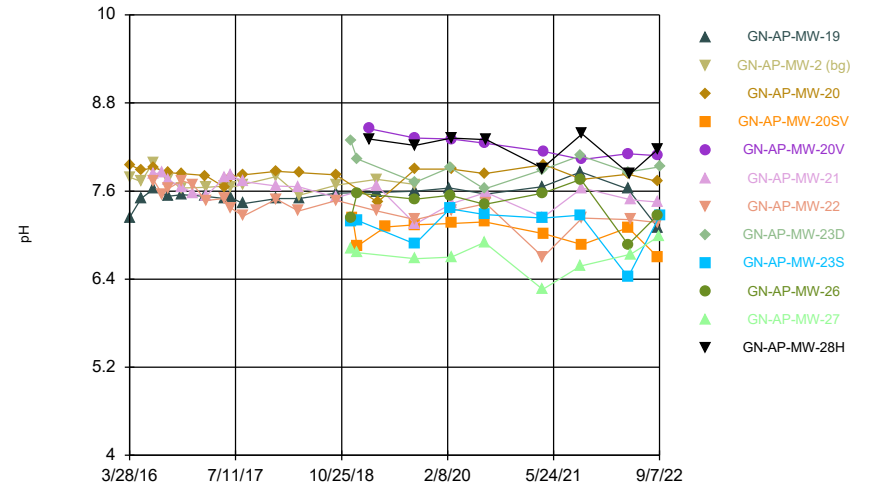
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



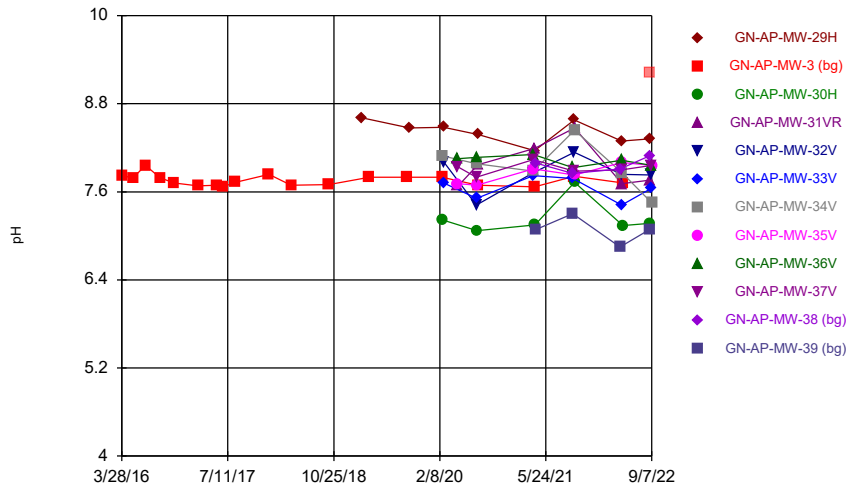
Constituent: pH Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



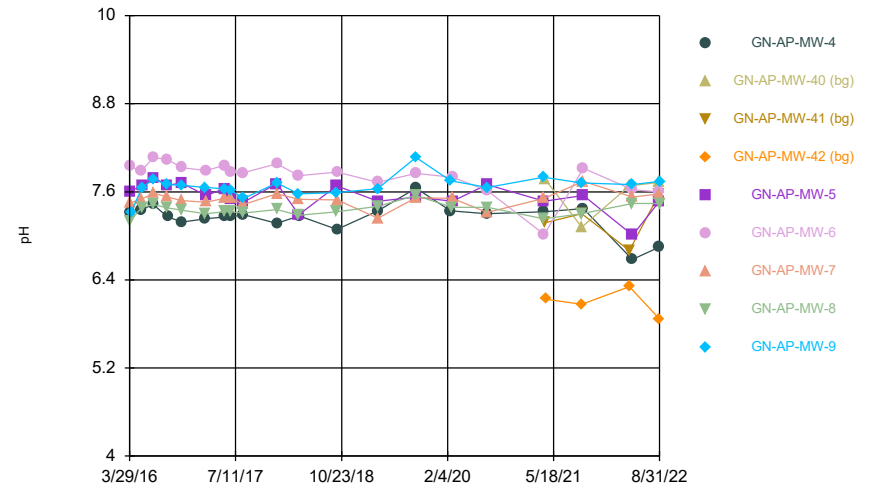
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



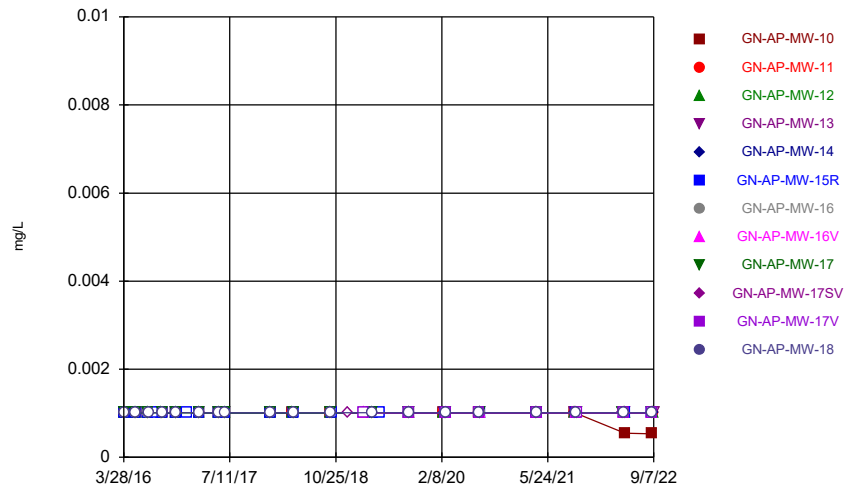
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



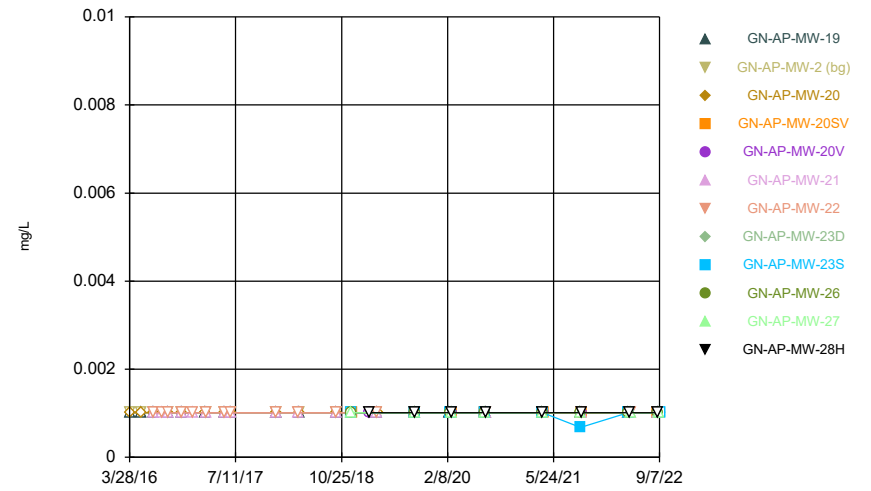
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



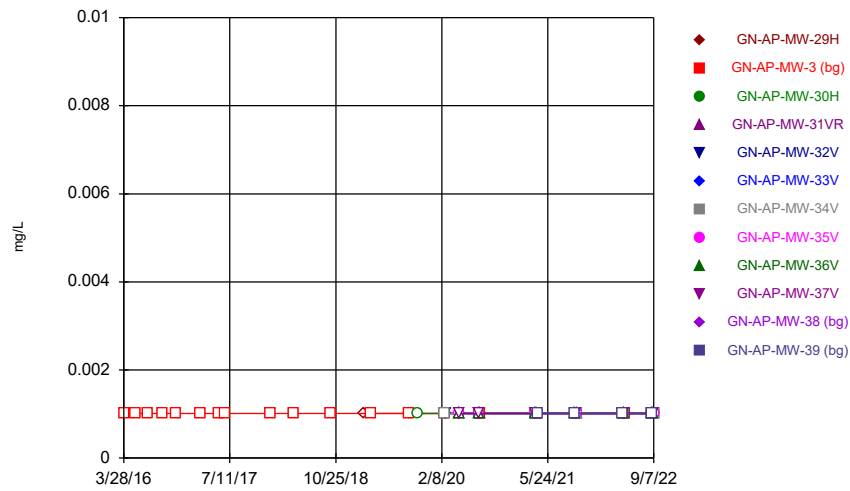
Constituent: Selenium Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



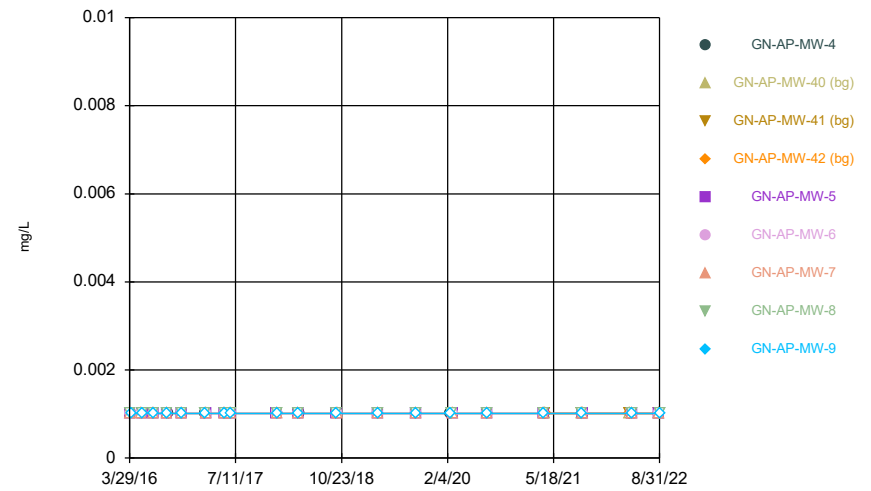
Constituent: Selenium Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



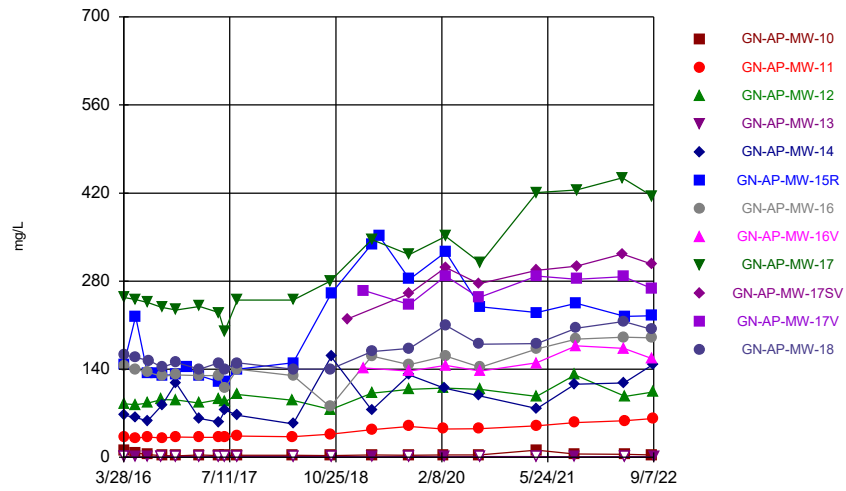
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



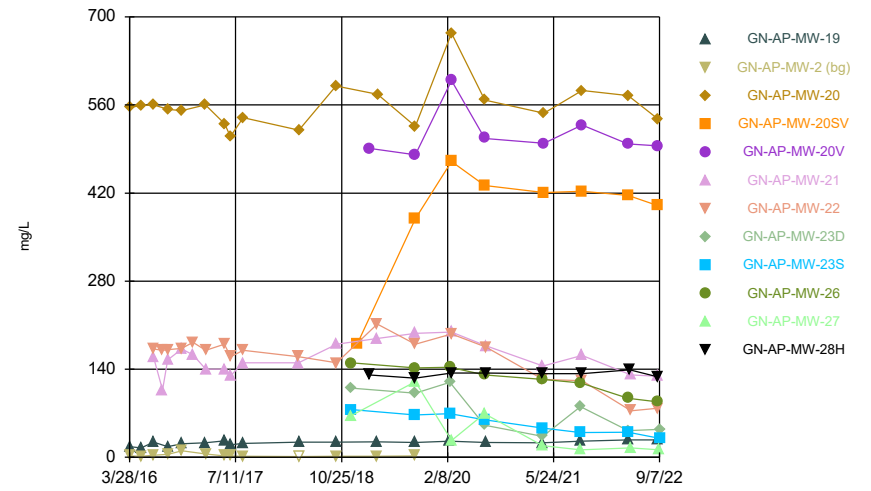
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



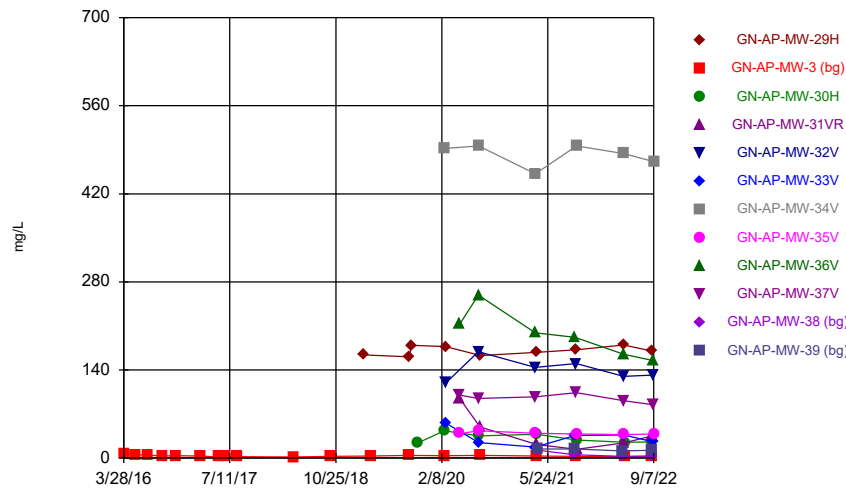
Constituent: Sulfate Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



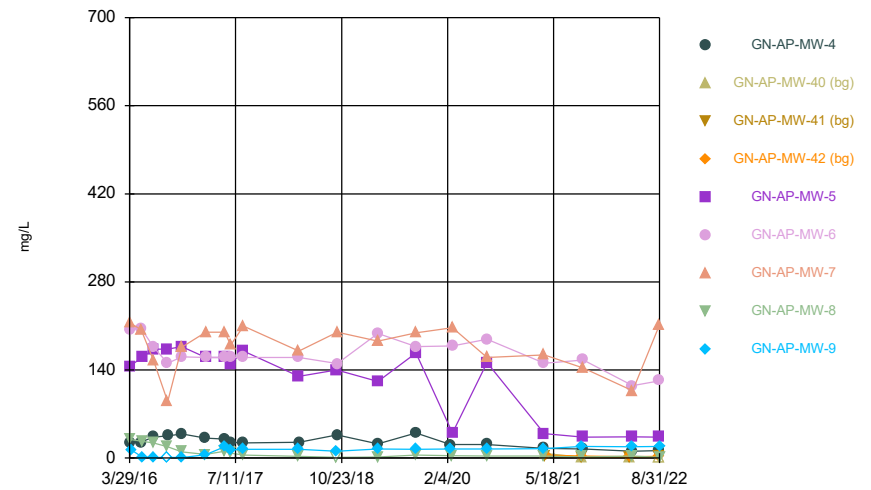
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



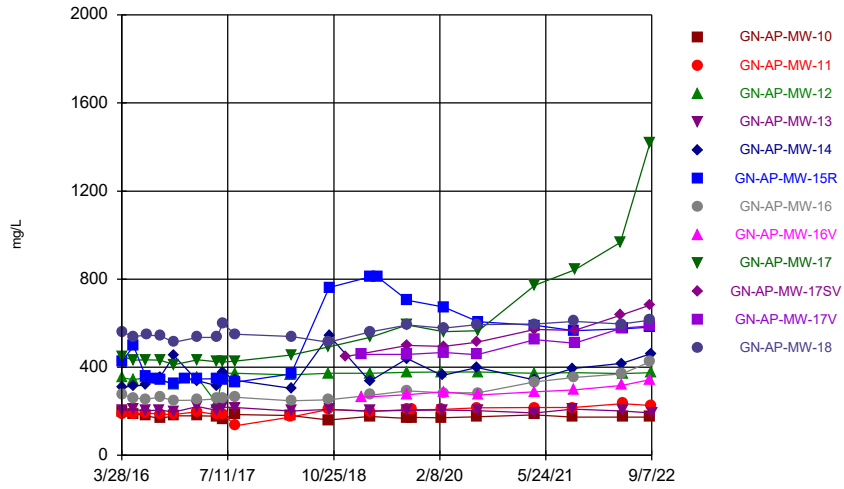
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



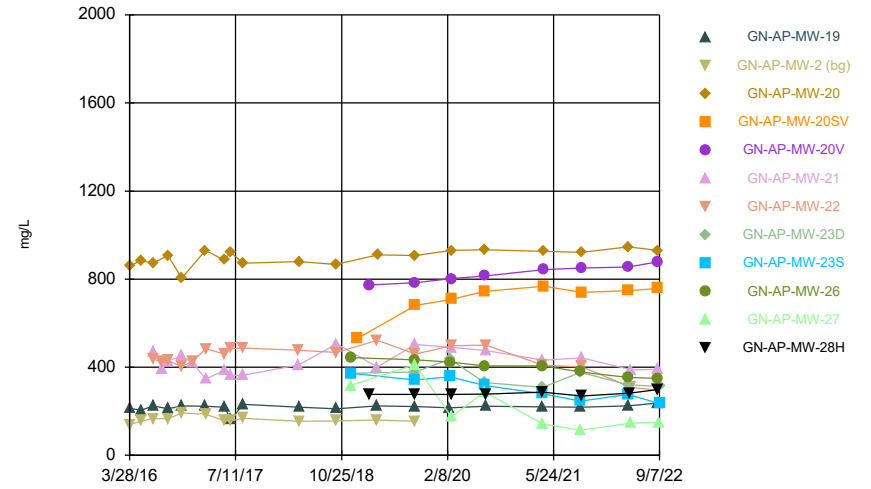
Constituent: Sulfate Analysis Run 10/31/2022 2:24 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



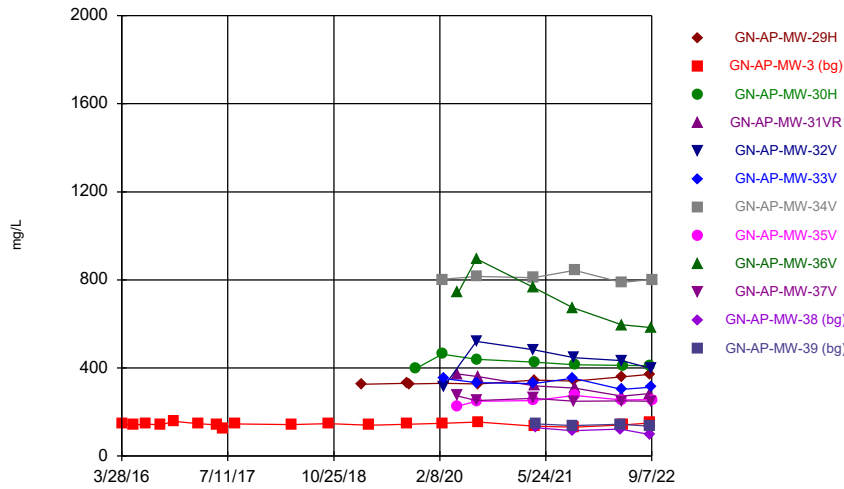
Constituent: TDS Analysis Run 10/31/2022 2:24 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



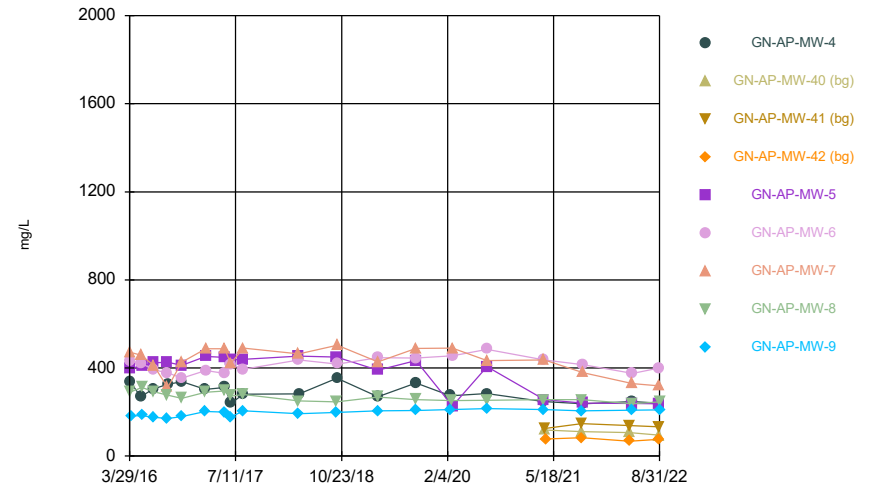
Constituent: TDS Analysis Run 10/31/2022 2:24 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



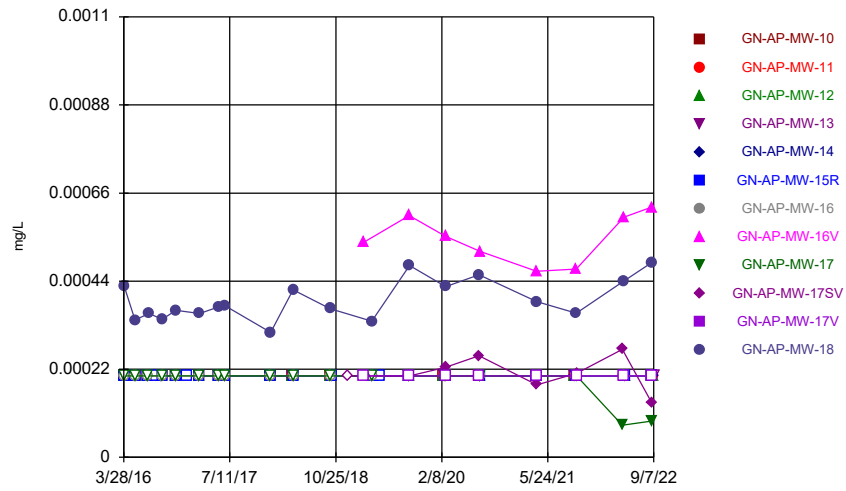
Constituent: TDS Analysis Run 10/31/2022 2:24 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



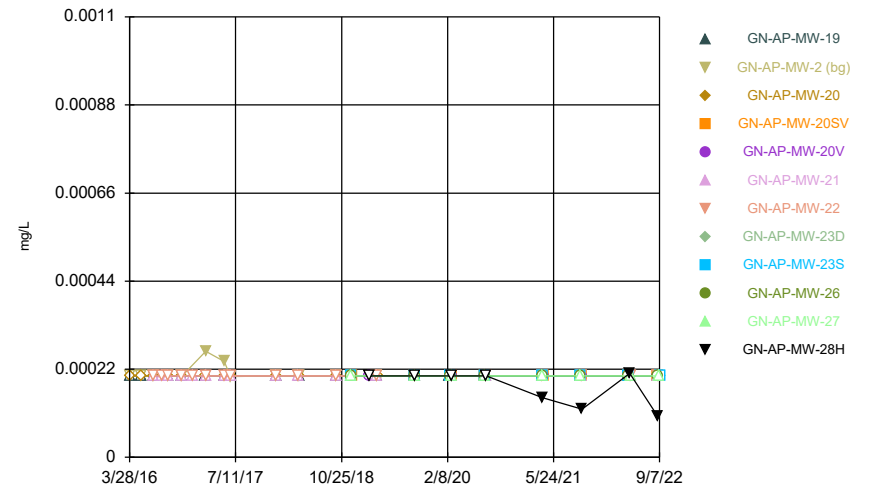
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



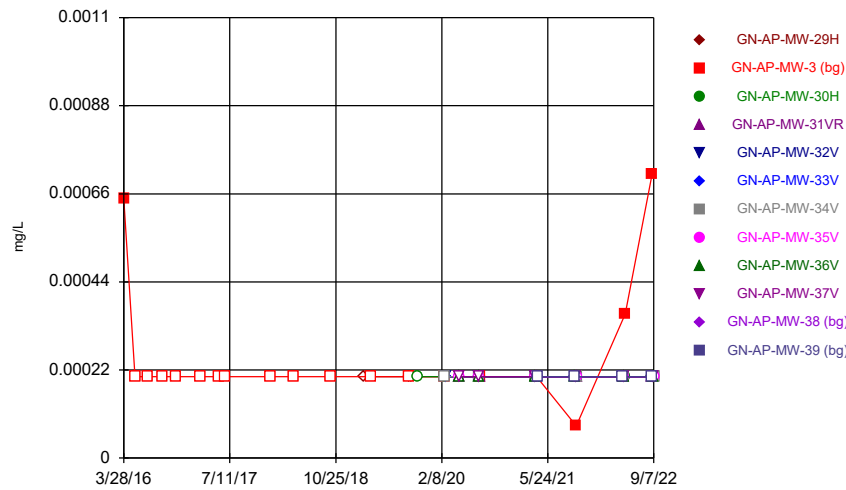
Constituent: Thallium Analysis Run 10/31/2022 2:25 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



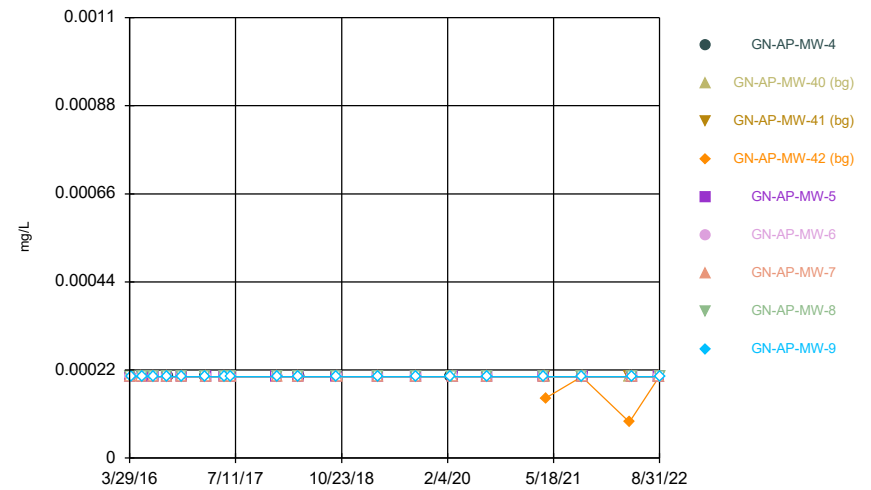
Constituent: Thallium Analysis Run 10/31/2022 2:25 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



Constituent: Thallium Analysis Run 10/31/2022 2:25 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series



Constituent: Thallium Analysis Run 10/31/2022 2:25 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.000985 (J)	0.000862 (J)			
3/29/2016							0.000838 (J)		0.00107 (J)
3/30/2016	<0.001015	<0.001015	<0.001015	<0.001015					
5/17/2016	<0.001015				<0.001015		<0.001015		0.000869 (J)
5/18/2016		<0.001015	<0.001015	<0.001015					
5/19/2016						<0.001015			
7/11/2016					<0.001015	<0.001015			
7/13/2016	<0.001015	<0.001015	<0.001015						
7/14/2016				<0.001015			<0.001015		0.000882 (J)
7/18/2016									
8/22/2016						<0.001015			
9/12/2016			<0.001015	<0.001015					
9/13/2016	<0.001015	<0.001015			<0.001015		<0.001015		0.000807 (J)
9/14/2016						<0.001015			
11/14/2016		<0.001015	<0.001015	0.000748 (J)			<0.001015		
11/15/2016	<0.001015				<0.001015	<0.001015			
11/16/2016									0.000801 (J)
1/3/2017						<0.001015			
2/27/2017					0.00076 (J)	0.000947 (J)			
2/28/2017	0.000753 (J)	0.000823 (J)	0.000648 (J)	0.000755 (J)			0.000632 (J)		0.00129 (J)
5/22/2017	<0.001015	<0.001015				<0.001015			
5/24/2017			<0.001015	<0.001015	<0.001015		<0.001015		0.000774 (J)
6/19/2017	<0.001015	<0.001015					<0.001015		0.000792 (J)
6/20/2017						<0.001015			
6/21/2017			<0.001015	<0.001015	<0.001015				
1/9/2018		<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		0.000904 (J)
1/10/2018	<0.001015								
4/16/2018	<0.001015	<0.001015	<0.001015						
4/19/2018				<0.001015	<0.001015	<0.001015	<0.001015		0.000731 (J)
10/1/2018							<0.001015		<0.001015
10/2/2018	<0.001015								
10/4/2018		<0.001015	<0.001015						
10/5/2018				<0.001015	<0.001015	<0.001015			
12/17/2018									
2/25/2019								<0.001015	
2/27/2019									
4/3/2019	<0.001015	<0.001015	0.000871 (J)	<0.001015	0.000939 (J)	0.00113 (J)	<0.001015		0.00135 (J)
5/7/2019						0.000998 (J)			
9/16/2019	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	
9/17/2019				<0.001015	<0.001015				<0.001015
9/18/2019						<0.001015			
2/17/2020	<0.001015	<0.001015							
2/18/2020			<0.001015						
2/19/2020				<0.001015	<0.001015				
2/25/2020						<0.001015	<0.001015	<0.001015	
2/26/2020									<0.001015
7/22/2020	<0.001015	<0.001015							
7/23/2020					<0.001015				
7/27/2020			<0.001015	<0.001015					
7/28/2020						<0.001015	<0.001015	<0.001015	
7/29/2020									0.000845 (J)
4/5/2021	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.001015	<0.001015	<0.001015			0.000633 (J)
9/21/2021	<0.001015	<0.001015							
9/22/2021			<0.001015	<0.001015	<0.001015				
9/28/2021						<0.001015	<0.001015	<0.001015	
9/29/2021									<0.001015
4/20/2022									0.00068 (J)
4/26/2022									
4/27/2022					<0.001015		<0.001015	<0.001015	
5/2/2022	<0.001015	<0.001015		<0.001015		<0.001015			
5/3/2022			<0.001015						
8/30/2022							<0.001015	<0.001015	<0.001015
8/31/2022	<0.001015					<0.001015			
9/6/2022		<0.001015	<0.001015		<0.001015				
9/7/2022				<0.001015					

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.001015
3/30/2016			
5/17/2016			<0.001015
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.001015
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.001015
11/14/2016			<0.001015
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.000728 (J)
5/22/2017			
5/24/2017			<0.001015
6/19/2017			<0.001015
6/20/2017			
6/21/2017			
1/9/2018			<0.001015
1/10/2018			
4/16/2018			
4/19/2018			<0.001015
10/1/2018			<0.001015
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.001015		
2/25/2019			
2/27/2019		<0.001015	
4/3/2019			<0.001015
5/7/2019			
9/16/2019			
9/17/2019		<0.001015	
9/18/2019	<0.001015		<0.001015
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.001015
2/26/2020	<0.001015	<0.001015	
7/22/2020			<0.001015
7/23/2020	<0.001015	<0.001015	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.001015	<0.001015	<0.001015
9/21/2021			
9/22/2021			
9/28/2021			<0.001015
9/29/2021	<0.001015	<0.001015	
4/20/2022	<0.001015		
4/26/2022		<0.001015	<0.001015
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.001015
8/31/2022	<0.001015	<0.001015	
9/6/2022			
9/7/2022			

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.001015	<0.001015							
3/29/2016			<0.001015						
5/18/2016	<0.001015	<0.001015	<0.001015						
7/11/2016		<0.001015							
7/13/2016	<0.001015		<0.001015			<0.001015			
7/14/2016							<0.001015		
8/22/2016						<0.001015	<0.001015		
9/13/2016	<0.001015					<0.001015	<0.001015		
9/14/2016		<0.001015	<0.001015						
11/14/2016			<0.001015						
11/15/2016						<0.001015	<0.001015		
11/16/2016	<0.001015	<0.001015							
1/3/2017						<0.001015	<0.001015		
2/27/2017	<0.001015								
2/28/2017			0.000643 (J)						
3/1/2017		0.00062 (J)				<0.001015	0.000678 (J)		
5/22/2017	<0.001015								
5/23/2017		<0.001015				<0.001015	<0.001015		
5/24/2017			<0.001015						
6/19/2017		<0.001015	<0.001015						
6/20/2017						<0.001015	<0.001015		
6/21/2017	<0.001015								
1/9/2018			<0.001015					<0.001015	
1/10/2018	<0.001015	<0.001015				<0.001015			
4/17/2018						<0.001015	<0.001015		
4/19/2018	<0.001015	<0.001015	<0.001015						
10/1/2018			<0.001015						
10/2/2018	<0.001015								
10/3/2018		<0.001015							
10/4/2018						<0.001015	<0.001015		
12/5/2018								<0.001015	<0.001015
12/6/2018									
12/13/2018				0.000904 (J)					
2/26/2019									
2/27/2019					<0.001015				
4/1/2019	0.00123 (J)	0.000946 (J)							
4/2/2019						<0.001015	<0.001015		
4/3/2019			<0.001015						
9/16/2019									
9/17/2019									<0.001015
9/18/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	0.000804 (J)	
2/18/2020	<0.001015								
2/19/2020								<0.001015	<0.001015
2/25/2020			<0.001015	<0.001015	<0.001015				
2/26/2020						<0.001015	<0.001015		
7/21/2020								<0.001015	<0.001015
7/22/2020			<0.001015	<0.001015	<0.001015				
7/27/2020	<0.001015								
7/28/2020						<0.001015	<0.001015		
7/29/2020									
4/5/2021	<0.001015								
4/6/2021								<0.001015	<0.001015

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.001015	<0.001015		
4/12/2021			<0.001015	<0.001015	<0.001015				
9/21/2021								<0.001015	<0.001015
9/22/2021	<0.001015								
9/27/2021						<0.001015	<0.001015		
9/28/2021			<0.001015	<0.001015	<0.001015				
4/19/2022	<0.001015				<0.001015				
4/20/2022			<0.001015	<0.001015				<0.001015	<0.001015
4/27/2022									
5/2/2022									
5/3/2022						<0.001015	<0.001015		
8/29/2022					<0.001015				
8/30/2022	<0.001015		<0.001015	<0.001015		<0.001015	<0.001015		
8/31/2022									
9/6/2022									
9/7/2022								<0.001015	<0.001015

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.001015	
12/6/2018	<0.001015		
12/13/2018			
2/26/2019			<0.001015
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.001015
9/17/2019			
9/18/2019	<0.001015	<0.001015	
2/18/2020			
2/19/2020	<0.001015		
2/25/2020		<0.001015	<0.001015
2/26/2020			
7/21/2020		<0.001015	
7/22/2020	<0.001015		
7/27/2020			
7/28/2020			
7/29/2020			<0.001015
4/5/2021			<0.001015
4/6/2021		<0.001015	

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.001015		
4/12/2021			
9/21/2021		<0.001015	
9/22/2021	<0.001015		
9/27/2021			
9/28/2021			<0.001015
4/19/2022			
4/20/2022	<0.001015		
4/27/2022			<0.001015
5/2/2022		<0.001015	
5/3/2022			
8/29/2022	<0.001015		
8/30/2022			
8/31/2022			<0.001015
9/6/2022		<0.001015	
9/7/2022			

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.001015							
5/17/2016		<0.001015							
7/11/2016		<0.001015							
9/14/2016		<0.001015							
11/16/2016		<0.001015							
3/1/2017		0.000613 (J)							
5/23/2017		<0.001015							
6/19/2017		<0.001015							
1/10/2018		<0.001015							
4/19/2018		<0.001015							
10/3/2018		<0.001015							
2/26/2019	<0.001015								
4/2/2019		<0.001015							
9/17/2019	<0.001015	<0.001015							
9/26/2019	<0.001015								
10/22/2019			<0.001015						
2/19/2020		<0.001015	<0.001015				<0.001015		
2/25/2020	<0.001015					<0.001015			
2/26/2020					<0.001015				
4/29/2020				<0.001015				<0.001015	<0.001015
7/20/2020					<0.001015				<0.001015
7/21/2020						<0.001015	<0.001015	<0.001015	
7/23/2020			<0.001015						
7/27/2020		<0.001015		<0.001015					
7/29/2020	<0.001015								
3/30/2021					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/5/2021	<0.001015	<0.001015		<0.001015					
4/6/2021			<0.001015						
4/12/2021									
9/21/2021									
9/22/2021						<0.001015			<0.001015
9/27/2021		<0.001015			<0.001015				
9/28/2021	<0.001015								
9/29/2021			<0.001015	<0.001015			<0.001015	<0.001015	
4/19/2022									
4/26/2022	<0.001015				<0.001015	<0.001015			<0.001015
4/27/2022				<0.001015			<0.001015	<0.001015	
5/2/2022			<0.001015						
5/3/2022		<0.001015							
8/29/2022									
8/30/2022		<0.001015							
8/31/2022	<0.001015		<0.001015	<0.001015					
9/6/2022					<0.001015	<0.001015			<0.001015
9/7/2022							<0.001015	<0.001015	

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.001015		
7/20/2020	<0.001015		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.001015		
4/5/2021			
4/6/2021			
4/12/2021		<0.001015	<0.001015
9/21/2021		<0.001015	<0.001015
9/22/2021			
9/27/2021	<0.001015		
9/28/2021			
9/29/2021			
4/19/2022		<0.001015	<0.001015
4/26/2022	<0.001015		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.001015	<0.001015
8/30/2022			
8/31/2022			
9/6/2022	<0.001015		
9/7/2022			

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								0.00238 (J)	
3/30/2016	<0.001015			<0.001015	<0.001015	<0.001015	<0.001015		
4/4/2016									<0.001015
5/17/2016	<0.001015								
5/19/2016					<0.001015	<0.001015			
5/23/2016				<0.001015				<0.001015	<0.001015
7/11/2016	<0.001015								
7/12/2016								<0.001015	<0.001015
7/13/2016					<0.001015	<0.001015			
7/14/2016				<0.001015					
9/13/2016				<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
9/14/2016	<0.001015								
11/15/2016				<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
11/16/2016	<0.001015								
2/28/2017	<0.001015							0.000718 (J)	0.000662 (J)
3/1/2017				0.000689 (J)	<0.001015	<0.001015			
5/23/2017				<0.001015	<0.001015	<0.001015			
5/24/2017	<0.001015							<0.001015	<0.001015
6/20/2017				<0.001015	<0.001015	<0.001015		<0.001015	<0.001015
6/21/2017	<0.001015								
1/9/2018				<0.001015					
1/10/2018	<0.001015				<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/17/2018				<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/19/2018	<0.001015								
10/1/2018				<0.001015				<0.001015	<0.001015
10/3/2018	<0.001015								
10/4/2018					<0.001015	<0.001015			
4/1/2019								<0.001015	<0.001015
4/2/2019	<0.001015			<0.001015	0.000819 (J)	0.00089 (J)			
9/17/2019	<0.001015							<0.001015	<0.001015
9/18/2019				<0.001015	<0.001015	<0.001015			
2/17/2020									<0.001015
2/18/2020	<0.001015								
2/25/2020								<0.001015	
2/26/2020				<0.001015	<0.001015	<0.001015			
7/27/2020	<0.001015								
7/28/2020				<0.001015	<0.001015	<0.001015			
7/29/2020								<0.001015	<0.001015
4/5/2021	<0.001015								<0.001015
4/6/2021								<0.001015	
4/7/2021				<0.001015	<0.001015	<0.001015			
4/12/2021		<0.001015	<0.001015						
4/13/2021				<0.001015					
9/21/2021		<0.001015	<0.001015	<0.001015				<0.001015	<0.001015
9/27/2021	<0.001015				<0.001015	<0.001015	<0.001015		
4/19/2022		<0.001015	<0.001015	<0.001015					
5/2/2022	<0.001015							<0.001015	<0.001015
5/3/2022				<0.001015	<0.001015	<0.001015			
8/29/2022		<0.001015	<0.001015	<0.001015					
8/30/2022	<0.001015			<0.001015	<0.001015	<0.001015			
8/31/2022								<0.001015	<0.001015

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0048 (J)	0.00122 (J)			
3/29/2016							0.00385 (J)		0.0125
3/30/2016	0.00105 (J)	<0.000203	0.00148 (J)	<0.000203					
5/17/2016	<0.000203				0.0016 (J)		0.00337 (J)		0.0112
5/18/2016		<0.000203	0.00194 (J)	<0.000203					
5/19/2016						0.0015 (J)			
7/11/2016					0.00112 (J)	<0.000203			
7/13/2016	<0.000203	<0.000203	0.0021 (J)						
7/14/2016				<0.000203			0.00407 (J)		0.013
7/18/2016									
8/22/2016						<0.000203			
9/12/2016			0.00456 (J)	<0.000203					
9/13/2016	<0.000203	<0.000203			<0.000203		0.00394 (J)		0.0124
9/14/2016						<0.000203			
11/14/2016		<0.000203	0.00241 (J)	<0.000203			0.0037 (J)		
11/15/2016	<0.000203				<0.000203	<0.000203			
11/16/2016									0.0121
1/3/2017						<0.000203			
2/27/2017					<0.000203	<0.000203			
2/28/2017	<0.000203	<0.000203	0.0022 (J)	<0.000203			0.00409 (J)		0.0127
5/22/2017	<0.000203	<0.000203				<0.000203			
5/24/2017			0.00564	<0.000203	<0.000203		0.00419 (J)		0.0121
6/19/2017	<0.000203	<0.000203					0.00424 (J)		0.0129
6/20/2017						<0.000203			
6/21/2017			0.00257 (J)	<0.000203	<0.000203				
1/9/2018		<0.000203	0.00886	<0.000203	<0.000203	<0.000203	0.00505		0.0138
1/10/2018	<0.000203								
4/16/2018	<0.000203	<0.000203	0.00754						
4/19/2018				<0.000203	0.00113 (J)	<0.000203	0.00484 (J)		0.0125
10/1/2018							0.00466 (J)		0.0118
10/2/2018	<0.000203								
10/4/2018		<0.000203	0.0081						
10/5/2018				<0.000203	<0.000203	0.0015 (J)			
12/17/2018									
2/25/2019								0.00105 (J)	
2/27/2019									
4/3/2019	<0.000203	<0.000203	0.00726	<0.000203	<0.000203	0.00207 (J)	0.00466 (J)		0.0106
5/7/2019						0.0016 (J)			
9/16/2019	<0.000203	<0.000203	0.00538				0.00492 (J)	0.00111 (J)	
9/17/2019				<0.000203	0.00108 (J)				0.0109
9/18/2019						<0.000203			
2/17/2020	<0.000203	<0.000203							
2/18/2020			0.00269 (J)						
2/19/2020				<0.000203	<0.000203				
2/25/2020						0.00129 (J)	0.00495 (J)	0.00105 (J)	
2/26/2020									0.011
7/22/2020	<0.000203	<0.000203							
7/23/2020					<0.000203				
7/27/2020			0.0041 (J)	<0.000203					
7/28/2020						0.00101 (J)	0.00535	0.00117 (J)	
7/29/2020									0.00947
4/5/2021	0.000311	0.000237	0.00276				0.00452	0.00117	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000661	0.000441	0.000767			0.00999
9/21/2021	0.00024	0.00017 (J)							
9/22/2021			0.00529	0.00052	0.00057				
9/28/2021						0.00084	0.00593	0.0012	
9/29/2021									0.00941
4/20/2022									0.0084
4/26/2022									
4/27/2022					0.00059		0.00552	0.00114	
5/2/2022	0.00024	0.00018 (J)		0.00043		0.00058			
5/3/2022			0.00223						
8/30/2022							0.00556	0.000994	0.00745
8/31/2022	0.000173 (J)					0.000483			
9/6/2022		0.000164 (J)	0.0033		0.000568				
9/7/2022				0.000532					

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.00273 (J)
3/30/2016			
5/17/2016			0.00237 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0024 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.00243 (J)
11/14/2016			0.00232 (J)
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.00259 (J)
5/22/2017			
5/24/2017			0.00229 (J)
6/19/2017			0.00248 (J)
6/20/2017			
6/21/2017			
1/9/2018			0.00276 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.00259 (J)
10/1/2018			0.00288 (J)
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.00173 (J)		
2/25/2019			
2/27/2019		0.00112 (J)	
4/3/2019			0.0067
5/7/2019			
9/16/2019			
9/17/2019		0.00136 (J)	
9/18/2019	0.00215 (J)		0.00308 (J)
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.00265 (J)
2/26/2020	0.00199 (J)	0.00123 (J)	
7/22/2020			0.00331 (J)
7/23/2020	0.00191 (J)	0.00128 (J)	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.00217	0.00122	0.00272
9/21/2021			
9/22/2021			
9/28/2021			0.00416
9/29/2021	0.00207	0.0015	
4/20/2022	0.00183		
4/26/2022		0.00112	0.00281
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			0.00265
8/31/2022	0.00203	0.00134	
9/6/2022			
9/7/2022			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.00463 (J)	<0.000203							
3/29/2016			0.00424 (J)						
5/18/2016	0.00511	<0.000203	0.00409 (J)						
7/11/2016		<0.000203							
7/13/2016	0.004 (J)		0.00512			0.00666			
7/14/2016							0.00305 (J)		
8/22/2016						0.0088	0.00169 (J)		
9/13/2016	0.00488 (J)					0.00489 (J)	0.00207 (J)		
9/14/2016		<0.000203	0.00411 (J)						
11/14/2016			0.00365 (J)						
11/15/2016						0.00395 (J)	0.00321 (J)		
11/16/2016	0.00513	0.00105 (J)							
1/3/2017						0.00343 (J)	0.00261 (J)		
2/27/2017	0.00425 (J)								
2/28/2017			0.00369 (J)						
3/1/2017		<0.000203				0.00348 (J)	0.00135 (J)		
5/22/2017	0.00252 (J)								
5/23/2017		<0.000203				0.00294 (J)	0.00151 (J)		
5/24/2017			0.00369 (J)						
6/19/2017		<0.000203	0.00397 (J)						
6/20/2017						0.00286 (J)	<0.000203		
6/21/2017	0.00314 (J)								
1/9/2018			0.00428 (J)					<0.000203	
1/10/2018	0.00294 (J)	<0.000203				0.00318 (J)			
4/17/2018						0.00195 (J)	<0.000203		
4/19/2018	0.00298 (J)	<0.000203	0.00374 (J)						
10/1/2018			0.00372 (J)						
10/2/2018	0.00361 (J)								
10/3/2018		<0.000203							
10/4/2018						0.00309 (J)	<0.000203		
12/5/2018								0.00113 (J)	<0.000203
12/6/2018									
12/13/2018				0.00301 (J)					
2/26/2019									
2/27/2019					0.00119 (J)				
4/1/2019	0.0024 (J)	<0.000203							
4/2/2019						0.00134 (J)	<0.000203		
4/3/2019			0.00398 (J)						
9/16/2019									
9/17/2019									<0.000203
9/18/2019	0.00322 (J)	<0.000203	0.00425 (J)	0.00253 (J)	<0.000203	0.00239 (J)	0.00129 (J)	0.00255 (J)	
2/18/2020	0.00196 (J)								
2/19/2020								<0.000203	<0.000203
2/25/2020			0.0043 (J)	0.00243 (J)	<0.000203				
2/26/2020						0.00116 (J)	<0.000203		
7/21/2020								0.00175 (J)	<0.000203
7/22/2020			0.00349 (J)	0.0042 (J)	0.00105 (J)				
7/27/2020	0.00221 (J)								
7/28/2020						0.00166 (J)	<0.000203		
7/29/2020									
4/5/2021	0.00228								
4/6/2021								0.0022	0.00026

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.00103	0.000184 (J)		
4/12/2021			0.00368	0.00339	0.002				
9/21/2021								0.00102	0.00017 (J)
9/22/2021	0.00221								
9/27/2021						0.00103	0.00017 (J)		
9/28/2021			0.00424	0.00296	0.00222				
4/19/2022	0.00215				0.00298				
4/20/2022			0.00405	0.00226				0.00196	0.00028
4/27/2022									
5/2/2022									
5/3/2022						0.00141	0.00015 (J)		
8/29/2022					0.00278				
8/30/2022	0.00258		0.00359	0.00234		0.00144	0.00018 (J)		
8/31/2022									
9/6/2022									
9/7/2022								0.00168	0.000255

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.000203	
12/6/2018	<0.000203		
12/13/2018			
2/26/2019			0.00192 (J)
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.0036 (J)
9/17/2019			
9/18/2019	<0.000203	<0.000203	
2/18/2020			
2/19/2020	<0.000203		
2/25/2020		<0.000203	0.00352 (J)
2/26/2020			
7/21/2020		<0.000203	
7/22/2020	<0.000203		
7/27/2020			
7/28/2020			
7/29/2020			0.0032 (J)
4/5/2021			0.00321
4/6/2021		0.000159 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.000148 (J)		
4/12/2021			
9/21/2021		0.00018 (J)	
9/22/2021	0.00012 (J)		
9/27/2021			
9/28/2021			0.0028
4/19/2022			
4/20/2022	0.00012 (J)		
4/27/2022			0.00278
5/2/2022		0.00022	
5/3/2022			
8/29/2022	0.000112 (J)		
8/30/2022			
8/31/2022			0.00272
9/6/2022		0.000198 (J)	
9/7/2022			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.000203							
5/17/2016		<0.000203							
7/11/2016		<0.000203							
9/14/2016		<0.000203							
11/16/2016		<0.000203							
3/1/2017		<0.000203							
5/23/2017		<0.000203							
6/19/2017		<0.000203							
1/10/2018		<0.000203							
4/19/2018		<0.000203							
10/3/2018		<0.000203							
2/26/2019	0.00168 (J)								
4/2/2019		<0.000203							
9/17/2019	0.00222 (J)	<0.000203							
9/26/2019	0.00225 (J)								
10/22/2019			0.00169 (J)						
2/19/2020		<0.000203	0.00651				0.00393 (J)		
2/25/2020	0.00235 (J)					0.00476 (J)			
2/26/2020					0.00438 (J)				
4/29/2020				0.00315 (J)				<0.000203	0.00178 (J)
7/20/2020					<0.000203				<0.000203
7/21/2020						0.0111	0.00401 (J)	0.00222 (J)	
7/23/2020			0.00536						
7/27/2020		<0.000203		0.00185 (J)					
7/29/2020	0.00237 (J)								
3/30/2021					0.0046	0.00882	0.00303	0.00223	0.00131
4/5/2021	0.00227	0.000829		0.00359					
4/6/2021			0.00801						
4/12/2021									
9/21/2021									
9/22/2021						0.0209			0.00172
9/27/2021		0.00073			0.00523				
9/28/2021	0.00222								
9/29/2021			0.00696	0.00475			0.00231	0.00232	
4/19/2022									
4/26/2022	0.0021				0.00528	0.0135			0.00212
4/27/2022				0.00989			0.00339	0.00212	
5/2/2022			0.00548						
5/3/2022		0.00058							
8/29/2022									
8/30/2022		0.00063							
8/31/2022	0.00217		0.00428	0.00581					
9/6/2022					0.00679	0.0122			0.00268
9/7/2022							0.00354	0.00251	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	0.0042 (J)		
7/20/2020	0.00169 (J)		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.000664		
4/5/2021			
4/6/2021			
4/12/2021		0.000283	0.000946
9/21/2021		0.00013 (J)	0.00049
9/22/2021			
9/27/2021	0.00048		
9/28/2021			
9/29/2021			
4/19/2022		0.00019 (J)	0.00043
4/26/2022	0.00073		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.000109 (J)	0.000281
8/30/2022			
8/31/2022			
9/6/2022	0.000657		
9/7/2022			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								0.00155 (J)	
3/30/2016	0.002 (J)			<0.000203		0.00105 (J)	<0.000203		
4/4/2016									0.00191 (J)
5/17/2016	<0.000203								
5/19/2016						<0.000203	<0.000203		
5/23/2016				<0.000203				0.00227 (J)	0.00213 (J)
7/11/2016	<0.000203								
7/12/2016								0.00206 (J)	0.00183 (J)
7/13/2016						<0.000203	<0.000203		
7/14/2016				<0.000203					
9/13/2016				<0.000203		<0.000203	<0.000203	0.00179 (J)	0.00168 (J)
9/14/2016	<0.000203								
11/15/2016				<0.000203		<0.000203	<0.000203	0.00171 (J)	0.00181 (J)
11/16/2016	<0.000203								
2/28/2017	<0.000203							0.00232 (J)	0.00404 (J)
3/1/2017				<0.000203		<0.000203	<0.000203		
5/23/2017				<0.000203		<0.000203	<0.000203		
5/24/2017	<0.000203							0.00151 (J)	0.00161 (J)
6/20/2017				<0.000203		<0.000203	<0.000203	0.00298 (J)	0.00155 (J)
6/21/2017	<0.000203								
1/9/2018				<0.000203					
1/10/2018	<0.000203					<0.000203	<0.000203	0.00196 (J)	0.00227 (J)
4/17/2018				<0.000203		<0.000203	<0.000203	0.00219 (J)	0.00174 (J)
4/19/2018	<0.000203								
10/1/2018				<0.000203				0.00188 (J)	0.00275 (J)
10/3/2018	<0.000203								
10/4/2018						<0.000203	<0.000203		
4/1/2019								0.00177 (J)	0.00269 (J)
4/2/2019	<0.000203			<0.000203		<0.000203	<0.000203		
9/17/2019	<0.000203							0.00112 (J)	0.00324 (J)
9/18/2019				<0.000203		<0.000203	<0.000203		
2/17/2020									0.00246 (J)
2/18/2020	<0.000203								
2/25/2020								<0.000203	
2/26/2020				<0.000203		<0.000203	<0.000203		
7/27/2020	<0.000203								
7/28/2020				<0.000203		<0.000203	<0.000203		
7/29/2020								0.00152 (J)	0.00222 (J)
4/5/2021	0.000142 (J)								0.00234
4/6/2021								0.00108	
4/7/2021					0.000148 (J)	9.55E-05 (J)	0.000194 (J)		
4/12/2021		0.000195 (J)	0.000179 (J)						
4/13/2021				0.000163 (J)					
9/21/2021		0.0001 (J)	<0.000203	<0.000203				0.0012	0.00308
9/27/2021	0.00018 (J)				0.00016 (J)	0.00014 (J)	0.00019 (J)		
4/19/2022		0.00017 (J)	0.00014 (J)	0.00027					
5/2/2022	0.00016 (J)							0.00107	0.00225
5/3/2022					0.00015 (J)	0.00015 (J)	0.00016 (J)		
8/29/2022		8.2E-05 (J)	<0.000203	0.000163 (J)					
8/30/2022	0.000129 (J)				0.000217	0.000172 (J)	0.000101 (J)		
8/31/2022								0.00113	0.00274

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0952	0.0856			
3/29/2016							0.031		0.0849
3/30/2016	0.0139	0.00993 (J)	0.0644	0.0337					
5/17/2016	0.0188				0.0437		0.0313		0.0891
5/18/2016		0.011	0.0794	0.038					
5/19/2016						0.132			
7/11/2016					0.0496	0.0302			
7/13/2016	0.0139	0.012	0.0735						
7/14/2016				0.0338			0.0336		0.0965
7/18/2016									
8/22/2016						0.0267			
9/12/2016			0.072	0.0331					
9/13/2016	0.0121	0.01			0.0493		0.0286		0.0811
9/14/2016						0.0247			
11/14/2016		0.00973 (J)	0.0768	0.0353			0.0296		
11/15/2016	0.0132				0.0634	0.0273			
11/16/2016									0.0833
1/3/2017						0.026			
2/27/2017					0.0593	0.0301			
2/28/2017	0.0148	0.00989 (J)	0.0695	0.0388			0.0315		0.0897
5/22/2017	0.0116	0.00911 (J)				0.0274			
5/24/2017			0.0671	0.0344	0.0476		0.0275		0.0673
6/19/2017	0.0113	0.00908 (J)					0.0279		0.0767
6/20/2017						0.0292			
6/21/2017			0.0629	0.0302	0.0481				
1/9/2018		0.00832 (J)	0.0658	0.0321	0.0505	0.0316	0.0273		0.074
1/10/2018	0.0117								
4/16/2018	0.0145	0.00942 (J)	0.0666						
4/19/2018				0.0361	0.0574	0.0368	0.0307		0.088
10/1/2018							0.0295		0.0898
10/2/2018	0.0124								
10/4/2018		0.00817 (J)	0.0667						
10/5/2018				0.0336	0.0776	0.0818			
12/17/2018									
2/25/2019								0.0423	
2/27/2019									
4/3/2019	0.0137	0.00993 (J)	0.073	0.0363	0.0619	0.134	0.0335		0.105
5/7/2019						0.0774			
9/16/2019	0.0135	0.00956 (J)	0.0819				0.0393	0.0503	
9/17/2019				0.0396	0.0745				0.12
9/18/2019						0.0799			
2/17/2020	0.0127	0.0088 (J)							
2/18/2020			0.0726						
2/19/2020				0.0381	0.0653				
2/25/2020						0.0693	0.0353	0.0507	
2/26/2020									0.105
7/22/2020	0.0141	0.0082 (J)							
7/23/2020					0.0686				
7/27/2020			0.077	0.0395					
7/28/2020						0.0635	0.0355	0.052	
7/29/2020									0.0978
4/5/2021	0.0142	0.00832	0.0751				0.0421	0.0482	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.0389	0.0659	0.0541			0.119
9/21/2021	0.0129	0.00893							
9/22/2021			0.0815	0.0444	0.0739				
9/28/2021						0.0615	0.051	0.0547	
9/29/2021									0.119
4/20/2022									0.12
4/26/2022									
4/27/2022					0.0763		0.0514	0.0557	
5/2/2022	0.0132	0.00954		0.0414		0.0561			
5/3/2022			0.0752						
8/30/2022							0.0678	0.063	0.141
8/31/2022	0.0138					0.0551			
9/6/2022		0.00885	0.0776		0.0835				
9/7/2022				0.0422					

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.0435
3/30/2016			
5/17/2016			0.0451
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0428
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.0415
11/14/2016			0.0422
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.0466
5/22/2017			
5/24/2017			0.0382
6/19/2017			0.0408
6/20/2017			
6/21/2017			
1/9/2018			0.0394
1/10/2018			
4/16/2018			
4/19/2018			0.0434
10/1/2018			0.0424
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.061		
2/25/2019			
2/27/2019		0.0434	
4/3/2019			0.045
5/7/2019			
9/16/2019			
9/17/2019		0.0475	
9/18/2019	0.0667		0.0524
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0474
2/26/2020	0.066	0.0547	
7/22/2020			0.05
7/23/2020	0.0673	0.0424	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.0751	0.0491	0.0483
9/21/2021			
9/22/2021			
9/28/2021			0.0525
9/29/2021	0.0826	0.0502	
4/20/2022	0.0906		
4/26/2022		0.0551	0.0515
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			0.0573
8/31/2022	0.101	0.0595	
9/6/2022			
9/7/2022			

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.037	0.00887 (J)							
3/29/2016			0.0691						
5/18/2016	0.0492	0.00816 (J)	0.074						
7/11/2016		0.0096 (J)							
7/13/2016	0.0555		0.0784			0.0425			
7/14/2016							0.103		
8/22/2016						0.0214	0.0662		
9/13/2016	0.0421					0.0628	0.0644		
9/14/2016		0.00964 (J)	0.0658						
11/14/2016			0.0634						
11/15/2016						0.06	0.132		
11/16/2016	0.042	0.0247							
1/3/2017						0.0348	0.098		
2/27/2017	0.0407								
2/28/2017			0.0676						
3/1/2017		0.0282				0.0395	0.0423		
5/22/2017	0.0271								
5/23/2017		0.0187				0.0279	0.0359		
5/24/2017			0.0551						
6/19/2017		0.0164	0.0604						
6/20/2017						0.0255	0.0396		
6/21/2017	0.024								
1/9/2018			0.0562				0.034		
1/10/2018	0.0195	0.0149				0.033			
4/17/2018						0.0205	0.043		
4/19/2018	0.0208	0.0147	0.0634						
10/1/2018			0.061						
10/2/2018	0.0186								
10/3/2018		0.0131							
10/4/2018						0.0314	0.0353		
12/5/2018								0.0196	0.0364
12/6/2018									
12/13/2018				0.0863					
2/26/2019									
2/27/2019					0.0219				
4/1/2019	0.0188	0.0116							
4/2/2019						0.0146	0.0471		
4/3/2019			0.0599						
9/16/2019									
9/17/2019									0.0316
9/18/2019	0.0211	0.0118	0.0651	0.0982	0.0241	0.0362	0.0458	0.027	
2/18/2020	0.0163								
2/19/2020								0.052	0.0443
2/25/2020			0.0595	0.0912	0.0239				
2/26/2020						0.0339	0.0439		
7/21/2020								0.0336	0.0312
7/22/2020			0.0612	0.12	0.0242				
7/27/2020	0.0165								
7/28/2020						0.0223	0.0406		
7/29/2020									
4/5/2021	0.0149								
4/6/2021								0.0353	0.0282

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.0375	0.0352		
4/12/2021			0.0589	0.127	0.0273				
9/21/2021								0.0577	0.0229
9/22/2021	0.0162								
9/27/2021						0.0408	0.036		
9/28/2021			0.0603	0.132	0.0312				
4/19/2022	0.0141				0.0323				
4/20/2022			0.0554	0.119				0.0399	0.0279
4/27/2022									
5/2/2022									
5/3/2022						0.0497	0.0276		
8/29/2022					0.0342				
8/30/2022	0.0146		0.0537	0.126		0.0425	0.0284		
8/31/2022									
9/6/2022									
9/7/2022								0.0426	0.0218

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.0297	
12/6/2018	0.0188		
12/13/2018			
2/26/2019			0.0278
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.0321
9/17/2019			
9/18/2019	0.0192	0.04	
2/18/2020			
2/19/2020	0.0166		
2/25/2020		0.0149	0.0304
2/26/2020			
7/21/2020		0.0251	
7/22/2020	0.0174		
7/27/2020			
7/28/2020			
7/29/2020			0.0305
4/5/2021			0.0309
4/6/2021		0.0151	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.0177		
4/12/2021			
9/21/2021		0.0139	
9/22/2021	0.0179		
9/27/2021			
9/28/2021			0.0345
4/19/2022			
4/20/2022	0.0171		
4/27/2022			0.0318
5/2/2022		0.0158	
5/3/2022			
8/29/2022	0.0179		
8/30/2022			
8/31/2022			0.035
9/6/2022		0.0144	
9/7/2022			

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.0116							
5/17/2016		0.00866 (J)							
7/11/2016		0.00969 (J)							
9/14/2016		0.00864 (J)							
11/16/2016		0.00917 (J)							
3/1/2017		0.00869 (J)							
5/23/2017		0.00658 (J)							
6/19/2017		0.00672 (J)							
1/10/2018		0.00645 (J)							
4/19/2018		0.00625 (J)							
10/3/2018		0.00708 (J)							
2/26/2019	0.0502								
4/2/2019		0.00625 (J)							
9/17/2019	0.0567	0.00834 (J)							
9/26/2019	0.0574								
10/22/2019			0.0702						
2/19/2020		0.00697 (J)	0.109				0.0576		
2/25/2020	0.0581					0.0549			
2/26/2020					0.0489				
4/29/2020				0.0364				0.0163	0.0831
7/20/2020					0.0555				0.0841
7/21/2020						0.0654	0.0477	0.0199	
7/23/2020			0.0899						
7/27/2020		0.0192		0.0318					
7/29/2020	0.0549								
3/30/2021					0.0584	0.0593	0.0392	0.0184	0.0792
4/5/2021	0.0577	0.0222		0.0267					
4/6/2021			0.082						
4/12/2021									
9/21/2021									
9/22/2021						0.064			0.0847
9/27/2021		0.021			0.0631				
9/28/2021	0.0597								
9/29/2021			0.0813	0.0281			0.041	0.019	
4/19/2022									
4/26/2022	0.0604				0.0584	0.0461			0.0799
4/27/2022				0.0289			0.0349	0.017	
5/2/2022			0.0734						
5/3/2022		0.0222							
8/29/2022									
8/30/2022		0.0177							
8/31/2022	0.0678		0.0742	0.0301					
9/6/2022					0.0622	0.0629			0.0855
9/7/2022							0.0345	0.018	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	0.0336		
7/20/2020	0.0352		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.0355		
4/5/2021			
4/6/2021			
4/12/2021		0.008	0.0226
9/21/2021		0.0101	0.0283
9/22/2021			
9/27/2021	0.0367		
9/28/2021			
9/29/2021			
4/19/2022		0.00686	0.0279
4/26/2022	0.0353		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.00461	0.0302
8/30/2022			
8/31/2022			
9/6/2022	0.0376		
9/7/2022			

Time Series

Constituent: Barium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								0.0277	
3/30/2016	0.0219				0.0339	0.0277	0.025		
4/4/2016									0.0789
5/17/2016	0.0196								
5/19/2016						0.0282	0.0249		
5/23/2016					0.0289			0.0261	0.0733
7/11/2016	0.0286								
7/12/2016								0.0251	0.102
7/13/2016						0.0222	0.0279		
7/14/2016					0.0281				
9/13/2016					0.0301	0.017	0.0153	0.0189	0.0793
9/14/2016	0.0261								
11/15/2016					0.0296	0.0151	0.0225	0.0186	0.0882
11/16/2016	0.0291								
2/28/2017	0.0229							0.0196	0.111
3/1/2017					0.0395	0.0212	0.0261		
5/23/2017					0.0307	0.0162	0.0208		
5/24/2017	0.0202							0.0228	0.0914
6/20/2017					0.0367	0.02	0.0244	0.0188	0.0948
6/21/2017	0.0186								
1/9/2018					0.0269				
1/10/2018	0.0261					0.0183	0.0235	0.0141	0.0836
4/17/2018					0.0441	0.0271	0.0252	0.0179	0.0979
4/19/2018	0.0231								
10/1/2018					0.0298			0.0168	0.118
10/3/2018	0.0296								
10/4/2018						0.0189	0.0265		
4/1/2019								0.0209	0.105
4/2/2019	0.0254				0.0371	0.0243	0.0236		
9/17/2019	0.0344							0.0202	0.118
9/18/2019					0.0335	0.023	0.029		
2/17/2020									0.109
2/18/2020	0.0185								
2/25/2020								0.0168	
2/26/2020					0.0231	0.0254	0.0261		
7/27/2020	0.0207								
7/28/2020					0.0332	0.026	0.0248		
7/29/2020								0.0206	0.105
4/5/2021	0.0151								0.104
4/6/2021								0.018	
4/7/2021					0.027	0.0211	0.0245		
4/12/2021		0.0107	0.0155						
4/13/2021				0.0154					
9/21/2021		0.00746	0.0213	0.0114				0.0179	0.114
9/27/2021	0.0155				0.0266	0.0223	0.0218		
4/19/2022		0.00636	0.0185	0.0148					
5/2/2022	0.0153							0.0188	0.114
5/3/2022					0.0219	0.0232	0.0191		
8/29/2022		0.00619	0.0212	0.0147					
8/30/2022	0.0157				0.0234	0.0219	0.0188		
8/31/2022								0.018	0.114

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00119 (J)	<0.001015			
3/29/2016							<0.001015		<0.001015
3/30/2016	<0.001015	<0.001015	<0.001015	<0.001015					
5/17/2016	<0.001015				<0.001015		<0.001015		<0.001015
5/18/2016		<0.001015	<0.001015	<0.001015					
5/19/2016						<0.001015			
7/11/2016					<0.001015	<0.001015			
7/13/2016	<0.001015	<0.001015	<0.001015						
7/14/2016				<0.001015			<0.001015		<0.001015
7/18/2016									
8/22/2016						<0.001015			
9/12/2016			<0.001015	<0.001015					
9/13/2016	<0.001015	<0.001015			<0.001015		<0.001015		<0.001015
9/14/2016						<0.001015			
11/14/2016		<0.001015	<0.001015	<0.001015			<0.001015		
11/15/2016	<0.001015				<0.001015	<0.001015			
11/16/2016									<0.001015
1/3/2017						<0.001015			
2/27/2017					<0.001015	<0.001015			
2/28/2017	<0.001015	<0.001015	<0.001015	<0.001015			<0.001015		<0.001015
5/22/2017	<0.001015	<0.001015					<0.001015		
5/24/2017			<0.001015	<0.001015	<0.001015		<0.001015		<0.001015
6/19/2017	<0.001015	<0.001015					<0.001015		<0.001015
6/20/2017						<0.001015			
6/21/2017			<0.001015	<0.001015	<0.001015				
1/9/2018		<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
1/10/2018	<0.001015								
4/16/2018	<0.001015	<0.001015	<0.001015						
4/19/2018				<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
10/1/2018							<0.001015		<0.001015
10/2/2018	<0.001015								
10/4/2018		<0.001015	<0.001015						
10/5/2018				<0.001015	<0.001015	<0.001015			
12/17/2018									
2/25/2019								<0.001015	
2/27/2019									
4/3/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
5/7/2019						<0.001015			
9/16/2019	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	
9/17/2019				<0.001015	<0.001015				<0.001015
9/18/2019						<0.001015			
2/17/2020	<0.001015	<0.001015							
2/18/2020			<0.001015						
2/19/2020				<0.001015	<0.001015				
2/25/2020						<0.001015	<0.001015	<0.001015	
2/26/2020									<0.001015
7/22/2020	<0.001015	<0.001015							
7/23/2020					<0.001015				
7/27/2020			<0.001015	<0.001015					
7/28/2020						<0.001015	<0.001015	<0.001015	
7/29/2020									<0.001015
4/5/2021	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.001015	<0.001015	<0.001015			<0.001015
9/21/2021	<0.001015	<0.001015							
9/22/2021			<0.001015	<0.001015	<0.001015				
9/28/2021						<0.001015	<0.001015	<0.001015	
9/29/2021									<0.001015
4/20/2022									<0.001015
4/26/2022									
4/27/2022					<0.001015		<0.001015	<0.001015	
5/2/2022	<0.001015	<0.001015		<0.001015		<0.001015			
5/3/2022			<0.001015						
8/30/2022							<0.001015	<0.001015	<0.001015
8/31/2022	<0.001015					<0.001015			
9/6/2022		<0.001015	<0.001015		<0.001015				
9/7/2022				<0.001015					

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.001015
3/30/2016			
5/17/2016			<0.001015
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.001015
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.001015
11/14/2016			<0.001015
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.001015
5/22/2017			
5/24/2017			<0.001015
6/19/2017			<0.001015
6/20/2017			
6/21/2017			
1/9/2018			<0.001015
1/10/2018			
4/16/2018			
4/19/2018			<0.001015
10/1/2018			<0.001015
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.001015		
2/25/2019			
2/27/2019		<0.001015	
4/3/2019			<0.001015
5/7/2019			
9/16/2019			
9/17/2019		<0.001015	
9/18/2019	<0.001015		<0.001015
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.001015
2/26/2020	<0.001015	<0.001015	
7/22/2020			<0.001015
7/23/2020	<0.001015	<0.001015	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.001015	<0.001015	<0.001015
9/21/2021			
9/22/2021			
9/28/2021			<0.001015
9/29/2021	<0.001015	<0.001015	
4/20/2022	<0.001015		
4/26/2022		<0.001015	<0.001015
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.001015
8/31/2022	<0.001015	<0.001015	
9/6/2022			
9/7/2022			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.001015	<0.001015							
3/29/2016			<0.001015						
5/18/2016	<0.001015	<0.001015	<0.001015						
7/11/2016		<0.001015							
7/13/2016	<0.001015		<0.001015			<0.001015			
7/14/2016							<0.001015		
8/22/2016						<0.001015	<0.001015		
9/13/2016	<0.001015					<0.001015	<0.001015		
9/14/2016		<0.001015	<0.001015						
11/14/2016			<0.001015						
11/15/2016						<0.001015	<0.001015		
11/16/2016	<0.001015	<0.001015							
1/3/2017						<0.001015	<0.001015		
2/27/2017	<0.001015								
2/28/2017			<0.001015						
3/1/2017		<0.001015				<0.001015	<0.001015		
5/22/2017	<0.001015								
5/23/2017		<0.001015				<0.001015	<0.001015		
5/24/2017			<0.001015						
6/19/2017		<0.001015	<0.001015						
6/20/2017						<0.001015	<0.001015		
6/21/2017	<0.001015								
1/9/2018			<0.001015					<0.001015	
1/10/2018	<0.001015	<0.001015				<0.001015			
4/17/2018						<0.001015	<0.001015		
4/19/2018	<0.001015	<0.001015	<0.001015						
10/1/2018			<0.001015						
10/2/2018	<0.001015								
10/3/2018		<0.001015							
10/4/2018						<0.001015	<0.001015		
12/5/2018								<0.001015	<0.001015
12/6/2018									
12/13/2018				<0.001015					
2/26/2019									
2/27/2019					<0.001015				
4/1/2019	<0.001015	<0.001015							
4/2/2019						<0.001015	<0.001015		
4/3/2019			<0.001015						
9/16/2019									
9/17/2019									<0.001015
9/18/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	
2/18/2020	<0.001015								
2/19/2020								<0.001015	<0.001015
2/25/2020			<0.001015	<0.001015	<0.001015				
2/26/2020						<0.001015	<0.001015		
7/21/2020								<0.001015	<0.001015
7/22/2020			<0.001015	<0.001015	<0.001015				
7/27/2020	<0.001015								
7/28/2020						<0.001015	<0.001015		
7/29/2020									
4/5/2021	<0.001015								
4/6/2021								<0.001015	<0.001015

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.001015	<0.001015		
4/12/2021			<0.001015	<0.001015	<0.001015				
9/21/2021								<0.001015	<0.001015
9/22/2021	<0.001015								
9/27/2021						<0.001015	<0.001015		
9/28/2021			<0.001015	<0.001015	<0.001015				
4/19/2022	<0.001015				<0.001015				
4/20/2022			<0.001015	<0.001015				<0.001015	<0.001015
4/27/2022									
5/2/2022									
5/3/2022						<0.001015	<0.001015		
8/29/2022					<0.001015				
8/30/2022	<0.001015		<0.001015	<0.001015		<0.001015	<0.001015		
8/31/2022									
9/6/2022									
9/7/2022								<0.001015	<0.001015

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.001015	
12/6/2018	<0.001015		
12/13/2018			
2/26/2019			<0.001015
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.001015
9/17/2019			
9/18/2019	<0.001015	<0.001015	
2/18/2020			
2/19/2020	<0.001015		
2/25/2020		<0.001015	<0.001015
2/26/2020			
7/21/2020		<0.001015	
7/22/2020	<0.001015		
7/27/2020			
7/28/2020			
7/29/2020			<0.001015
4/5/2021			<0.001015
4/6/2021		<0.001015	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.001015		
4/12/2021			
9/21/2021		<0.001015	
9/22/2021	<0.001015		
9/27/2021			
9/28/2021			<0.001015
4/19/2022			
4/20/2022	<0.001015		
4/27/2022			<0.001015
5/2/2022		<0.001015	
5/3/2022			
8/29/2022	<0.001015		
8/30/2022			
8/31/2022			<0.001015
9/6/2022		<0.001015	
9/7/2022			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.001015							
5/17/2016		<0.001015							
7/11/2016		<0.001015							
9/14/2016		<0.001015							
11/16/2016		<0.001015							
3/1/2017		<0.001015							
5/23/2017		<0.001015							
6/19/2017		<0.001015							
1/10/2018		<0.001015							
4/19/2018		<0.001015							
10/3/2018		<0.001015							
2/26/2019	<0.001015								
4/2/2019		<0.001015							
9/17/2019	<0.001015	<0.001015							
9/26/2019	<0.001015								
10/22/2019			<0.001015						
2/19/2020		<0.001015	<0.001015				<0.001015		
2/25/2020	<0.001015					<0.001015			
2/26/2020				<0.001015					
4/29/2020				<0.001015				<0.001015	<0.001015
7/20/2020					<0.001015				<0.001015
7/21/2020						<0.001015	<0.001015	<0.001015	
7/23/2020			<0.001015						
7/27/2020		<0.001015		<0.001015					
7/29/2020	<0.001015								
3/30/2021					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/5/2021	<0.001015	<0.001015		<0.001015					
4/6/2021			<0.001015						
4/12/2021									
9/21/2021									
9/22/2021						<0.001015			<0.001015
9/27/2021		<0.001015			<0.001015				
9/28/2021	<0.001015								
9/29/2021			<0.001015	<0.001015			<0.001015	<0.001015	
4/19/2022									
4/26/2022	<0.001015				<0.001015	<0.001015			<0.001015
4/27/2022				<0.001015			<0.001015	<0.001015	
5/2/2022			<0.001015						
5/3/2022		<0.001015							
8/29/2022									
8/30/2022		<0.001015							
8/31/2022	<0.001015		<0.001015	<0.001015					
9/6/2022					<0.001015	<0.001015			<0.001015
9/7/2022							<0.001015	<0.001015	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.001015		
7/20/2020	<0.001015		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.001015		
4/5/2021			
4/6/2021			
4/12/2021		<0.001015	<0.001015
9/21/2021		<0.001015	<0.001015
9/22/2021			
9/27/2021	<0.001015		
9/28/2021			
9/29/2021			
4/19/2022		<0.001015	<0.001015
4/26/2022	<0.001015		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.001015	<0.001015
8/30/2022			
8/31/2022			
9/6/2022	<0.001015		
9/7/2022			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.001015	
3/30/2016	<0.001015				<0.001015	<0.001015	<0.001015		
4/4/2016									<0.001015
5/17/2016	<0.001015								
5/19/2016						<0.001015	<0.001015		
5/23/2016					<0.001015			<0.001015	<0.001015
7/11/2016	<0.001015								
7/12/2016								<0.001015	<0.001015
7/13/2016						<0.001015	<0.001015		
7/14/2016					<0.001015				
9/13/2016					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
9/14/2016	<0.001015								
11/15/2016					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
11/16/2016	<0.001015								
2/28/2017	<0.001015							<0.001015	<0.001015
3/1/2017					<0.001015	<0.001015	<0.001015		
5/23/2017					<0.001015	<0.001015	<0.001015		
5/24/2017	<0.001015							<0.001015	<0.001015
6/20/2017					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
6/21/2017	<0.001015								
1/9/2018					<0.001015				
1/10/2018	<0.001015					<0.001015	<0.001015	<0.001015	<0.001015
4/17/2018					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/19/2018	<0.001015								
10/1/2018					<0.001015			<0.001015	<0.001015
10/3/2018	<0.001015								
10/4/2018						<0.001015	<0.001015		
4/1/2019								<0.001015	<0.001015
4/2/2019	<0.001015				<0.001015	<0.001015	<0.001015		
9/17/2019	<0.001015							<0.001015	<0.001015
9/18/2019					<0.001015	<0.001015	<0.001015		
2/17/2020									<0.001015
2/18/2020	<0.001015								
2/25/2020								<0.001015	
2/26/2020					<0.001015	<0.001015	<0.001015		
7/27/2020	<0.001015								
7/28/2020					<0.001015	<0.001015	<0.001015		
7/29/2020								<0.001015	<0.001015
4/5/2021	<0.001015								<0.001015
4/6/2021								<0.001015	
4/7/2021					<0.001015	<0.001015	<0.001015		
4/12/2021		<0.001015	<0.001015						
4/13/2021				<0.001015					
9/21/2021		<0.001015	<0.001015	<0.001015				<0.001015	<0.001015
9/27/2021	<0.001015				<0.001015	<0.001015	<0.001015		
4/19/2022		<0.001015	<0.001015	<0.001015					
5/2/2022	<0.001015							<0.001015	<0.001015
5/3/2022					<0.001015	<0.001015	<0.001015		
8/29/2022		<0.001015	<0.001015	<0.001015					
8/30/2022	<0.001015				<0.001015	<0.001015	<0.001015		
8/31/2022								<0.001015	<0.001015

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.1015	0.103			
3/29/2016							1.32		3.04
3/30/2016	0.0291 (J)	0.112	0.287	<0.1015					
5/17/2016	0.0466 (J)				<0.1015		1.35		3.1
5/18/2016		0.118	0.286	<0.1015					
5/19/2016						0.169			
7/11/2016					<0.1015	0.829			
7/13/2016	0.0305 (J)	0.125	0.299						
7/14/2016				<0.1015			1.32		2.96
7/18/2016									
8/22/2016						0.835			
9/12/2016			0.302	0.0762 (J)					
9/13/2016	<0.1015	0.108			<0.1015		1.31		2.94
9/14/2016						0.838			
11/14/2016		0.126	0.323	<0.1015			1.34		
11/15/2016	<0.1015				<0.1015	0.894			
11/16/2016									2.96
1/3/2017						0.897			
2/27/2017					<0.1015	0.897			
2/28/2017	<0.1015	0.12	0.336	<0.1015			1.28		2.92
5/22/2017	<0.1015	0.116				0.892			
5/24/2017			0.342	<0.1015	<0.1015		1.24		2.66
6/19/2017	0.0204 (J)	0.12					1.26		2.7
6/20/2017						0.91			
6/21/2017			0.342	<0.1015	<0.1015				
8/14/2017	0.0242 (J)	0.124	0.359	<0.1015		0.906	1.24		2.64
8/15/2017					<0.1015				
4/16/2018	0.0466 (J)	0.163	0.384						
4/19/2018				<0.1015	<0.1015	0.991	1.34		2.87
10/1/2018							1.29		2.83
10/2/2018	0.0228 (J)								
10/4/2018		0.206	0.503						
10/5/2018				<0.1015	<0.1015	4.34			
12/17/2018									
2/25/2019								1.33	
2/27/2019									
4/3/2019	<0.1015	0.216	0.401	<0.1015	<0.1015	4.18	1.32		2.92
5/7/2019						4.13			
9/16/2019	<0.1015	0.207	0.423				1.4	1.38	
9/17/2019				<0.1015	<0.1015				3.25
9/18/2019						3.47			
2/17/2020	<0.1015	0.221							
2/18/2020			0.433						
2/19/2020				<0.1015	<0.1015				
2/25/2020						3.13	1.39	1.4	
2/26/2020									3.24
7/22/2020	<0.1015	0.205							
7/23/2020					<0.1015				
7/27/2020			0.444	<0.1015					
7/28/2020						2.7	1.33	1.34	
7/29/2020									3.06
4/5/2021	0.0854 (J)	0.271	0.427				1.43	1.39	

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.1015	<0.1015	2.54			3.48
9/21/2021	0.0378 (J)	0.283							
9/22/2021			0.447	<0.1015	<0.1015				
9/28/2021						2.34	1.42	1.37	
9/29/2021									3.37
4/20/2022									3.43
4/26/2022									
4/27/2022					<0.1015		1.47	1.41	
5/2/2022	0.0352 (J)	0.324		<0.1015		2.36			
5/3/2022			0.465						
8/30/2022							1.42	1.38	3.33
8/31/2022	<0.1015					2.22			
9/6/2022		0.326	0.459		<0.1015				
9/7/2022				<0.1015					

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			1.33
3/30/2016			
5/17/2016			1.37
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			1.31
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			1.28
11/14/2016			1.31
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			1.29
5/22/2017			
5/24/2017			1.17
6/19/2017			1.24
6/20/2017			
6/21/2017			
8/14/2017			1.19
8/15/2017			
4/16/2018			
4/19/2018			1.3
10/1/2018			1.26
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	2.48		
2/25/2019			
2/27/2019		2.03	
4/3/2019			1.27
5/7/2019			
9/16/2019			
9/17/2019		2.07	
9/18/2019	2.51		1.47
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			1.38
2/26/2020	2.55	2.22	
7/22/2020			1.37
7/23/2020	2.4	1.93	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	2.58	2.16	1.44
9/21/2021			
9/22/2021			
9/28/2021			1.58
9/29/2021	2.53	2.03	
4/20/2022	2.61		
4/26/2022		2.13	1.65
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			1.72
8/31/2022	2.55	2.03	
9/6/2022			
9/7/2022			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.0538 (J)	<0.1015							
3/29/2016			3.48						
5/18/2016	0.0252 (J)	<0.1015	3.61						
7/11/2016		<0.1015							
7/13/2016	<0.1015		3.7			1.63			
7/14/2016							1.73		
8/22/2016						1.32	1.66		
9/13/2016	<0.1015					1.85	1.85		
9/14/2016		<0.1015	3.53						
11/14/2016			3.51						
11/15/2016						2.12	2.09		
11/16/2016	<0.1015	<0.1015							
1/3/2017						2.01	1.89		
2/27/2017	<0.1015								
2/28/2017			3.44						
3/1/2017		<0.1015				1.47	1.88		
5/22/2017	<0.1015								
5/23/2017		<0.1015				1.41	1.87		
5/24/2017			3.31						
6/19/2017		<0.1015	3.48						
6/20/2017						1.38	1.88		
6/21/2017	<0.1015								
8/14/2017	<0.1015		3.4						
8/15/2017		<0.1015				2.04	1.87		
4/17/2018						1.66	2.04		
4/19/2018	0.0258 (J)	<0.1015	3.74						
10/1/2018			3.73						
10/2/2018	<0.1015								
10/3/2018		<0.1015							
10/4/2018						2.58	2.22		
12/5/2018								1.24	1.13
12/6/2018									
12/13/2018				1.73					
2/26/2019									
2/27/2019					2.79				
4/1/2019	<0.1015	<0.1015							
4/2/2019						1.5	2.03		
4/3/2019			3.77						
9/16/2019									
9/17/2019									0.735
9/18/2019	<0.1015	<0.1015	4.12	2.28	2.91	2.51	2.1	1.42	
2/18/2020	<0.1015								
2/19/2020								1.54	1.2
2/25/2020			4.14	2.27	2.92				
2/26/2020						2.28	2.15		
7/21/2020								1.42	0.743
7/22/2020			3.86	2.64	2.79				
7/27/2020	<0.1015								
7/28/2020						1.84	1.97		
7/29/2020									
4/5/2021	<0.1015								
4/6/2021								1.46	0.672

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.82	
12/6/2018	1.38		
12/13/2018			
2/26/2019			0.754
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.805
9/17/2019			
9/18/2019	1.33	1.23	
2/18/2020			
2/19/2020	1.34		
2/25/2020		0.352	0.789
2/26/2020			
7/21/2020		0.658	
7/22/2020	1.18		
7/27/2020			
7/28/2020			
7/29/2020			0.779
4/5/2021			0.796
4/6/2021		0.214	

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	1.16		
4/12/2021			
9/21/2021		0.129	
9/22/2021	1.13		
9/27/2021			
9/28/2021			0.788
4/19/2022			
4/20/2022	1.03		
4/27/2022			0.798
5/2/2022		0.178	
5/3/2022			
8/29/2022	0.997		
8/30/2022			
8/31/2022			0.786
9/6/2022		0.154	
9/7/2022			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.1015							
5/17/2016		<0.1015							
7/11/2016		<0.1015							
9/14/2016		<0.1015							
11/16/2016		<0.1015							
3/1/2017		<0.1015							
5/23/2017		<0.1015							
6/19/2017		<0.1015							
8/15/2017		<0.1015							
4/19/2018		<0.1015							
10/3/2018		<0.1015							
2/26/2019	1.17								
4/2/2019		<0.1015							
9/17/2019	1.18	<0.1015							
9/26/2019	1.22								
10/22/2019			0.0484 (J)						
2/19/2020		<0.1015	0.0595 (J)				2.82		
2/25/2020	1.21					0.337			
2/26/2020				0.446					
4/29/2020			0.204					0.184	0.182
7/20/2020				0.369					0.222
7/21/2020						0.247	2.69	0.148	
7/23/2020			0.0482 (J)						
7/27/2020		<0.1015		0.157					
7/29/2020	1.16								
3/30/2021					0.399	0.231	2.85	0.143	0.208
4/5/2021	1.2	<0.1015		0.171					
4/6/2021			0.0485 (J)						
4/12/2021									
9/21/2021									
9/22/2021						0.145			0.18
9/27/2021		<0.1015			0.401				
9/28/2021	1.16								
9/29/2021			0.0481 (J)	0.155			2.81	0.117	
4/19/2022									
4/26/2022	1.22				0.417	0.129			0.162
4/27/2022				0.124			3	0.22	
5/2/2022			0.0502 (J)						
5/3/2022		<0.1015							
8/29/2022									
8/30/2022		<0.1015							
8/31/2022	1.17		0.0465 (J)	0.142					
9/6/2022					0.409	0.137			0.144
9/7/2022							2.93	0.205	

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	0.317		
7/20/2020	0.393		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.526		
4/5/2021			
4/6/2021			
4/12/2021		<0.1015	<0.1015
9/21/2021		<0.1015	<0.1015
9/22/2021			
9/27/2021	0.51		
9/28/2021			
9/29/2021			
4/19/2022		<0.1015	<0.1015
4/26/2022	0.434		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.1015	<0.1015
8/30/2022			
8/31/2022			
9/6/2022	0.41		
9/7/2022			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								0.161	
3/30/2016	0.193				1.82	2.89	1.85		
4/4/2016									<0.1015
5/17/2016	0.201								
5/19/2016						2.84	1.66		
5/23/2016					2.11			0.197	<0.1015
7/11/2016	0.375								
7/12/2016								0.17	<0.1015
7/13/2016						2.41	1.58		
7/14/2016					2.18				
9/13/2016					2.13	2.06	0.674	0.114	<0.1015
9/14/2016	0.507								
11/15/2016					2.22	2.08	1.72	0.0853 (J)	0.0256 (J)
11/16/2016	0.655								
2/28/2017	0.364							0.0452 (J)	0.021 (J)
3/1/2017					2.24	2.25	1.84		
5/23/2017					2.2	2.11	1.69		
5/24/2017	0.352							0.113	<0.1015
6/20/2017					2.2	2.5	1.75	0.0853 (J)	<0.1015
6/21/2017	0.263								
8/15/2017	0.23				2.16	1.34	1.68	0.0862 (J)	
8/16/2017									<0.1015 (U*)
4/17/2018					2.22	2.74	1.81	0.0649 (J)	0.0386 (J)
4/19/2018	0.305								
10/1/2018					2.64			0.03 (J)	<0.1015
10/3/2018	0.952								
10/4/2018						2.38	2.34		
4/1/2019								0.0345 (J)	<0.1015
4/2/2019	0.271				1.78	2.66	1.64		
9/17/2019	0.619							0.0439 (J)	<0.1015
9/18/2019					2.31	2.68	2.16		
2/17/2020									<0.1015
2/18/2020	0.281								
2/25/2020								<0.1015	
2/26/2020					0.84	2.94	1.99		
7/27/2020	0.3								
7/28/2020					2.05	2.79	1.81		
7/29/2020								<0.1015	<0.1015
4/5/2021	0.2								0.0314 (J)
4/6/2021								0.0327 (J)	
4/7/2021					0.885	2.4	1.9		
4/12/2021		0.0342 (J)	<0.1015						
4/13/2021				<0.1015					
9/21/2021		<0.1015	<0.1015	<0.1015				<0.1015	<0.1015
9/27/2021	0.149				0.721	2.03	1.52		
4/19/2022		<0.1015	<0.1015	<0.1015					
5/2/2022	0.109							0.0313 (J)	<0.1015
5/3/2022					0.562	1.81	1.3		
8/29/2022		<0.1015	<0.1015	<0.1015					
8/30/2022	0.112				0.562	1.72	1.26		
8/31/2022								<0.1015	<0.1015

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00133	<0.000203			
3/29/2016							<0.000203		0.000357 (J)
3/30/2016	<0.000203	<0.000203	<0.000203	<0.000203					
5/17/2016	<0.000203				<0.000203		<0.000203		0.000216 (J)
5/18/2016		<0.000203	<0.000203	<0.000203					
5/19/2016						<0.000203			
7/11/2016					<0.000203	<0.000203			
7/13/2016	<0.000203	<0.000203	<0.000203						
7/14/2016				<0.000203			<0.000203		0.000277 (J)
7/18/2016									
8/22/2016						<0.000203			
9/12/2016			<0.000203	<0.000203					
9/13/2016	<0.000203	<0.000203			<0.000203		<0.000203		0.000203 (J)
9/14/2016						<0.000203			
11/14/2016		<0.000203	<0.000203	<0.000203			<0.000203		
11/15/2016	<0.000203				<0.000203	<0.000203			
11/16/2016									0.00027 (J)
1/3/2017						<0.000203			
2/27/2017					<0.000203	<0.000203			
2/28/2017	<0.000203	<0.000203	<0.000203	<0.000203			<0.000203		0.000351 (J)
5/22/2017	<0.000203	<0.000203					<0.000203		
5/24/2017			<0.000203	<0.000203	<0.000203		<0.000203		0.000339 (J)
6/19/2017	<0.000203	<0.000203					<0.000203		0.000318 (J)
6/20/2017						<0.000203			
6/21/2017			<0.000203	<0.000203	<0.000203				
1/9/2018		<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
1/10/2018	<0.000203								
4/16/2018	<0.000203	<0.000203	<0.000203						
4/19/2018				<0.000203	<0.000203	<0.000203	<0.000203		0.000415 (J)
10/1/2018							<0.000203		0.000491 (J)
10/2/2018	<0.000203								
10/4/2018		<0.000203	<0.000203						
10/5/2018				<0.000203	<0.000203	<0.000203			
12/17/2018									
2/25/2019								<0.000203	
2/27/2019									
4/3/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		0.00051 (J)
5/7/2019						<0.000203			
9/16/2019	<0.000203	<0.000203	<0.000203				<0.000203	<0.000203	
9/17/2019				<0.000203	<0.000203				<0.000203
9/18/2019						<0.000203			
2/17/2020	<0.000203	<0.000203							
2/18/2020			<0.000203						
2/19/2020				<0.000203	<0.000203				
2/25/2020						<0.000203	<0.000203	<0.000203	
2/26/2020									<0.000203
7/22/2020	<0.000203	<0.000203							
7/23/2020					<0.000203				
7/27/2020			<0.000203	<0.000203					
7/28/2020						<0.000203	<0.000203	<0.000203	
7/29/2020									<0.000203
4/5/2021	<0.000203	<0.000203	<0.000203				9.99E-05 (J)	8.25E-05 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.000203	<0.000203	<0.000203			0.000391
9/21/2021	<0.000203	<0.000203							
9/22/2021			<0.000203	<0.000203	<0.000203				
9/28/2021						<0.000203	<0.000203	8E-05 (J)	
9/29/2021									0.00034
4/20/2022									0.00048
4/26/2022									
4/27/2022					<0.000203		8E-05 (J)	0.00012 (J)	
5/2/2022	<0.000203	<0.000203		<0.000203		<0.000203			
5/3/2022			<0.000203						
8/30/2022							<0.000203	8E-05 (J)	0.000271
8/31/2022	<0.000203					<0.000203			
9/6/2022		<0.000203	<0.000203		<0.000203				
9/7/2022				<0.000203					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.000203
3/30/2016			
5/17/2016			<0.000203
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.000203
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.000203
11/14/2016			<0.000203
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.000203
5/22/2017			
5/24/2017			<0.000203
6/19/2017			<0.000203
6/20/2017			
6/21/2017			
1/9/2018			<0.000203
1/10/2018			
4/16/2018			
4/19/2018			<0.000203
10/1/2018			<0.000203
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.000203		
2/25/2019			
2/27/2019		0.000302 (J)	
4/3/2019			<0.000203
5/7/2019			
9/16/2019			
9/17/2019		<0.000203	
9/18/2019	<0.000203		<0.000203
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.000203
2/26/2020	<0.000203	<0.000203	
7/22/2020			<0.000203
7/23/2020	<0.000203	<0.000203	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.000173 (J)	0.000249	<0.000203
9/21/2021			
9/22/2021			
9/28/2021			<0.000203
9/29/2021	0.0001 (J)	0.00017 (J)	
4/20/2022	0.00017 (J)		
4/26/2022		0.00031	<0.000203
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.000203
8/31/2022	7.9E-05 (J)	0.00016 (J)	
9/6/2022			
9/7/2022			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.000203	<0.000203							
3/29/2016			<0.000203						
5/18/2016	<0.000203	<0.000203	<0.000203						
7/11/2016		<0.000203							
7/13/2016	<0.000203		<0.000203			<0.000203			
7/14/2016							<0.000203		
8/22/2016						<0.000203	<0.000203		
9/13/2016	<0.000203					<0.000203	<0.000203		
9/14/2016		<0.000203	<0.000203						
11/14/2016			<0.000203						
11/15/2016						<0.000203	<0.000203		
11/16/2016	<0.000203	<0.000203							
1/3/2017						<0.000203	<0.000203		
2/27/2017	<0.000203								
2/28/2017			<0.000203						
3/1/2017		<0.000203				<0.000203	<0.000203		
5/22/2017	<0.000203								
5/23/2017		<0.000203				<0.000203	<0.000203		
5/24/2017			<0.000203						
6/19/2017		<0.000203	<0.000203						
6/20/2017						<0.000203	<0.000203		
6/21/2017	<0.000203								
1/9/2018			<0.000203					<0.000203	
1/10/2018	<0.000203	<0.000203				<0.000203			
4/17/2018						<0.000203	<0.000203		
4/19/2018	<0.000203	<0.000203	<0.000203						
10/1/2018			<0.000203						
10/2/2018	<0.000203								
10/3/2018		<0.000203							
10/4/2018						<0.000203	<0.000203		
12/5/2018								<0.000203	<0.000203
12/6/2018									
12/13/2018				<0.000203					
2/26/2019									
2/27/2019					<0.000203				
4/1/2019	<0.000203	<0.000203							
4/2/2019						<0.000203	<0.000203		
4/3/2019			<0.000203						
9/16/2019									
9/17/2019									<0.000203
9/18/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	
2/18/2020	<0.000203								
2/19/2020								<0.000203	<0.000203
2/25/2020			<0.000203	<0.000203	<0.000203				
2/26/2020						<0.000203	<0.000203		
7/21/2020								<0.000203	<0.000203
7/22/2020			<0.000203	<0.000203	<0.000203				
7/27/2020	<0.000203								
7/28/2020						<0.000203	<0.000203		
7/29/2020									
4/5/2021	<0.000203								
4/6/2021								<0.000203	<0.000203

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.000203	<0.000203		
4/12/2021			0.000123 (J)	<0.000203	<0.000203				
9/21/2021								<0.000203	<0.000203
9/22/2021	<0.000203								
9/27/2021						<0.000203	<0.000203		
9/28/2021			8E-05 (J)	<0.000203	<0.000203				
4/19/2022	<0.000203				9E-05 (J)				
4/20/2022			0.00013 (J)	<0.000203				<0.000203	<0.000203
4/27/2022									
5/2/2022									
5/3/2022						<0.000203	<0.000203		
8/29/2022					<0.000203				
8/30/2022	<0.000203		0.000104 (J)	<0.000203		<0.000203	<0.000203		
8/31/2022									
9/6/2022									
9/7/2022								<0.000203	<0.000203

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.000203	
12/6/2018	<0.000203		
12/13/2018			
2/26/2019			<0.000203
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.000203
9/17/2019			
9/18/2019	<0.000203	<0.000203	
2/18/2020			
2/19/2020	<0.000203		
2/25/2020		<0.000203	<0.000203
2/26/2020			
7/21/2020		<0.000203	
7/22/2020	<0.000203		
7/27/2020			
7/28/2020			
7/29/2020			<0.000203
4/5/2021			<0.000203
4/6/2021		<0.000203	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.000203		
4/12/2021			
9/21/2021		<0.000203	
9/22/2021	<0.000203		
9/27/2021			
9/28/2021			<0.000203
4/19/2022			
4/20/2022	<0.000203		
4/27/2022			<0.000203
5/2/2022		<0.000203	
5/3/2022			
8/29/2022	<0.000203		
8/30/2022			
8/31/2022			<0.000203
9/6/2022		<0.000203	
9/7/2022			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.000203							
5/17/2016		<0.000203							
7/11/2016		<0.000203							
9/14/2016		<0.000203							
11/16/2016		<0.000203							
3/1/2017		<0.000203							
5/23/2017		<0.000203							
6/19/2017		<0.000203							
1/10/2018		<0.000203							
4/19/2018		<0.000203							
10/3/2018		<0.000203							
2/26/2019	<0.000203								
4/2/2019		<0.000203							
9/17/2019	<0.000203	<0.000203							
9/26/2019	<0.000203								
10/22/2019			<0.000203						
2/19/2020		<0.000203	<0.000203				<0.000203		
2/25/2020	<0.000203					<0.000203			
2/26/2020				<0.000203					
4/29/2020				<0.000203				<0.000203	<0.000203
7/20/2020					<0.000203				<0.000203
7/21/2020						<0.000203	<0.000203	<0.000203	
7/23/2020			<0.000203						
7/27/2020		<0.000203		<0.000203					
7/29/2020	<0.000203								
3/30/2021					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
4/5/2021	<0.000203	<0.000203		<0.000203					
4/6/2021			<0.000203						
4/12/2021									
9/21/2021									
9/22/2021						<0.000203			<0.000203
9/27/2021		<0.000203			<0.000203				
9/28/2021	0.00015 (J)								
9/29/2021			<0.000203	<0.000203			<0.000203	<0.000203	
4/19/2022									
4/26/2022	0.00013 (J)				<0.000203	<0.000203			<0.000203
4/27/2022				<0.000203			<0.000203	<0.000203	
5/2/2022			<0.000203						
5/3/2022		<0.000203							
8/29/2022									
8/30/2022		<0.000203							
8/31/2022	0.000134 (J)		<0.000203	<0.000203					
9/6/2022					<0.000203	<0.000203			<0.000203
9/7/2022							<0.000203	<0.000203	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.000203		
7/20/2020	<0.000203		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.000203		
4/5/2021			
4/6/2021			
4/12/2021		<0.000203	<0.000203
9/21/2021		<0.000203	<0.000203
9/22/2021			
9/27/2021	<0.000203		
9/28/2021			
9/29/2021			
4/19/2022		<0.000203	<0.000203
4/26/2022	<0.000203		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.000203	<0.000203
8/30/2022			
8/31/2022			
9/6/2022	<0.000203		
9/7/2022			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.000203	
3/30/2016	<0.000203				<0.000203	<0.000203	<0.000203		
4/4/2016									<0.000203
5/17/2016	<0.000203								
5/19/2016						<0.000203	<0.000203		
5/23/2016					<0.000203			<0.000203	<0.000203
7/11/2016	<0.000203								
7/12/2016								<0.000203	<0.000203
7/13/2016						<0.000203	<0.000203		
7/14/2016					<0.000203				
9/13/2016					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
9/14/2016	<0.000203								
11/15/2016					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
11/16/2016	<0.000203								
2/28/2017	<0.000203							<0.000203	<0.000203
3/1/2017					<0.000203	<0.000203	<0.000203		
5/23/2017					<0.000203	<0.000203	<0.000203		
5/24/2017	<0.000203							<0.000203	<0.000203
6/20/2017					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
6/21/2017	<0.000203								
1/9/2018					<0.000203				
1/10/2018	<0.000203					<0.000203	<0.000203	<0.000203	<0.000203
4/17/2018					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
4/19/2018	<0.000203								
10/1/2018					<0.000203			<0.000203	<0.000203
10/3/2018	<0.000203								
10/4/2018						<0.000203	<0.000203		
4/1/2019								<0.000203	<0.000203
4/2/2019	<0.000203				<0.000203	<0.000203	<0.000203		
9/17/2019	<0.000203							<0.000203	<0.000203
9/18/2019					<0.000203	<0.000203	<0.000203		
2/17/2020									<0.000203
2/18/2020	<0.000203								
2/25/2020								<0.000203	
2/26/2020					<0.000203	<0.000203	<0.000203		
7/27/2020	<0.000203								
7/28/2020					<0.000203	<0.000203	<0.000203		
7/29/2020								<0.000203	<0.000203
4/5/2021	<0.000203								<0.000203
4/6/2021								<0.000203	
4/7/2021					<0.000203	<0.000203	<0.000203		
4/12/2021		<0.000203	<0.000203						
4/13/2021				0.000855					
9/21/2021		<0.000203	<0.000203	0.00018 (J)				<0.000203	<0.000203
9/27/2021	<0.000203				<0.000203	<0.000203	<0.000203		
4/19/2022		<0.000203	<0.000203	0.00019 (J)					
5/2/2022	<0.000203							<0.000203	<0.000203
5/3/2022					<0.000203	<0.000203	<0.000203		
8/29/2022		<0.000203	<0.000203	<0.000203					
8/30/2022	<0.000203				<0.000203	<0.000203	<0.000203		
8/31/2022								<0.000203	<0.000203

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					124	79.7			
3/29/2016							43.2		77.4
3/30/2016	38.2	36.4	63.4	46.6					
5/17/2016	33.9				74.6		41.4		70.3
5/18/2016		34.7	57.5	46.1					
5/19/2016						91.5			
7/11/2016					68.9	38.1			
7/13/2016	36.7	36.4	62.9						
7/14/2016				45.6			41.9		73
7/18/2016									
8/22/2016						37.3			
9/12/2016			60.1	44.1					
9/13/2016	38.1	35.6			80.3		39.6		70.7
9/14/2016						36.5			
11/14/2016		36.2	61.4	46			41		
11/15/2016	38				102	36.8			
11/16/2016									51.7
1/3/2017						38			
2/27/2017					77.9	36.8			
2/28/2017	39.4	35.4	62.6	45			41.8		73.1
5/22/2017	37.4	34.4				36.9			
5/24/2017			62.3	44.3	72.9		39.8		70.6
6/19/2017	37.4	34.8					40.2		67.7
6/20/2017						36.9			
6/21/2017			63	44.7	80				
8/14/2017	36.4	34.6	60.6	43.5		39.5	41.3		72.8
8/15/2017					72.1				
4/16/2018	38.7	37.4	64.6						
4/19/2018				45.8	59.6	43.4	42.3		80.8
10/1/2018							41.5		102
10/2/2018	39.7								
10/4/2018		40.8	74.5						
10/5/2018				46.8	123	163			
12/17/2018									
2/25/2019								36.8	
2/27/2019									
4/3/2019	40	44.1	67.8	46.9	63.1	209	45.7		116
5/7/2019						175			
9/16/2019	39.1	40.2	69.5				61.3	38.7	
9/17/2019				48.3	74.9				131
9/18/2019						139			
2/17/2020	39.7	41							
2/18/2020			73.1						
2/19/2020				46.7	69.9				
2/25/2020						120	50	38.8	
2/26/2020									102
7/22/2020	38.5	39							
7/23/2020					88.6				
7/27/2020			65.7	45.5					
7/28/2020						102	48.1	38.6	
7/29/2020									103
4/5/2021	40	40.1	64.8				57.6	40.4	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				43.8	78.2	98.6			159
9/21/2021	38.4	40.9							
9/22/2021			67.3	46.6	80				
9/28/2021						92.5	65.3	42.3	
9/29/2021									177
4/20/2022									240
4/26/2022									
4/27/2022					85.3		74.9	49.3	
5/2/2022	37.8	43.4		44.1		93.2			
5/3/2022			65.3						
8/30/2022							111	65.5	300
8/31/2022	36.400002					112			
9/6/2022		46.700001	76.800003		102				
9/7/2022				52.700001					

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			104
3/30/2016			
5/17/2016			110
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			109
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			101
11/14/2016			105
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			108
5/22/2017			
5/24/2017			102
6/19/2017			107
6/20/2017			
6/21/2017			
8/14/2017			105
8/15/2017			
4/16/2018			
4/19/2018			113
10/1/2018			123
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	79.5		
2/25/2019			
2/27/2019		55.8	
4/3/2019			139
5/7/2019			
9/16/2019			
9/17/2019		94	
9/18/2019	101		126
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			119
2/26/2020	87.1	66.6	
7/22/2020			117
7/23/2020	87	62	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	99.9	72.8	121
9/21/2021			
9/22/2021			
9/28/2021			122
9/29/2021	103	71.5	
4/20/2022	140		
4/26/2022		104	149
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			155
8/31/2022	147	91.599998	
9/6/2022			
9/7/2022			

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	46	34.2							
3/29/2016			163						
5/18/2016	42.9	32.6	160						
7/11/2016		32.5							
7/13/2016	43.1		158			66.6			
7/14/2016							61.5		
8/22/2016						52.8	71.3		
9/13/2016	44.1					68	70.3		
9/14/2016		32.1	156						
11/14/2016			156						
11/15/2016						75.2	69		
11/16/2016	42.7	33.4							
1/3/2017						80.9	77.4		
2/27/2017	43.1								
2/28/2017			150						
3/1/2017		33.3				58	77.4		
5/22/2017	41.9								
5/23/2017		32.7				56.3	76.6		
5/24/2017			150						
6/19/2017		32.6	153						
6/20/2017						56.8	83.6		
6/21/2017	41.8								
8/14/2017	43		159						
8/15/2017		31.5				54.5	81.8		
4/17/2018						64.5	94.1		
4/19/2018	43.2	34.2	192						
10/1/2018			184						
10/2/2018	43.8								
10/3/2018		38.6							
10/4/2018						102	99.5		
12/5/2018								31.2	72.5
12/6/2018									
12/13/2018				117					
2/26/2019									
2/27/2019					115				
4/1/2019	45.6	35.8							
4/2/2019						61.1	134		
4/3/2019			206						
9/16/2019									
9/17/2019									66.8
9/18/2019	45.6	35	172	128	124	98.3	102	41.9	
2/18/2020	45.5								
2/19/2020								61.5	73.5
2/25/2020			178	123	124				
2/26/2020						95.5	95.9		
7/21/2020								37.8	64.2
7/22/2020			161	132	119				
7/27/2020	42.6								
7/28/2020						80.8	92.3		
7/29/2020									
4/5/2021	42.6								
4/6/2021								34.3	55.2

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						72.7	79.7		
4/12/2021			161	132	121				
9/21/2021								51.9	48.9
9/22/2021	42.1								
9/27/2021						73.4	77.7		
9/28/2021			170	135	127				
4/19/2022	45.6				130				
4/20/2022			182	136				34.4	62.9
4/27/2022									
5/2/2022									
5/3/2022						73	64		
8/29/2022					171				
8/30/2022	45.799999		214	166		85.599998	83.699997		
8/31/2022									
9/6/2022									
9/7/2022								33.200001	58.900002

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		55.9	
12/6/2018	71.2		
12/13/2018			
2/26/2019			41
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			46.7
9/17/2019			
9/18/2019	81.8	81.7	
2/18/2020			
2/19/2020	73.7		
2/25/2020		31.5	42.6
2/26/2020			
7/21/2020		54.3	
7/22/2020	67.7		
7/27/2020			
7/28/2020			
7/29/2020			39.6
4/5/2021			39.9
4/6/2021		25.9	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	69.3		
4/12/2021			
9/21/2021		22.3	
9/22/2021	68		
9/27/2021			
9/28/2021			39.7
4/19/2022			
4/20/2022	73.2		
4/27/2022			44.4
5/2/2022		27.8	
5/3/2022			
8/29/2022	77.300003		
8/30/2022			
8/31/2022			45.200001
9/6/2022		28.6	
9/7/2022			

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		31.6							
5/17/2016		29.6							
7/11/2016		30							
9/14/2016		30.6							
11/16/2016		30.4							
3/1/2017		<0.5 (o)							
5/23/2017		30.1							
6/19/2017		29.9							
8/15/2017		28.1							
4/19/2018		31.2							
10/3/2018		32.3							
2/26/2019	45								
4/2/2019		31.6							
9/17/2019	48.5	31.7							
9/26/2019	45.4								
10/22/2019			89.1						
2/19/2020		32.3	83.8				124		
2/25/2020	46.8					56.6			
2/26/2020					43.5				
4/29/2020				56.5				50	39.1
7/20/2020					69.3				43.3
7/21/2020						46.8	121	43.7	
7/23/2020			79.1						
7/27/2020		31		41.5					
7/29/2020	43.9								
3/30/2021					60.5	45.8	122	38.8	33.7
4/5/2021	44.7	30.6		33.1					
4/6/2021			78						
4/12/2021									
9/21/2021									
9/22/2021						40.4			30.3
9/27/2021		30.7			59.6				
9/28/2021	46.9								
9/29/2021			78.8	30.2			118	37.6	
4/19/2022									
4/26/2022	50.9				68.6	61.6			27.9
4/27/2022				39.7			157	54.7	
5/2/2022			78.8						
5/3/2022		29.9							
8/29/2022									
8/30/2022		30.6							
8/31/2022	56.5		91.900002	50.799999					
9/6/2022					67.099998	53.5			26.299999
9/7/2022							136	38.400002	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	44.9		
7/20/2020	40.6		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	40.1		
4/5/2021			
4/6/2021			
4/12/2021		23.2	35
9/21/2021		22.3	36.1
9/22/2021			
9/27/2021	40.1		
9/28/2021			
9/29/2021			
4/19/2022		23.3	36.4
4/26/2022	49.4		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		23.1	36.400002
8/30/2022			
8/31/2022			
9/6/2022	39.799999		
9/7/2022			

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								58.2	
3/30/2016	53.6				68.3	75.7	96.4		
4/4/2016									32.3
5/17/2016	50.5								
5/19/2016						69.7	84.5		
5/23/2016					63.1			52.1	31.3
7/11/2016	56.5								
7/12/2016								53.6	31.6
7/13/2016						62.7	84		
7/14/2016					67.7				
9/13/2016					67.8	48.3	58.2	53	31.2
9/14/2016	58								
11/15/2016					68.4	51.8	87.9	51.5	31.5
11/16/2016	61.8								
2/28/2017	56.8							51.4	29.7
3/1/2017					71.8	58.4	96.8		
5/23/2017					70.6	54.8	88		
5/24/2017	55.5							50.8	30.4
6/20/2017					73.8	67.9	87.5	49.8	30.8
6/21/2017	51								
8/15/2017	48.9				65.7	52.5	89.4	51.6	
8/16/2017									30.5
4/17/2018					90	77.1	100	52.2	32.9
4/19/2018	56.5								
10/1/2018					79.6			50.8	32.4
10/3/2018	73.5								
10/4/2018						61.2	106		
4/1/2019								50.5	32.3
4/2/2019	56.9				69.8	80.1	115		
9/17/2019	69.3							54.5	32.7
9/18/2019					79.9	83.9	99.1		
2/17/2020									33.2
2/18/2020	55.8								
2/25/2020								54.7	
2/26/2020					46.8	83.1	95.8		
7/27/2020	57								
7/28/2020					67.8	82.5	84.9		
7/29/2020								49.4	32.4
4/5/2021	52.2								31.7
4/6/2021								51.1	
4/7/2021					53.3	75.5	86.8		
4/12/2021		22.9	26.6						
4/13/2021				11.7					
9/21/2021		21.6	31.7	15.4				51.4	31.5
9/27/2021	54.4				53.1	69.2	76.2		
4/19/2022		21.6	29.4	11					
5/2/2022	56.8							52.4	30.9
5/3/2022					56.6	68.8	69		
8/29/2022		21.299999	30.799999	13.3					
8/30/2022	67.400002				56.599998	84.599998	81.199997		
8/31/2022								64	29.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					2.11	21.9			
3/29/2016							10.8		14.7
3/30/2016	4.59	6.36	21.4	4.69					
5/17/2016	3.94				2.38		10		13.8
5/18/2016		5.93	19.6	4.35					
5/19/2016						20.9			
7/11/2016					2.42	23			
7/13/2016	3.32	5.93	19.6						
7/14/2016				4.33			10.1		13.8
7/18/2016									
8/22/2016						23.3			
9/12/2016			19.7	4.4					
9/13/2016	2.91	5.92			2.34		10.4		14.1
9/14/2016						23.6			
11/14/2016		5.95	19.7	4.76			10.4		
11/15/2016	2.75				2.55	23.8			
11/16/2016									14.2
1/3/2017						24.1			
2/27/2017					5.8	27			
2/28/2017	3.2	6.7	22	6.1			12		17
5/22/2017	3.7	7.1				28			
5/24/2017			22	5.4	5.9		12		17
6/19/2017	3.7	6.2					11		16
6/20/2017						27			
6/21/2017			21	5.2	3.6				
8/14/2017	3.1	6.7	21	5.6		27	12		17
8/15/2017					4.9				
4/16/2018	3.3	6.2	20						
4/19/2018				4.6	6.5	32	12		21
10/1/2018							14		30
10/2/2018	2.6								
10/4/2018		6.9	21						
10/5/2018				5.1	3.5	120			
12/17/2018									
2/25/2019								16.4	
2/27/2019									
4/3/2019	2.7	6.35	19.7	4.85	5.72	156	15.9		38
5/7/2019						180			
9/16/2019	2.54	6.49	19.8				20.4	23.5	
9/17/2019				4.83	4.16				43.2
9/18/2019						142			
2/17/2020	2.61	6.66							
2/18/2020			19.6						
2/19/2020				5.02	4.9				
2/25/2020						138	17.7	25.1	
2/26/2020									27.7
7/22/2020	2.53	6.75							
7/23/2020					3.1				
7/27/2020			19.8	5.2					
7/28/2020						110	17.4	20.7	
7/29/2020									26.5
4/5/2021	3.88	7.09	19.7				19.8	19.8	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				5.06	3.37	105			52.8
9/21/2021	3.39	7.14							
9/22/2021			19.7	4.8	3.5				
9/28/2021						98.3	28.9	23.3	
9/29/2021									94.3
4/20/2022									186
4/26/2022									
4/27/2022					4.1		35.8	30.8	
5/2/2022	3.2	6.86		4.32		79.9			
5/3/2022			18.9						
8/30/2022							56.599998	31.799999	272
8/31/2022	2.43					82			
9/6/2022		7.27	18.4		5.29				
9/7/2022				4.55					

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			11.1
3/30/2016			
5/17/2016			10.3
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			10.3
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			10.3
11/14/2016			10.3
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			12
5/22/2017			
5/24/2017			13
6/19/2017			12
6/20/2017			
6/21/2017			
8/14/2017			12
8/15/2017			
4/16/2018			
4/19/2018			12
10/1/2018			13
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	22		
2/25/2019			
2/27/2019		23.8	
4/3/2019			12.1
5/7/2019			
9/16/2019			
9/17/2019		30.8	
9/18/2019	29.6		12.2
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			12.2
2/26/2020	28.8	27.2	
7/22/2020			12.3
7/23/2020	27.9	27	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	34.4	34.5	12.4
9/21/2021			
9/22/2021			
9/28/2021			13.2
9/29/2021	41.9	39.2	
4/20/2022	59.6		
4/26/2022		71.5	13.5
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			13
8/31/2022	84.599998	70.199997	
9/6/2022			
9/7/2022			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	9.86	1.73							
3/29/2016			17.2						
5/18/2016	9.4	1.4	16.2						
7/11/2016		1.73							
7/13/2016	10.3		16.2			34.8			
7/14/2016							26.9		
8/22/2016						25.1	37.6		
9/13/2016	9.68					34.1	30		
9/14/2016		2.24	16.2						
11/14/2016			16.1						
11/15/2016						40.1	22.7		
11/16/2016	10.2	3.57							
1/3/2017						38.5	26.5		
2/27/2017	12								
2/28/2017			18						
3/1/2017		3.4				23	56		
5/22/2017	12								
5/23/2017		2.4				21	48		
5/24/2017			18						
6/19/2017		1.9 (J)	18						
6/20/2017						22	58		
6/21/2017	12								
8/14/2017	12		18						
8/15/2017		5.4				21	61		
4/17/2018						29	61		
4/19/2018	11	1.8 (J)	17						
10/1/2018			19						
10/2/2018	<2								
10/3/2018		<2							
10/4/2018						58	61		
12/5/2018								69	57
12/6/2018									
1/2/2019				13					
2/26/2019									
2/27/2019					16.5				
4/1/2019	11.9	1.36							
4/2/2019						27	67.3		
4/3/2019			17.9						
9/16/2019									
9/17/2019									44.7
9/18/2019	11.6	1.53	18.7	14.7	15.9	64	46.3	60.7	
2/18/2020	11.4								
2/19/2020								64	42
2/25/2020			19	17.8	16.4				
2/26/2020						56.3	62.2		
7/21/2020								65.3	45
7/22/2020			19.3	23.1	18.5				
7/27/2020	12.1								
7/28/2020						47	66.1		
7/29/2020									
4/5/2021	12.6								
4/6/2021								58.7	30.7

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						44.8	38.9		
4/12/2021			19.8	19.2	24.4				
9/21/2021								55	20.6
9/22/2021	12.8								
9/27/2021						40.1	28.6		
9/28/2021		20	18		23.4				
4/19/2022	13.7				21.95 (D)				
4/20/2022		19.9	18					56.9	23.8
4/27/2022									
5/2/2022									
5/3/2022						30.6	14.8		
8/29/2022					19.299999				
8/30/2022	13	19		16.799999		28.1	15.3		
8/31/2022									
9/6/2022									
9/7/2022								52.700001	18.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		56	
12/6/2018	43		
1/2/2019			
2/26/2019			12.7
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			15.6
9/17/2019			
9/18/2019	41.5	56.7	
2/18/2020			
2/19/2020	43.2		
2/25/2020		22.1	16.9
2/26/2020			
7/21/2020		35	
7/22/2020	37		
7/27/2020			
7/28/2020			
7/29/2020			17.5
4/5/2021			17.2
4/6/2021		17.4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	40.3		
4/12/2021			
9/21/2021		13	
9/22/2021	29.7		
9/27/2021			
9/28/2021			18.3
4/19/2022			
4/20/2022	22.3		
4/27/2022			19.8
5/2/2022		13	
5/3/2022			
8/29/2022	19.799999		
8/30/2022			
8/31/2022			20.299999
9/6/2022		13.6	
9/7/2022			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		2.48							
5/17/2016		1.9							
7/11/2016		1.93							
9/14/2016		1.77							
11/16/2016		1.98							
3/1/2017		2.3							
5/23/2017		2.2							
6/19/2017		1.7 (J)							
8/15/2017		2.1							
4/19/2018		1.7 (J)							
10/3/2018		1.7 (J)							
2/26/2019	16.4								
4/2/2019		1.65							
9/17/2019	20.5	1.93							
9/26/2019	21.5								
10/22/2019			32.3						
2/19/2020		1.81	31.5				17.5		
2/25/2020	25.5					29.2			
2/26/2020					20.1				
4/29/2020				25.4				5.78	145
7/20/2020					43.1				209
7/21/2020						27.7	18.1	8.95	
7/23/2020			30.4						
7/27/2020		1.83		33					
7/29/2020	25.5								
3/30/2021					45.3	27	19	11.3	195
4/5/2021	25.2	1.91		30.6					
4/6/2021			34.4						
4/12/2021									
9/21/2021									
9/22/2021						21.6			168
9/27/2021		1.9			38.1				
9/28/2021	26.8								
9/29/2021			31.9	29.9			19.7	11.3	
4/19/2022									
4/26/2022	29.6				35.9	18.8			137
4/27/2022				22.8			19	8.01	
5/2/2022			31.7						
5/3/2022		1.67							
8/29/2022									
8/30/2022		1.64							
8/31/2022	32.799999		28.9	17.9					
9/6/2022					30.299999	23.9			123
9/7/2022							18.5	7.9	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	12.9		
7/20/2020	12.4		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	13.1		
4/5/2021			
4/6/2021			
4/12/2021		5.88	2.91
9/21/2021		6.09	2.94
9/22/2021			
9/27/2021	13.6		
9/28/2021			
9/29/2021			
4/19/2022		5.24	2.22
4/26/2022	14.1		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		4.26	2.06
8/30/2022			
8/31/2022			
9/6/2022	14.3		
9/7/2022			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								5.14	
3/30/2016	12.9				31.9	30.8	16.9		
4/4/2016									5.89
5/17/2016	12								
5/19/2016						28.7	14.9		
5/23/2016					29.4			5.03	5.2
7/11/2016	20.3								
7/12/2016								4.66	5.71
7/13/2016						24.8	12.6		
7/14/2016					29.5				
9/13/2016					30.8	21.7	8.09	3.98	5.88
9/14/2016	27.3								
11/15/2016					30.7	25.9	14.3	3.71	6.04
11/16/2016	37.1								
2/28/2017	27							5.2	8.6
3/1/2017					40	29	18		
5/23/2017					40	28	19		
5/24/2017	28							5.4	9.3
6/20/2017					44	40	18	5	7.8
6/21/2017	20								
8/15/2017	17				36	32	18	4.6	
8/16/2017									7.6
4/17/2018					63	52	16	3.6	7.5
4/19/2018	21								
10/1/2018					49			3.9	8.9
10/3/2018	21								
10/4/2018						50	25		
4/1/2019								3.9	8.42
4/2/2019	18.3				39.9	66	15.7		
9/17/2019	37.5							3.96	8.59
9/18/2019					42.8	65.3	29.5		
2/17/2020									8.74
2/18/2020	19.6								
2/25/2020								3.81	
2/26/2020					17.5	69.7	28		
7/27/2020	20.2								
7/28/2020					44.2	64.2	22.3		
7/29/2020								3.77	8.93
4/5/2021	12.8								9.25
4/6/2021								3.9	
4/7/2021					18.8	45.5	22.4		
4/12/2021		4.13	3.05						
4/13/2021				4.18					
9/21/2021		2.19	2.78	3.99				3.8	9.17
9/27/2021	11				14.6	45.3	16.5		
4/19/2022		2.03	2.71	3.8					
5/2/2022	8.75							3.33	8.5
5/3/2022					12.8	26.9	12.6		
8/29/2022		1.74	2.15	3.29					
8/30/2022	8.56				12.6	23.9	12		
8/31/2022								2.97	8.1

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00577 (J)	<0.001015			
3/29/2016							<0.001015		<0.001015
3/30/2016	<0.001015	<0.001015	<0.001015	<0.001015					
5/17/2016	<0.001015				<0.001015		<0.001015		<0.001015
5/18/2016		<0.001015	<0.001015	<0.001015					
5/19/2016						<0.001015			
7/11/2016					<0.001015	<0.001015			
7/13/2016	<0.001015	<0.001015	<0.001015						
7/14/2016				<0.001015			<0.001015		<0.001015
7/18/2016									
8/22/2016						<0.001015			
9/12/2016			<0.001015	<0.001015					
9/13/2016	<0.001015	<0.001015			<0.001015		<0.001015		<0.001015
9/14/2016						<0.001015			
11/14/2016		<0.001015	<0.001015	<0.001015			<0.001015		
11/15/2016	<0.001015				<0.001015	<0.001015			
11/16/2016									<0.001015
1/3/2017						<0.001015			
2/27/2017					<0.001015	<0.001015			
2/28/2017	<0.001015	<0.001015	<0.001015	<0.001015			<0.001015		<0.001015
5/22/2017	<0.001015	<0.001015				<0.001015			
5/24/2017			<0.001015	<0.001015	<0.001015		<0.001015		<0.001015
6/19/2017	<0.001015	<0.001015					<0.001015		<0.001015
6/20/2017						<0.001015			
6/21/2017			<0.001015	<0.001015	<0.001015				
1/9/2018		<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
1/10/2018	<0.001015								
4/16/2018	<0.001015	<0.001015	<0.001015						
4/19/2018				<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
10/1/2018							<0.001015		<0.001015
10/2/2018	<0.001015								
10/4/2018		<0.001015	<0.001015						
10/5/2018				<0.001015	<0.001015	<0.001015			
12/17/2018									
2/25/2019								<0.001015	
2/27/2019									
4/3/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
5/7/2019						<0.001015			
9/16/2019	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	
9/17/2019				<0.001015	<0.001015				<0.001015
9/18/2019						<0.001015			
2/17/2020	<0.001015	<0.001015							
2/18/2020			<0.001015						
2/19/2020				<0.001015	<0.001015				
2/25/2020						<0.001015	<0.001015	<0.001015	
2/26/2020									<0.001015
7/22/2020	<0.001015	<0.001015							
7/23/2020					<0.001015				
7/27/2020			<0.001015	<0.001015					
7/28/2020						<0.001015	<0.001015	<0.001015	
7/29/2020									<0.001015
4/5/2021	0.000275 (J)	0.000743 (J)	0.000278 (J)				0.000319 (J)	0.00044 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000353 (J)	0.000234 (J)	0.000777 (J)			0.000347 (J)
9/21/2021	0.00025 (J)	0.00092 (J)							
9/22/2021			0.00039 (J)	0.00032 (J)	0.0003 (J)				
9/28/2021						0.00031 (J)	0.00032 (J)	0.00033 (J)	
9/29/2021									0.00028 (J)
4/20/2022									0.00037 (J)
4/26/2022									
4/27/2022					0.00025 (J)		0.00021 (J)	0.00025 (J)	
5/2/2022	0.00026 (J)	0.00065 (J)		0.00027 (J)		0.00027 (J)			
5/3/2022			<0.001015						
8/30/2022							<0.001015	<0.001015	<0.001015
8/31/2022	0.000378 (J)					0.000323 (J)			
9/6/2022		0.000929 (J)	0.000347 (J)		0.000289 (J)				
9/7/2022				0.000286 (J)					

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.001015
3/30/2016			
5/17/2016			<0.001015
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.001015
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.001015
11/14/2016			<0.001015
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.001015
5/22/2017			
5/24/2017			<0.001015
6/19/2017			<0.001015
6/20/2017			
6/21/2017			
1/9/2018			<0.001015
1/10/2018			
4/16/2018			
4/19/2018			<0.001015
10/1/2018			<0.001015
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.001015		
2/25/2019			
2/27/2019		<0.001015	
4/3/2019			<0.001015
5/7/2019			
9/16/2019			
9/17/2019		<0.001015	
9/18/2019	<0.001015		<0.001015
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.001015
2/26/2020	<0.001015	<0.001015	
7/22/2020			<0.001015
7/23/2020	<0.001015	<0.001015	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.000346 (J)	0.000443 (J)	0.000334 (J)
9/21/2021			
9/22/2021			
9/28/2021			0.00029 (J)
9/29/2021	0.00027 (J)	0.00033 (J)	
4/20/2022	0.00027 (J)		
4/26/2022		0.00024 (J)	0.00024 (J)
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.001015
8/31/2022	0.000336 (J)	0.000343 (J)	
9/6/2022			
9/7/2022			

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.001015	<0.001015							
3/29/2016			<0.001015						
5/18/2016	<0.001015	<0.001015	<0.001015						
7/11/2016		<0.001015							
7/13/2016	<0.001015		<0.001015			<0.001015			
7/14/2016							<0.001015		
8/22/2016						<0.001015	<0.001015		
9/13/2016	<0.001015					<0.001015	<0.001015		
9/14/2016		<0.001015	<0.001015						
11/14/2016			<0.001015						
11/15/2016						<0.001015	<0.001015		
11/16/2016	<0.001015	<0.001015							
1/3/2017						<0.001015	<0.001015		
2/27/2017	<0.001015								
2/28/2017			<0.001015						
3/1/2017		<0.001015				<0.001015	<0.001015		
5/22/2017	<0.001015								
5/23/2017		<0.001015				<0.001015	<0.001015		
5/24/2017			<0.001015						
6/19/2017		<0.001015	<0.001015						
6/20/2017						<0.001015	<0.001015		
6/21/2017	<0.001015								
1/9/2018			<0.001015					<0.001015	
1/10/2018	<0.001015	<0.001015				<0.001015			
4/17/2018						<0.001015	<0.001015		
4/19/2018	<0.001015	<0.001015	<0.001015						
10/1/2018			<0.001015						
10/2/2018	<0.001015								
10/3/2018		<0.001015							
10/4/2018						<0.001015	<0.001015		
12/5/2018								<0.001015	<0.001015
12/6/2018									
12/13/2018				<0.001015					
2/26/2019									
2/27/2019					<0.001015				
4/1/2019	<0.001015	<0.001015							
4/2/2019						<0.001015	<0.001015		
4/3/2019			<0.001015						
9/16/2019									
9/17/2019									<0.001015
9/18/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	
2/18/2020	<0.001015								
2/19/2020								<0.001015	<0.001015
2/25/2020			<0.001015	<0.001015	<0.001015				
2/26/2020						<0.001015	<0.001015		
7/21/2020								<0.001015	<0.001015
7/22/2020			<0.001015	<0.001015	<0.001015				
7/27/2020	<0.001015								
7/28/2020						<0.001015	<0.001015		
7/29/2020									
4/5/2021	0.000316 (J)								
4/6/2021								0.000305 (J)	0.000261 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Date	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.00032 (J)	0.000307 (J)		
4/12/2021			0.00038 (J)	0.000305 (J)	0.000634 (J)				
9/21/2021								0.00043 (J)	0.00031 (J)
9/22/2021	0.00024 (J)								
9/27/2021						0.00037 (J)	0.00031 (J)		
9/28/2021			0.00029 (J)	0.0003 (J)	0.00155				
4/19/2022	0.0003 (J)				0.00174				
4/20/2022			0.00186	0.00024 (J)				0.00029 (J)	0.00026 (J)
4/27/2022									
5/2/2022									
5/3/2022						<0.001015	0.00026 (J)		
8/29/2022					0.00173				
8/30/2022	<0.001015		<0.001015	<0.001015		<0.001015	<0.001015		
8/31/2022									
9/6/2022									
9/7/2022								<0.001015	0.000268 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.001015	
12/6/2018	<0.001015		
12/13/2018			
2/26/2019			<0.001015
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.001015
9/17/2019			
9/18/2019	<0.001015	<0.001015	
2/18/2020			
2/19/2020	<0.001015		
2/25/2020		<0.001015	<0.001015
2/26/2020			
7/21/2020		<0.001015	
7/22/2020	<0.001015		
7/27/2020			
7/28/2020			
7/29/2020			<0.001015
4/5/2021			0.000648 (J)
4/6/2021		0.000362 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.0003 (J)		
4/12/2021			
9/21/2021		0.00027 (J)	
9/22/2021	0.00033 (J)		
9/27/2021			
9/28/2021			0.00032 (J)
4/19/2022			
4/20/2022	0.00038 (J)		
4/27/2022			0.00036 (J)
5/2/2022		0.00027 (J)	
5/3/2022			
8/29/2022	0.000296 (J)		
8/30/2022			
8/31/2022			0.000281 (J)
9/6/2022		0.000321 (J)	
9/7/2022			

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.001015							
5/17/2016		<0.001015							
7/11/2016		<0.001015							
9/14/2016		<0.001015							
11/16/2016		<0.001015							
3/1/2017		<0.001015							
5/23/2017		<0.001015							
6/19/2017		<0.001015							
1/10/2018		<0.001015							
4/19/2018		<0.001015							
10/3/2018		<0.001015							
2/26/2019	<0.001015								
4/2/2019		<0.001015							
9/17/2019	<0.001015	<0.001015							
9/26/2019	<0.001015								
10/22/2019			<0.001015						
2/19/2020		<0.001015	<0.001015				<0.001015		
2/25/2020	<0.001015					<0.001015			
2/26/2020					<0.001015				
4/29/2020				<0.001015				<0.001015	<0.001015
7/20/2020					<0.001015				<0.001015
7/21/2020						<0.001015	<0.001015	<0.001015	
7/23/2020			<0.001015						
7/27/2020		<0.001015		<0.001015					
7/29/2020	<0.001015								
3/30/2021					0.000277 (J)	0.000264 (J)	0.000281 (J)	0.000237 (J)	0.000287 (J)
4/5/2021	0.000293 (J)	0.00065 (J)		0.000397 (J)					
4/6/2021			0.000317 (J)						
4/12/2021									
9/21/2021									
9/22/2021						0.00023 (J)			0.00029 (J)
9/27/2021		0.0005 (J)			0.00029 (J)				
9/28/2021	0.00033 (J)								
9/29/2021			0.00038 (J)	0.00026 (J)			0.00032 (J)	0.00023 (J)	
4/19/2022									
4/26/2022	0.00024 (J)				0.0002 (J)	0.00032 (J)			<0.001015
4/27/2022				<0.001015			<0.001015	<0.001015	
5/2/2022			0.00021 (J)						
5/3/2022		0.00044 (J)							
8/29/2022									
8/30/2022		0.000458 (J)							
8/31/2022	0.000363 (J)		0.000285 (J)	0.000297 (J)					
9/6/2022					0.000276 (J)	0.000279 (J)			<0.001015
9/7/2022							<0.001015	<0.001015	

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.001015		
7/20/2020	<0.001015		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.000245 (J)		
4/5/2021			
4/6/2021			
4/12/2021		0.000599 (J)	0.000345 (J)
9/21/2021		0.00079 (J)	0.00033 (J)
9/22/2021			
9/27/2021	0.00038 (J)		
9/28/2021			
9/29/2021			
4/19/2022		0.00066 (J)	0.0003 (J)
4/26/2022	<0.001015		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.000511 (J)	<0.001015
8/30/2022			
8/31/2022			
9/6/2022	0.000253 (J)		
9/7/2022			

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.001015	
3/30/2016	0.00322 (J)				<0.001015	<0.001015	<0.001015		
4/4/2016									<0.001015
5/17/2016	<0.001015								
5/19/2016						<0.001015	<0.001015		
5/23/2016					<0.001015			<0.001015	<0.001015
7/11/2016	<0.001015								
7/12/2016								<0.001015	<0.001015
7/13/2016						<0.001015	<0.001015		
7/14/2016					<0.001015				
9/13/2016					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
9/14/2016	<0.001015								
11/15/2016					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
11/16/2016	<0.001015								
2/28/2017	<0.001015							<0.001015	<0.001015
3/1/2017					<0.001015	<0.001015	<0.001015		
5/23/2017					<0.001015	<0.001015	<0.001015		
5/24/2017	<0.001015							<0.001015	<0.001015
6/20/2017					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
6/21/2017	<0.001015								
1/9/2018					<0.001015				
1/10/2018	<0.001015					<0.001015	<0.001015	0.00395 (J)	<0.001015
4/17/2018					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/19/2018	<0.001015								
10/1/2018					<0.001015			<0.001015	<0.001015
10/3/2018	<0.001015								
10/4/2018						<0.001015	<0.001015		
4/1/2019								<0.001015	<0.001015
4/2/2019	<0.001015				<0.001015	<0.001015	<0.001015		
9/17/2019	<0.001015							<0.001015	<0.001015
9/18/2019					<0.001015	<0.001015	<0.001015		
2/17/2020									<0.001015
2/18/2020	<0.001015								
2/25/2020								<0.001015	
2/26/2020					<0.001015	<0.001015	<0.001015		
7/27/2020	<0.001015								
7/28/2020					<0.001015	<0.001015	<0.001015		
7/29/2020								<0.001015	<0.001015
4/5/2021	0.000909 (J)								0.000295 (J)
4/6/2021								0.000333 (J)	
4/7/2021					0.000278 (J)	0.000259 (J)	0.000506 (J)		
4/12/2021		0.000871 (J)	0.000441 (J)						
4/13/2021				0.000307 (J)					
9/21/2021		0.00113	0.00045 (J)	0.0005 (J)				0.00031 (J)	0.00032 (J)
9/27/2021	0.00082 (J)				0.00036 (J)	0.00035 (J)	0.00037 (J)		
4/19/2022		0.00106	0.00048 (J)	0.00048 (J)					
5/2/2022	0.00074 (J)							0.00031 (J)	0.00029 (J)
5/3/2022					0.00033 (J)	0.0003 (J)	0.00035 (J)		
8/29/2022		0.000944 (J)	0.000279 (J)	0.000563 (J)					
8/30/2022	0.00055 (J)				0.000268 (J)	<0.001015	<0.001015		
8/31/2022								0.000367 (J)	0.000286 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.00969 (J)	0.00396 (J)			
3/29/2016							<0.000203		<0.000203
3/30/2016	<0.000203	<0.000203	<0.000203	<0.000203					
5/17/2016	<0.000203				<0.000203		<0.000203		<0.000203
5/18/2016		<0.000203	<0.000203	<0.000203					
5/19/2016						0.00207 (J)			
7/11/2016					<0.000203	<0.000203			
7/13/2016	<0.000203	<0.000203	<0.000203						
7/14/2016				<0.000203			<0.000203		<0.000203
7/18/2016									
8/22/2016						<0.000203			
9/12/2016			<0.000203	<0.000203					
9/13/2016	<0.000203	<0.000203			<0.000203		<0.000203		<0.000203
9/14/2016						<0.000203			
11/14/2016		<0.000203	<0.000203	<0.000203			<0.000203		
11/15/2016	<0.000203				<0.000203	<0.000203			
11/16/2016									<0.000203
1/3/2017						<0.000203			
2/27/2017					<0.000203	<0.000203			
2/28/2017	<0.000203	<0.000203	<0.000203	<0.000203			<0.000203		<0.000203
5/22/2017	<0.000203	<0.000203					<0.000203		
5/24/2017			<0.000203	<0.000203	<0.000203		<0.000203		<0.000203
6/19/2017	<0.000203	<0.000203					<0.000203		<0.000203
6/20/2017						<0.000203			
6/21/2017			<0.000203	<0.000203	<0.000203				
1/9/2018		<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
1/10/2018	<0.000203								
4/16/2018	<0.000203	<0.000203	<0.000203						
4/19/2018				<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
10/1/2018							<0.000203		<0.000203
10/2/2018	<0.000203								
10/4/2018		<0.000203	<0.000203						
10/5/2018				<0.000203	<0.000203	<0.000203			
12/17/2018									
2/25/2019								<0.000203	
2/27/2019									
4/3/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
5/7/2019						<0.000203			
9/16/2019	<0.000203	<0.000203	<0.000203				<0.000203	<0.000203	
9/17/2019				<0.000203	<0.000203				<0.000203
9/18/2019						<0.000203			
2/17/2020	<0.000203	<0.000203							
2/18/2020			<0.000203						
2/19/2020				<0.000203	<0.000203				
2/25/2020						<0.000203	<0.000203	<0.000203	
2/26/2020									<0.000203
7/22/2020	<0.000203	<0.000203							
7/23/2020					<0.000203				
7/27/2020			<0.000203	<0.000203					
7/28/2020						<0.000203	<0.000203	<0.000203	
7/29/2020									<0.000203
4/5/2021	<0.000203	<0.000203	0.000113 (J)				0.000679	0.000888	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000142 (J)	<0.000203	0.000352			<0.000203
9/21/2021	<0.000203	<0.000203							
9/22/2021			0.00016 (J)	<0.000203	<0.000203				
9/28/2021						0.0004	0.00095	0.00087	
9/29/2021									<0.000203
4/20/2022									<0.000203
4/26/2022									
4/27/2022					<0.000203		0.0007	0.00099	
5/2/2022	<0.000203	<0.000203		0.00014 (J)		0.00027			
5/3/2022			0.00022						
8/30/2022							0.000978	0.00108	<0.000203
8/31/2022	<0.000203					0.000193 (J)			
9/6/2022		<0.000203	0.00019 (J)		<0.000203				
9/7/2022				9.4E-05 (J)					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.000203
3/30/2016			
5/17/2016			<0.000203
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.000203
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.000203
11/14/2016			<0.000203
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.000203
5/22/2017			
5/24/2017			<0.000203
6/19/2017			<0.000203
6/20/2017			
6/21/2017			
1/9/2018			<0.000203
1/10/2018			
4/16/2018			
4/19/2018			<0.000203
10/1/2018			<0.000203
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.00461 (J)		
2/25/2019			
2/27/2019		<0.000203	
4/3/2019			<0.000203
5/7/2019			
9/16/2019			
9/17/2019		<0.000203	
9/18/2019	0.00327 (J)		<0.000203
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.000203
2/26/2020	0.00265 (J)	<0.000203	
7/22/2020			<0.000203
7/23/2020	0.00251 (J)	<0.000203	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.00202	0.0001 (J)	0.000633
9/21/2021			
9/22/2021			
9/28/2021			0.00132
9/29/2021	0.00206	<0.000203	
4/20/2022	0.00247		
4/26/2022		7E-05 (J)	0.0016
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			0.00194
8/31/2022	0.00155	<0.000203	
9/6/2022			
9/7/2022			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.000203	<0.000203							
3/29/2016			<0.000203						
5/18/2016	<0.000203	<0.000203	<0.000203						
7/11/2016		<0.000203							
7/13/2016	<0.000203		<0.000203			<0.000203			
7/14/2016							<0.000203		
8/22/2016						<0.000203	<0.000203		
9/13/2016	<0.000203					<0.000203	<0.000203		
9/14/2016		<0.000203	<0.000203						
11/14/2016			<0.000203						
11/15/2016						<0.000203	<0.000203		
11/16/2016	<0.000203	<0.000203							
1/3/2017						<0.000203	<0.000203		
2/27/2017	<0.000203								
2/28/2017			<0.000203						
3/1/2017		<0.000203				<0.000203	<0.000203		
5/22/2017	<0.000203								
5/23/2017		<0.000203				<0.000203	<0.000203		
5/24/2017			<0.000203						
6/19/2017		<0.000203	<0.000203						
6/20/2017						<0.000203	<0.000203		
6/21/2017	<0.000203								
1/9/2018			<0.000203					<0.000203	
1/10/2018	<0.000203	<0.000203				<0.000203			
4/17/2018						<0.000203	<0.000203		
4/19/2018	<0.000203	<0.000203	<0.000203						
10/1/2018			<0.000203						
10/2/2018	<0.000203								
10/3/2018		<0.000203							
10/4/2018						<0.000203	<0.000203		
12/5/2018								<0.000203	<0.000203
12/6/2018									
12/13/2018				0.00427 (J)					
2/26/2019									
2/27/2019					<0.000203				
4/1/2019	<0.000203	<0.000203							
4/2/2019						<0.000203	<0.000203		
4/3/2019			<0.000203						
9/16/2019									
9/17/2019									<0.000203
9/18/2019	<0.000203	<0.000203	<0.000203	0.00207 (J)	<0.000203	<0.000203	<0.000203	<0.000203	
2/18/2020	<0.000203								
2/19/2020								<0.000203	<0.000203
2/25/2020			<0.000203	<0.000203	<0.000203				
2/26/2020						<0.000203	<0.000203		
7/21/2020								<0.000203	<0.000203
7/22/2020			<0.000203	<0.000203	<0.000203				
7/27/2020	<0.000203								
7/28/2020						<0.000203	<0.000203		
7/29/2020									
4/5/2021	9.07E-05 (J)								
4/6/2021								<0.000203	<0.000203

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.000374	0.000333		
4/12/2021			<0.000203	0.000454	<0.000203				
9/21/2021								<0.000203	<0.000203
9/22/2021	0.00011 (J)								
9/27/2021						0.00024	0.00031		
9/28/2021			<0.000203	0.00054	0.00022				
4/19/2022	0.00017 (J)				0.00033				
4/20/2022			<0.000203	0.0005				<0.000203	<0.000203
4/27/2022									
5/2/2022									
5/3/2022						0.00116	0.00015 (J)		
8/29/2022					0.000285				
8/30/2022	0.000137 (J)		<0.000203	0.000548		0.00109	0.000334		
8/31/2022									
9/6/2022									
9/7/2022								<0.000203	<0.000203

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.000203	
12/6/2018	<0.000203		
12/13/2018			
2/26/2019			<0.000203
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.000203
9/17/2019			
9/18/2019	<0.000203	<0.000203	
2/18/2020			
2/19/2020	<0.000203		
2/25/2020		<0.000203	<0.000203
2/26/2020			
7/21/2020		<0.000203	
7/22/2020	<0.000203		
7/27/2020			
7/28/2020			
7/29/2020			<0.000203
4/5/2021			0.000304
4/6/2021		<0.000203	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.000203		
4/12/2021			
9/21/2021		<0.000203	
9/22/2021	<0.000203		
9/27/2021			
9/28/2021			0.00019 (J)
4/19/2022			
4/20/2022	<0.000203		
4/27/2022			0.00035
5/2/2022		<0.000203	
5/3/2022			
8/29/2022	<0.000203		
8/30/2022			
8/31/2022			0.000205
9/6/2022		<0.000203	
9/7/2022			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.000203							
5/17/2016		<0.000203							
7/11/2016		<0.000203							
9/14/2016		<0.000203							
11/16/2016		<0.000203							
3/1/2017		<0.000203							
5/23/2017		<0.000203							
6/19/2017		<0.000203							
1/10/2018		<0.000203							
4/19/2018		<0.000203							
10/3/2018		<0.000203							
2/26/2019	<0.000203								
4/2/2019		<0.000203							
9/17/2019	<0.000203	<0.000203							
9/26/2019	<0.000203								
10/22/2019			<0.000203						
2/19/2020		<0.000203	<0.000203				<0.000203		
2/25/2020	<0.000203					<0.000203			
2/26/2020					<0.000203				
4/29/2020				<0.000203				<0.000203	<0.000203
7/20/2020					<0.000203				<0.000203
7/21/2020						<0.000203	<0.000203	<0.000203	
7/23/2020			<0.000203						
7/27/2020		<0.000203		<0.000203					
7/29/2020	<0.000203								
3/30/2021					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
4/5/2021	<0.000203	<0.000203		<0.000203					
4/6/2021			0.00127						
4/12/2021									
9/21/2021									
9/22/2021						<0.000203			<0.000203
9/27/2021		<0.000203			<0.000203				
9/28/2021	<0.000203								
9/29/2021			0.00112	<0.000203			<0.000203	<0.000203	
4/19/2022									
4/26/2022	<0.000203				<0.000203	8E-05 (J)			<0.000203
4/27/2022				<0.000203			<0.000203	<0.000203	
5/2/2022			0.00125						
5/3/2022		<0.000203							
8/29/2022									
8/30/2022		0.000184 (J)							
8/31/2022	<0.000203		0.00121	<0.000203					
9/6/2022					<0.000203	<0.000203			<0.000203
9/7/2022							<0.000203	<0.000203	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.000203		
7/20/2020	<0.000203		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.000203		
4/5/2021			
4/6/2021			
4/12/2021		9.61E-05 (J)	<0.000203
9/21/2021		8E-05 (J)	<0.000203
9/22/2021			
9/27/2021	<0.000203		
9/28/2021			
9/29/2021			
4/19/2022		0.00013 (J)	<0.000203
4/26/2022	<0.000203		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.0001 (J)	<0.000203
8/30/2022			
8/31/2022			
9/6/2022	<0.000203		
9/7/2022			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.000203	
3/30/2016	<0.000203				<0.000203	<0.000203	<0.000203		
4/4/2016									<0.000203
5/17/2016	<0.000203								
5/19/2016						<0.000203	<0.000203		
5/23/2016					<0.000203			<0.000203	<0.000203
7/11/2016	<0.000203								
7/12/2016								<0.000203	<0.000203
7/13/2016						<0.000203	<0.000203		
7/14/2016					<0.000203				
9/13/2016					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
9/14/2016	<0.000203								
11/15/2016					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
11/16/2016	<0.000203								
2/28/2017	<0.000203							<0.000203	<0.000203
3/1/2017					<0.000203	<0.000203	<0.000203		
5/23/2017					<0.000203	<0.000203	<0.000203		
5/24/2017	<0.000203							<0.000203	<0.000203
6/20/2017					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
6/21/2017	<0.000203								
1/9/2018					<0.000203				
1/10/2018	<0.000203					<0.000203	<0.000203	<0.000203	<0.000203
4/17/2018					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
4/19/2018	<0.000203								
10/1/2018					<0.000203			<0.000203	<0.000203
10/3/2018	<0.000203								
10/4/2018						<0.000203	<0.000203		
4/1/2019								<0.000203	<0.000203
4/2/2019	<0.000203				<0.000203	<0.000203	<0.000203		
9/17/2019	<0.000203							<0.000203	<0.000203
9/18/2019					<0.000203	<0.000203	<0.000203		
2/17/2020									<0.000203
2/18/2020	<0.000203								
2/25/2020								<0.000203	
2/26/2020					<0.000203	<0.000203	<0.000203		
7/27/2020	<0.000203								
7/28/2020					<0.000203	<0.000203	<0.000203		
7/29/2020								<0.000203	<0.000203
4/5/2021	<0.000203								<0.000203
4/6/2021								9.45E-05 (J)	
4/7/2021					9.62E-05 (J)	<0.000203	<0.000203		
4/12/2021		0.000109 (J)	0.000167 (J)						
4/13/2021				0.00168					
9/21/2021		<0.000203	<0.000203	<0.000203				<0.000203	<0.000203
9/27/2021	<0.000203				<0.000203	<0.000203	<0.000203		
4/19/2022		<0.000203	8E-05 (J)	0.00018 (J)					
5/2/2022	<0.000203							<0.000203	<0.000203
5/3/2022					9E-05 (J)	<0.000203	<0.000203		
8/29/2022		<0.000203	<0.000203	0.000118 (J)					
8/30/2022	7.8E-05 (J)				0.000112 (J)	<0.000203	<0.000203		
8/31/2022								<0.000203	<0.000203

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					3 (U)	3 (U)			
3/29/2016							2.84251		3 (U)
3/30/2016	3 (U)	3 (U)	3 (U)	3 (U)					
5/17/2016	0.364 (U)				0.119 (U)		3.09		0.792
5/18/2016		0.224 (U)	0.678	0.539					
5/19/2016						0.956			
7/11/2016					0.51 (U)	0.302 (U)			
7/13/2016	0.347 (U)	0.177 (U)	0.707						
7/14/2016				0.652			2.65		0.864
7/18/2016									
8/22/2016						0.613			
9/12/2016			1.04	0.325 (U)					
9/13/2016	0.567	0.216 (U)			0.413 (U)		3.22		1.01
9/14/2016						0.301 (U)			
11/14/2016		0.318 (U)	0.586	0.734			4.18		
11/15/2016	0.305 (U)				0.707	0.538 (U)			
11/16/2016									1.27
1/3/2017						0.394 (U)			
2/27/2017					0.479 (U)	0.129 (U)			
2/28/2017	0.346 (U)	0.551	1.09	0.629			3.61		0.347 (U)
6/19/2017	0.614	0.418 (U)					3		0.317 (U)
6/20/2017						0.362 (U)			
6/21/2017			1.05	0.637	0.529				
1/9/2018		0.402 (U)	1.22	0.825	0.91	1.35	3.76		1.07
1/10/2018	0.629								
4/16/2018	0.0363 (U)	0.437 (U)	0.769						
4/19/2018				0.546 (U)	-0.42 (U)	0.438 (U)	3.32		1.31
10/1/2018							2.91		0.793
10/2/2018	0.613								
10/4/2018		0.703	1.5						
10/5/2018				1.04	0.955	1.47			
12/17/2018									
2/25/2019								2	
2/27/2019									
4/3/2019	0.26 (U)	0.2 (U)	0.669	0.577	0.189 (U)	1.16	3.43		0.907
5/7/2019						1.36			
9/16/2019	0.307 (U)	0.507 (U)	1.04				3.55	3.26	
9/17/2019				0.958 (U)	0.558 (U)				2.09
9/18/2019						0.94			
2/17/2020	0.379 (U)	0.568							
2/18/2020			1.34						
2/19/2020				0.702	0.404 (U)				
2/25/2020						0.669	2.99	2.46	
2/26/2020									1.35
7/22/2020	0.185 (U)	0.24 (U)							
7/23/2020					1.48				
7/27/2020			1.85	0.986					
7/28/2020						2.35	3.49	2.99	
7/29/2020									1.85
4/5/2021	0.579 (U)	0.13 (U)	1.2				4.28	2.4	
4/6/2021				0.66 (U)	0.875 (U)	1.2			0.689 (U)
9/21/2021	0.802 (U)	0.0771 (U)							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
9/22/2021			1.4	0.834 (U)	0.44 (U)				
9/28/2021						1.04 (U)	4.67	3.09	
9/29/2021									1.18
4/20/2022									1.12 (U)
4/26/2022									
4/27/2022					0.753 (U)		4.33	2.56	
5/2/2022	0.349 (U)	0.355 (U)		0.412 (U)		1.14 (U)			
5/3/2022			1.09 (U)						
8/30/2022							4.95	2.99	1.14
8/31/2022	0.73 (U)					0.868 (U)			
9/6/2022		0.101 (U)	0.847 (U)		1.92				
9/7/2022				0.895 (U)					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			3 (U)
3/30/2016			
5/17/2016			1.2
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			1.19
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			1.31
11/14/2016			1.29
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.727
6/19/2017			0.98
6/20/2017			
6/21/2017			
1/9/2018			1.79
1/10/2018			
4/16/2018			
4/19/2018			0.981
10/1/2018			1.54
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.694		
2/25/2019			
2/27/2019		2.01	
4/3/2019			1.49
5/7/2019			
9/16/2019			
9/17/2019		6.44	
9/18/2019	1.56		1.25
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			1.13
2/26/2020	0.489 (U)	5.34	
7/22/2020			2.35
7/23/2020	1.26 (U)	8.21	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			
4/6/2021	1.13	10.9	1.68
9/21/2021			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
9/22/2021			
9/28/2021			1.94
9/29/2021	1.23	11	
4/20/2022	1.72		
4/26/2022		11.6	1.34
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			1.46
8/31/2022	1.62	11	
9/6/2022			
9/7/2022			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	3 (U)	3 (U)							
3/29/2016			17.244						
5/18/2016	0.425	0.142 (U)	19.9						
7/11/2016		0.279 (U)							
7/13/2016	0.584		18.1			0.355 (U)			
7/14/2016							0.711		
8/22/2016						0.816	0.615		
9/13/2016	0.46 (U)					0.761	0.878		
9/14/2016		0.205 (U)	20.3						
11/14/2016			17.2						
11/15/2016						1.43	0.671		
11/16/2016	1.58	0.373 (U)							
1/3/2017						1.11	1		
2/27/2017	0.326 (U)								
2/28/2017			13.9						
3/1/2017		0.217 (U)				0.378 (U)	0.534		
6/19/2017		0.357 (U)	15.6						
6/20/2017						0.224 (U)	0.344 (U)		
6/21/2017	0.143 (U)								
1/9/2018			14.7				0.452 (U)		
1/10/2018	0.67	0.239 (U)				1.11			
4/17/2018						0.367 (U)	0.185 (U)		
4/19/2018	0.316 (U)	-0.125 (U)	11.6						
10/1/2018			15.7						
10/2/2018	0.854								
10/3/2018		0.185 (U)							
10/4/2018						1.05	0.568		
12/5/2018								0.447 (U)	0.541
12/6/2018									
12/13/2018				0.807					
2/26/2019									
2/27/2019					1.09				
4/1/2019	0.263 (U)	0.162 (U)							
4/2/2019						0.182 (U)	0.503		
4/3/2019			13.8						
9/16/2019									
9/17/2019									0.732
9/18/2019	0.29 (U)	-0.0854 (U)	15.7	1.14	2.02	0.435 (U)	0.165 (U)	0.0448 (U)	
2/18/2020	0.779								
2/19/2020								0.384 (U)	0.752
2/25/2020			12.9	0.925	1.78				
2/26/2020						0.032 (U)	0.693		
7/21/2020								0.608	0.566
7/22/2020			15.6	1.46	1.7				
7/27/2020	1.68								
7/28/2020						0.275 (U)	0.41 (U)		
7/29/2020									
4/5/2021	0.959 (U)								
4/6/2021								0.312 (U)	1 (U)
4/7/2021						1.12 (U)	0.365 (U)		
4/12/2021			15.6	1.51	2.14				
9/21/2021								0.618 (U)	0.337 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
9/22/2021	0.368 (U)								
9/27/2021						0.815 (U)	0.892 (U)		
9/28/2021			15.4	2.92	2.87				
4/19/2022	0.66 (U)				3.27				
4/20/2022			1.49	2.27				0.757 (U)	0.419 (U)
4/27/2022									
5/2/2022									
5/3/2022						0.435 (U)	0.617 (U)		
8/29/2022					3.72				
8/30/2022	1		12.7	2.08		0.697 (U)	0.759 (U)		
8/31/2022									
9/6/2022									
9/7/2022								0.81 (U)	0.519 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.786	
12/6/2018	0.29 (U)		
12/13/2018			
2/26/2019			3.76
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			4.63
9/17/2019			
9/18/2019	0.976	1.01	
2/18/2020			
2/19/2020	0.475 (U)		
2/25/2020		0.269 (U)	5.25
2/26/2020			
7/21/2020		0.488 (U)	
7/22/2020	0.713		
7/27/2020			
7/28/2020			
7/29/2020			7.14
4/5/2021			6.64
4/6/2021		0.21 (U)	
4/7/2021	0.472 (U)		
4/12/2021			
9/21/2021		0 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
9/22/2021	1.2 (U)		
9/27/2021			
9/28/2021			6.47
4/19/2022			
4/20/2022	0 (U)		
4/27/2022			5.85
5/2/2022		0.305 (U)	
5/3/2022			
8/29/2022	0.373 (U)		
8/30/2022			
8/31/2022			6.83
9/6/2022		0.427 (U)	
9/7/2022			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		3 (U)							
5/17/2016		0.222 (U)							
7/11/2016		0.118 (U)							
9/14/2016		0.265 (U)							
11/16/2016		0.295 (U)							
3/1/2017		0.0981 (U)							
6/19/2017		0.194 (U)							
1/10/2018		0.753							
4/19/2018		0.171 (U)							
10/3/2018		0.433 (U)							
2/26/2019	9.95								
4/2/2019		-0.0631 (U)							
9/17/2019	13.2	0.0186 (U)							
9/26/2019	16.2								
2/19/2020		0.418 (U)	0.994				0.991		
2/25/2020	13.7					0.967			
2/26/2020					1.42				
4/29/2020				0.35 (U)				0.455 (U)	1.42
7/20/2020					1.4				1.54
7/21/2020						1.34	1.28	0.537	
7/27/2020		-0.0654 (U)		0.288 (U)					
7/29/2020	16.2								
3/30/2021					1.47	1.41	0.371 (U)	0.768 (U)	1.83
4/5/2021	18.7	0.143 (U)		0.716 (U)					
4/6/2021			1.8						
4/12/2021									
9/21/2021									
9/22/2021						1.67			1.95
9/27/2021		0.348 (U)			1.64				
9/28/2021	16.8								
9/29/2021			1.7	0.463 (U)			1.81	1.27	
4/19/2022									
4/26/2022	17.9				1.83	1.21			1.32
4/27/2022				0.735 (U)			1.22	1 (U)	
5/2/2022			0.758 (U)						
5/3/2022		0.822 (U)							
8/29/2022									
8/30/2022		0.842 (U)							
8/31/2022	17		1.91	0.888 (U)					
9/6/2022					2.26	1.8			1.93
9/7/2022							1.18	1 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	3.65		
7/20/2020	4.06		
7/21/2020			
7/27/2020			
7/29/2020			
3/30/2021	4.78		
4/5/2021			
4/6/2021			
4/12/2021		0.369 (U)	0.176 (U)
9/21/2021		0.655 (U)	0.723 (U)
9/22/2021			
9/27/2021	4		
9/28/2021			
9/29/2021			
4/19/2022		0.024 (U)	1.02
4/26/2022	4.41		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.53 (U)	0.527 (U)
8/30/2022			
8/31/2022			
9/6/2022	3.92		
9/7/2022			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								3 (U)	
3/30/2016	3 (U)				3 (U)	3 (U)			
4/4/2016									3 (U)
5/17/2016	0.294 (U)								
5/19/2016						0.544	0.116 (U)		
5/23/2016					0.45			-0.317 (U)	0.0417 (U)
7/11/2016	-0.021 (U)								
7/12/2016								-0.0583 (U)	0.208 (U)
7/13/2016						0.0469 (U)	0.187 (U)		
7/14/2016					0.84				
9/13/2016					0.685	0.179 (U)	0.0165 (U)	0.127 (U)	0.436 (U)
9/14/2016	0.705								
11/15/2016					0.804	1.45	0.236 (U)	0.406 (U)	0.775
11/16/2016	0.491 (U)								
2/28/2017	0.367 (U)							-0.00408 (U)	0.42 (U)
3/1/2017					0.477	0.166 (U)	0.213 (U)		
6/20/2017					0.737	0.484	0.16 (U)	0.22 (U)	0.53
6/21/2017	0.0763 (U)								
1/9/2018					0.714				
1/10/2018	0.818					0.544	0.889	0.0982 (U)	0.903
4/17/2018					0.641	0.719	0.623	-0.237 (U)	0.293 (U)
4/19/2018	0.39 (U)								
10/1/2018					0.651			0.601	1.07
10/3/2018	1.23								
10/4/2018						0.558	0.971		
4/1/2019								-0.0724 (U)	0.334
4/2/2019	0.427				0.245 (U)	0.369	0.326 (U)		
9/17/2019	0.767							0.645	0.194 (U)
9/18/2019					0.435 (U)	0.586	0.56 (U)		
2/17/2020									0.38 (U)
2/18/2020	0.231 (U)								
2/25/2020								0.362 (U)	
2/26/2020					0.661	0.746	0.512 (U)		
7/27/2020	0.97 (U)								
7/28/2020					0.907 (U)	0.292 (U)	0.652 (U)		
7/29/2020								0.398 (U)	0.28 (U)
4/5/2021	0.474 (U)								0.843 (U)
4/6/2021								0.53 (U)	
4/7/2021					1.4	0.387 (U)	0.743 (U)		
4/12/2021		0.161 (U)	0.456 (U)						
4/13/2021				0.404 (U)					
9/21/2021		0.737 (U)	0.828 (U)	0.491 (U)				0.0496 (U)	1.05 (U)
9/27/2021	0.745 (U)				1.34	0.314 (U)	0.319 (U)		
4/19/2022		0.455 (U)	0.392 (U)	0.853 (U)					
5/2/2022	0.658 (U)							0.465 (U)	0.891
5/3/2022					0.958 (U)	0.478 (U)	0.596 (U)		
8/29/2022		0.00194 (U)	0.246 (U)	0.63 (U)					
8/30/2022	1.11				0.775 (U)	0.856 (U)	0.842 (U)		
8/31/2022								0.41 (U)	0.741 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.084 (J)	0.276 (J)			
3/29/2016							0.118 (J)		0.221 (J)
3/30/2016	0.052 (J)	0.026 (J)	0.039 (J)	0.042 (J)					
5/17/2016	0.088 (J)				0.098 (J)		0.151 (J)		0.241 (J)
5/18/2016		0.068 (J)	0.078 (J)	0.08 (J)					
5/19/2016						0.313			
7/11/2016					0.086 (J)	0.076 (J)			
7/13/2016	0.06 (J)	0.049 (J)	0.058 (J)						
7/14/2016				0.06 (J)			0.124 (J)		0.213 (J)
7/18/2016									
8/22/2016						0.067 (J)			
9/12/2016			0.023 (J)	0.028 (J)					
9/13/2016	0.019 (J)	0.018 (J)			0.061 (J)		0.089 (J)		0.168 (J)
9/14/2016						0.036 (J)			
11/14/2016		<0.125	<0.125	<0.125			0.022 (J)		
11/15/2016	<0.125				<0.125	<0.125			
11/16/2016									0.103 (J)
1/3/2017						<0.125			
2/27/2017					0.12	0.06 (J)			
2/28/2017	<0.125	<0.125	<0.125	0.04 (J)			0.1		0.22
5/22/2017	0.04 (J)	<0.125				0.07 (J)			
5/24/2017			0.05 (J)	0.05 (J)	0.12		0.12		0.2
6/19/2017	0.04 (J)	<0.125					0.13		0.21
6/20/2017						0.07 (J)			
6/21/2017			0.05 (J)	0.05 (J)	0.1				
8/14/2017	0.04 (J)	<0.125	0.04 (J)	0.05 (J)		0.07 (J)	0.12		0.22
8/15/2017					0.12				
1/9/2018		<0.125	0.04 (J)	0.05 (J)	0.14	0.08 (J)	0.13		0.24
1/10/2018	<0.125								
4/16/2018	0.04 (J)	<0.125	0.04 (J)						
4/19/2018				0.05 (J)	0.13	0.08 (J)	0.13		0.22
10/1/2018							0.15		0.25
10/2/2018	0.04 (J)								
10/4/2018		0.04 (J)	0.04 (J)						
10/5/2018				0.05 (J)	0.1	0.1			
12/17/2018									
2/25/2019								0.095 (J)	
2/27/2019									
4/3/2019	<0.125	<0.125	<0.125	<0.125	0.106	0.104	0.12		0.182
5/7/2019						0.0937 (J)			
9/16/2019	<0.125	<0.125	0.0538 (J)				0.126	0.0935 (J)	
9/17/2019				0.0753 (J)	0.116				0.187
9/18/2019						0.094 (J)			
2/17/2020	0.051 (J)	0.0546 (J)							
2/18/2020			0.0571 (J)						
2/19/2020				0.06 (J)	0.122				
2/25/2020						0.0995 (J)	0.133	0.0992 (J)	
2/26/2020									0.189
7/22/2020	<0.125	<0.125							
7/23/2020					0.0954 (J)				
7/27/2020			<0.125	<0.125					
7/28/2020						0.0738 (J)	0.124	0.0811 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
7/29/2020									0.185
4/5/2021	0.0627 (J)	0.0634 (J)	0.0733 (J)				0.159	0.136	
4/6/2021				0.0794 (J)	0.124	0.116			0.179
9/21/2021	0.0847 (J)	0.0847 (J)							
9/22/2021			0.0887 (J)	0.117	0.149				
9/28/2021						0.09 (J)	0.125	0.0851 (J)	
9/29/2021									0.211
4/20/2022									0.128
4/26/2022									
4/27/2022					0.0652 (J)		0.0766 (J)	<0.125	
5/2/2022	<0.125	<0.125		<0.125		0.08 (J)			
5/3/2022			<0.125						
8/30/2022							0.114 (J)	0.0733 (J)	0.115 (J)
8/31/2022	<0.125					0.0842 (J)			
9/6/2022		<0.125	<0.125		0.0891 (J)				
9/7/2022				<0.125					

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.04 (J)
3/30/2016			
5/17/2016			0.079 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.058 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.025 (J)
11/14/2016			<0.125
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.04 (J)
5/22/2017			
5/24/2017			0.05 (J)
6/19/2017			0.05 (J)
6/20/2017			
6/21/2017			
8/14/2017			0.05 (J)
8/15/2017			
1/9/2018			0.05 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.05 (J)
10/1/2018			0.06 (J)
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.1		
2/25/2019			
2/27/2019		0.13	
4/3/2019			0.0678 (J)
5/7/2019			
9/16/2019			
9/17/2019		0.0925 (J)	
9/18/2019	0.12		0.0551 (J)
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0701 (J)
2/26/2020	0.124	0.101	
7/22/2020			0.0628 (J)
7/23/2020	0.131	0.0891 (J)	
7/27/2020			
7/28/2020			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
7/29/2020			
4/5/2021			
4/6/2021	0.129	0.0995 (J)	<0.125
9/21/2021			
9/22/2021			
9/28/2021			0.0839 (J)
9/29/2021	0.12	0.0713 (J)	
4/20/2022	0.0941 (J)		
4/26/2022		<0.125	<0.125
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.125
8/31/2022	0.0679 (J)	<0.125	
9/6/2022			
9/7/2022			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.083 (J)	0.028 (J)							
3/29/2016			0.035 (J)						
5/18/2016	0.092 (J)	0.064 (J)	0.076 (J)						
7/11/2016		0.054 (J)							
7/13/2016	0.064 (J)		0.053 (J)			0.118 (J)			
7/14/2016							0.096 (J)		
8/22/2016						0.117 (J)	0.088 (J)		
9/13/2016	0.03 (J)					0.068 (J)	0.054 (J)		
9/14/2016		0.016 (J)	0.022 (J)						
11/14/2016			<0.125						
11/15/2016						<0.125	<0.125		
11/16/2016	<0.125	<0.125							
1/3/2017						<0.125	<0.125		
2/27/2017	<0.125								
2/28/2017			<0.125						
3/1/2017		<0.125				0.04 (J)	0.06 (J)		
5/22/2017	0.04 (J)								
5/23/2017		<0.125				0.04 (J)	0.07 (J)		
5/24/2017			0.04 (J)						
6/19/2017		<0.125	0.04 (J)						
6/20/2017						0.04 (J)	0.06 (J)		
6/21/2017	0.05 (J)								
8/14/2017	0.04 (J)		0.04 (J)						
8/15/2017		<0.125				<0.125	0.06 (J)		
1/9/2018			0.04 (J)				0.07 (J)		
1/10/2018	0.04 (J)	<0.125				0.06 (J)			
4/17/2018						<0.125	0.06 (J)		
4/19/2018	0.04 (J)	<0.125	0.04 (J)						
10/1/2018			0.05 (J)						
10/2/2018	0.05 (J)								
10/3/2018		0.04 (J)							
10/4/2018						0.07 (J)	0.08 (J)		
12/5/2018								0.04 (J)	0.05 (J)
12/6/2018									
1/2/2019				11					
2/26/2019									
2/27/2019					0.0806 (J)				
4/1/2019	0.0563 (J)	<0.125							
4/2/2019						<0.125	0.0613 (J)		
4/3/2019			0.0657 (J)						
5/7/2019				0.101					
9/16/2019									
9/17/2019									0.0892 (J)
9/18/2019	0.0507 (J)	<0.125	<0.125	0.0879 (J)	0.0523 (J)	0.0749 (J)	0.065 (J)	0.0623 (J)	
2/18/2020	0.0557 (J)								
2/19/2020								<0.125	0.0647 (J)
2/25/2020			0.0566 (J)	0.0976 (J)	0.0724 (J)				
2/26/2020						0.0804 (J)	0.0687 (J)		
7/21/2020								0.0713 (J)	0.0903 (J)
7/22/2020			<0.125	0.0955 (J)	<0.125				
7/27/2020	<0.125								
7/28/2020						<0.125	<0.125		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
7/29/2020									
4/5/2021	0.088 (J)								
4/6/2021								0.105	0.109
4/7/2021						0.0739 (J)	0.0834 (J)		
4/12/2021			0.0644 (J)	0.108	0.0733 (J)				
9/21/2021								0.0903 (J)	0.105
9/22/2021	0.0965 (J)								
9/27/2021						0.0914 (J)	0.1		
9/28/2021			0.0828 (J)	0.0942 (J)	0.0697 (J)				
4/19/2022	<0.125				0.09645 (JD)				
4/20/2022			<0.125	0.0672 (J)				<0.125	<0.125
4/27/2022									
5/2/2022									
5/3/2022						<0.125	0.0819 (J)		
8/29/2022					0.0767 (J)				
8/30/2022	<0.125		<0.125	0.0779 (J)		<0.125	<0.125		
8/31/2022									
9/6/2022									
9/7/2022								0.0739 (J)	<0.125

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.125	
12/6/2018	<0.125		
1/2/2019			
2/26/2019			0.0777 (J)
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
5/7/2019			
9/16/2019			0.0768 (J)
9/17/2019			
9/18/2019	<0.125	0.0618 (J)	
2/18/2020			
2/19/2020	<0.125		
2/25/2020		0.0554 (J)	0.0778 (J)
2/26/2020			
7/21/2020		0.0959 (J)	
7/22/2020	<0.125		
7/27/2020			
7/28/2020			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
7/29/2020			0.067 (J)
4/5/2021			0.0933 (J)
4/6/2021		0.0752 (J)	
4/7/2021	0.0741 (J)		
4/12/2021			
9/21/2021		<0.125	
9/22/2021	0.0852 (J)		
9/27/2021			
9/28/2021			0.0653 (J)
4/19/2022			
4/20/2022	<0.125		
4/27/2022			<0.125
5/2/2022		<0.125	
5/3/2022			
8/29/2022	<0.125		
8/30/2022			
8/31/2022			<0.125
9/6/2022		<0.125	
9/7/2022			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.032 (J)							
5/17/2016		0.068 (J)							
7/11/2016		0.057 (J)							
9/14/2016		0.017 (J)							
11/16/2016		<0.125							
3/1/2017		<0.125							
5/23/2017		<0.125							
6/19/2017		<0.125							
8/15/2017		<0.125							
1/10/2018		<0.125							
4/19/2018		<0.125							
10/3/2018		<0.125							
2/26/2019	0.106								
4/2/2019		<0.125							
9/17/2019	0.0669 (J)	<0.125							
9/26/2019	0.0749 (J)								
10/22/2019			0.187						
2/19/2020		<0.125	0.236				0.13		
2/25/2020	0.0683 (J)					0.235			
2/26/2020					0.143				
4/29/2020				0.269				0.141	0.397
7/20/2020					0.169				0.407
7/21/2020						0.313	0.118	0.157	
7/23/2020			0.17						
7/27/2020		<0.125		0.428					
7/29/2020	0.0608 (J)								
3/30/2021					0.216	0.29	0.106	0.187	0.405
4/5/2021	0.078 (J)	0.0801 (J)		0.558					
4/6/2021			0.193						
4/12/2021									
9/21/2021									
9/22/2021						0.363			0.452
9/27/2021		0.0805 (J)			0.245				
9/28/2021	0.0614 (J)								
9/29/2021			0.19	0.656			0.136	0.223	
4/19/2022									
4/26/2022	<0.125				0.16	0.177			0.436
4/27/2022				0.39			<0.125	0.0993 (J)	
5/2/2022			0.152						
5/3/2022		<0.125							
8/29/2022									
8/30/2022		<0.125							
8/31/2022	<0.125		0.131	0.208					
9/6/2022					0.165	0.245			0.421
9/7/2022							0.0807 (J)	0.129	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	0.164		
7/20/2020	0.158		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.169		
4/5/2021			
4/6/2021			
4/12/2021		<0.125	0.163
9/21/2021		0.0969 (J)	0.181
9/22/2021			
9/27/2021	0.187		
9/28/2021			
9/29/2021			
4/19/2022		<0.125	0.107 (J)
4/26/2022	0.152		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.0941 (J)	0.0988 (J)
8/30/2022			
8/31/2022			
9/6/2022	0.235		
9/7/2022			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								0.104 (J)	
3/30/2016	0.023 (J)				0.048 (J)	0.056 (J)	0.034 (J)		
4/4/2016									0.109 (J)
5/17/2016	0.065 (J)								
5/19/2016						0.09 (J)	0.072 (J)		
5/23/2016					0.076 (J)			0.131 (J)	0.1 (J)
7/11/2016	0.054 (J)								
7/12/2016								0.105 (J)	0.11 (J)
7/13/2016						0.067 (J)	0.054 (J)		
7/14/2016					0.058 (J)				
9/13/2016					0.025 (J)	0.026 (J)	0.021 (J)	0.057 (J)	0.075 (J)
9/14/2016	0.014 (J)								
11/15/2016					<0.125	<0.125	<0.125	<0.125	0.023 (J)
11/16/2016	<0.125								
2/28/2017	<0.125							0.07 (J)	0.11
3/1/2017					0.04 (J)	<0.125	<0.125		
5/23/2017					0.05 (J)	0.04 (J)	0.04 (J)		
5/24/2017	<0.125							0.09 (J)	0.11
6/20/2017					0.06 (J)	0.05 (J)	0.04 (J)	0.08 (J)	0.12
6/21/2017	<0.125								
8/15/2017	<0.125				0.05 (J)	0.04 (J)	0.04 (J)	0.09 (J)	
8/16/2017									<0.125 (U*)
1/9/2018					0.04 (J)				
1/10/2018	<0.125					0.04 (J)	0.04 (J)	0.11	0.12
4/17/2018					0.04 (J)	0.04 (J)	<0.125	0.09 (J)	0.12
4/19/2018	<0.125								
10/1/2018					0.05 (J)			0.12	0.14
10/3/2018	<0.125								
10/4/2018						0.05 (J)	0.05 (J)		
4/1/2019								0.0956 (J)	0.136
4/2/2019	<0.125				0.0555 (J)	0.0586 (J)	0.052 (J)		
9/17/2019	<0.125							0.0971 (J)	0.128
9/18/2019					0.0568 (J)	0.0634 (J)	0.0578 (J)		
2/17/2020									0.15
2/18/2020	0.0506 (J)								
2/25/2020								0.0898 (J)	
2/26/2020					0.0647 (J)	<0.125	0.0523 (J)		
7/27/2020	<0.125								
7/28/2020					<0.125	<0.125	<0.125		
7/29/2020								0.0742 (J)	0.116
4/5/2021	0.0842 (J)								0.15
4/6/2021								0.114	
4/7/2021					0.0874 (J)	0.0872 (J)	0.0705 (J)		
4/12/2021		0.0651 (J)	<0.125						
4/13/2021				<0.125					
9/21/2021		0.083 (J)	0.113	0.0656 (J)				0.132	0.181
9/27/2021	0.0702 (J)				0.0989 (J)	0.0862 (J)	0.0882 (J)		
4/19/2022		<0.125	<0.125	<0.125					
5/2/2022	<0.125							0.111 (J)	0.122 (J)
5/3/2022					0.0648 (J)	<0.125	<0.125		
8/29/2022		<0.125	<0.125	<0.125					
8/30/2022	<0.125				<0.125	<0.125	<0.125		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
8/31/2022								<0.125	0.089 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0202 (o)	<0.000203			
3/29/2016							<0.000203		<0.000203
3/30/2016	<0.000203	<0.000203	<0.000203	<0.000203					
5/17/2016	<0.000203				0.00114 (J)		<0.000203		<0.000203
5/18/2016		<0.000203	<0.000203	<0.000203					
5/19/2016						<0.000203			
7/11/2016					<0.000203	<0.000203			
7/13/2016	<0.000203	<0.000203	<0.000203						
7/14/2016				<0.000203			<0.000203		<0.000203
7/18/2016									
8/22/2016						<0.000203			
9/12/2016			<0.000203	<0.000203					
9/13/2016	<0.000203	<0.000203			<0.000203		<0.000203		<0.000203
9/14/2016						<0.000203			
11/14/2016		<0.000203	<0.000203	<0.000203			<0.000203		
11/15/2016	<0.000203				<0.000203	<0.000203			
11/16/2016									<0.000203
1/3/2017						<0.000203			
2/27/2017					<0.000203	<0.000203			
2/28/2017	<0.000203	<0.000203	<0.000203	<0.000203			<0.000203		<0.000203
5/22/2017	<0.000203	<0.000203				<0.000203			
5/24/2017			<0.000203	<0.000203	<0.000203		<0.000203		<0.000203
6/19/2017	<0.000203	<0.000203					<0.000203		<0.000203
6/20/2017						<0.000203			
6/21/2017			<0.000203	<0.000203	<0.000203				
1/9/2018		<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
1/10/2018	<0.000203								
4/16/2018	<0.000203	<0.000203	<0.000203						
4/19/2018				<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
10/1/2018							<0.000203		<0.000203
10/2/2018	<0.000203								
10/4/2018		<0.000203	<0.000203						
10/5/2018				<0.000203	<0.000203	<0.000203			
12/17/2018									
2/25/2019								<0.000203	
2/27/2019									
4/3/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
5/7/2019						<0.000203			
9/16/2019	<0.000203	<0.000203	<0.000203				<0.000203	<0.000203	
9/17/2019				<0.000203	<0.000203				<0.000203
9/18/2019						<0.000203			
2/17/2020	<0.000203	<0.000203							
2/18/2020			<0.000203						
2/19/2020				<0.000203	<0.000203				
2/25/2020						<0.000203	<0.000203	<0.000203	
2/26/2020									<0.000203
7/22/2020	<0.000203	<0.000203							
7/23/2020					<0.000203				
7/27/2020			<0.000203	<0.000203					
7/28/2020						<0.000203	<0.000203	<0.000203	
7/29/2020									<0.000203
4/5/2021	<0.000203	<0.000203	<0.000203				<0.000203	<0.000203	

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000106 (J)	<0.000203	<0.000203			<0.000203
9/21/2021	<0.000203	<0.000203							
9/22/2021			<0.000203	<0.000203	<0.000203				
9/28/2021						<0.000203	<0.000203	<0.000203	
9/29/2021									<0.000203
4/20/2022									<0.000203
4/26/2022									
4/27/2022					<0.000203		<0.000203	<0.000203	
5/2/2022	<0.000203	<0.000203		<0.000203		<0.000203			
5/3/2022			<0.000203						
8/30/2022							<0.000203	<0.000203	<0.000203
8/31/2022	<0.000203					<0.000203			
9/6/2022		<0.000203	<0.000203		<0.000203				
9/7/2022				<0.000203					

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.000203
3/30/2016			
5/17/2016			<0.000203
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.000203
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.000203
11/14/2016			<0.000203
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.000203
5/22/2017			
5/24/2017			<0.000203
6/19/2017			<0.000203
6/20/2017			
6/21/2017			
1/9/2018			<0.000203
1/10/2018			
4/16/2018			
4/19/2018			<0.000203
10/1/2018			<0.000203
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.000203		
2/25/2019			
2/27/2019		<0.000203	
4/3/2019			<0.000203
5/7/2019			
9/16/2019			
9/17/2019		<0.000203	
9/18/2019	<0.000203		<0.000203
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.000203
2/26/2020	<0.000203	<0.000203	
7/22/2020			<0.000203
7/23/2020	<0.000203	<0.000203	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.000203	<0.000203	<0.000203
9/21/2021			
9/22/2021			
9/28/2021			<0.000203
9/29/2021	<0.000203	<0.000203	
4/20/2022	<0.000203		
4/26/2022		<0.000203	<0.000203
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.000203
8/31/2022	<0.000203	<0.000203	
9/6/2022			
9/7/2022			

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.000203	<0.000203							
3/29/2016			<0.000203						
5/18/2016	<0.000203	<0.000203	<0.000203						
7/11/2016		<0.000203							
7/13/2016	<0.000203		<0.000203			<0.000203			
7/14/2016							<0.000203		
8/22/2016						<0.000203	<0.000203		
9/13/2016	<0.000203					<0.000203	<0.000203		
9/14/2016		<0.000203	<0.000203						
11/14/2016			<0.000203						
11/15/2016						<0.000203	<0.000203		
11/16/2016	<0.000203	<0.000203							
1/3/2017						<0.000203	<0.000203		
2/27/2017	<0.000203								
2/28/2017			<0.000203						
3/1/2017		<0.000203				<0.000203	<0.000203		
5/22/2017	<0.000203								
5/23/2017		<0.000203				<0.000203	<0.000203		
5/24/2017			<0.000203						
6/19/2017		<0.000203	<0.000203						
6/20/2017						<0.000203	<0.000203		
6/21/2017	<0.000203								
1/9/2018			<0.000203					<0.000203	
1/10/2018	<0.000203	<0.000203				<0.000203			
4/17/2018						<0.000203	<0.000203		
4/19/2018	<0.000203	<0.000203	<0.000203						
10/1/2018			<0.000203						
10/2/2018	<0.000203								
10/3/2018		<0.000203							
10/4/2018						<0.000203	<0.000203		
12/5/2018								<0.000203	<0.000203
12/6/2018									
12/13/2018				<0.000203					
2/26/2019									
2/27/2019					<0.000203				
4/1/2019	<0.000203	<0.000203							
4/2/2019						<0.000203	<0.000203		
4/3/2019			<0.000203						
9/16/2019									
9/17/2019									<0.000203
9/18/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	
2/18/2020	<0.000203								
2/19/2020								<0.000203	<0.000203
2/25/2020			<0.000203	<0.000203	<0.000203				
2/26/2020						<0.000203	<0.000203		
7/21/2020								<0.000203	<0.000203
7/22/2020			<0.000203	<0.000203	<0.000203				
7/27/2020	<0.000203								
7/28/2020						<0.000203	<0.000203		
7/29/2020									
4/5/2021	<0.000203								
4/6/2021								<0.000203	<0.000203

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.000203	<0.000203		
4/12/2021			<0.000203	<0.000203	0.000234				
9/21/2021								<0.000203	<0.000203
9/22/2021	<0.000203								
9/27/2021						<0.000203	<0.000203		
9/28/2021			<0.000203	<0.000203	0.00072				
4/19/2022	0.00019 (J)				0.00115				
4/20/2022			<0.000203	<0.000203				<0.000203	<0.000203
4/27/2022									
5/2/2022									
5/3/2022						<0.000203	<0.000203		
8/29/2022					0.000847				
8/30/2022	<0.000203		<0.000203	<0.000203		<0.000203	<0.000203		
8/31/2022									
9/6/2022									
9/7/2022								<0.000203	8.7E-05 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.000203	
12/6/2018	<0.000203		
12/13/2018			
2/26/2019			<0.000203
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.000203
9/17/2019			
9/18/2019	<0.000203	<0.000203	
2/18/2020			
2/19/2020	<0.000203		
2/25/2020		<0.000203	<0.000203
2/26/2020			
7/21/2020		<0.000203	
7/22/2020	<0.000203		
7/27/2020			
7/28/2020			
7/29/2020			<0.000203
4/5/2021			0.000129 (J)
4/6/2021		<0.000203	

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.000203		
4/12/2021			
9/21/2021		<0.000203	
9/22/2021	<0.000203		
9/27/2021			
9/28/2021			<0.000203
4/19/2022			
4/20/2022	<0.000203		
4/27/2022			0.0001 (J)
5/2/2022		<0.000203	
5/3/2022			
8/29/2022	<0.000203		
8/30/2022			
8/31/2022			<0.000203
9/6/2022		<0.000203	
9/7/2022			

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.00128 (J)							
5/17/2016		<0.000203							
7/11/2016		<0.000203							
9/14/2016		<0.000203							
11/16/2016		<0.000203							
3/1/2017		<0.000203							
5/23/2017		<0.000203							
6/19/2017		<0.000203							
1/10/2018		<0.000203							
4/19/2018		<0.000203							
10/3/2018		<0.000203							
2/26/2019	<0.000203								
4/2/2019		<0.000203							
9/17/2019	<0.000203	<0.000203							
9/26/2019	<0.000203								
10/22/2019			<0.000203						
2/19/2020		<0.000203	<0.000203				<0.000203		
2/25/2020	<0.000203					<0.000203			
2/26/2020					<0.000203				
4/29/2020				<0.000203				<0.000203	<0.000203
7/20/2020					<0.000203				<0.000203
7/21/2020						<0.000203	<0.000203	<0.000203	
7/23/2020			<0.000203						
7/27/2020		<0.000203		<0.000203					
7/29/2020	<0.000203								
3/30/2021					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
4/5/2021	<0.000203	<0.000203		<0.000203					
4/6/2021			<0.000203						
4/12/2021									
9/21/2021									
9/22/2021						<0.000203			<0.000203
9/27/2021		<0.000203			<0.000203				
9/28/2021	<0.000203								
9/29/2021			<0.000203	<0.000203			<0.000203	<0.000203	
4/19/2022									
4/26/2022	<0.000203				<0.000203	<0.000203			<0.000203
4/27/2022				<0.000203			<0.000203	<0.000203	
5/2/2022			<0.000203						
5/3/2022		<0.000203							
8/29/2022									
8/30/2022		0.000615							
8/31/2022	<0.000203		<0.000203	<0.000203					
9/6/2022					<0.000203	<0.000203			<0.000203
9/7/2022							<0.000203	<0.000203	

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.000203		
7/20/2020	<0.000203		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.000203		
4/5/2021			
4/6/2021			
4/12/2021		0.000124 (J)	<0.000203
9/21/2021		0.00012 (J)	<0.000203
9/22/2021			
9/27/2021	<0.000203		
9/28/2021			
9/29/2021			
4/19/2022		0.0001 (J)	<0.000203
4/26/2022	<0.000203		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.000203	<0.000203
8/30/2022			
8/31/2022			
9/6/2022	<0.000203		
9/7/2022			

Time Series

Constituent: Lead (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.000203	
3/30/2016	0.00247 (J)			<0.000203	<0.000203	<0.000203			
4/4/2016									<0.000203
5/17/2016	<0.000203								
5/19/2016					<0.000203	<0.000203			
5/23/2016				<0.000203				<0.000203	<0.000203
7/11/2016	<0.000203								
7/12/2016								<0.000203	<0.000203
7/13/2016					<0.000203	<0.000203			
7/14/2016				<0.000203					
9/13/2016				<0.000203	<0.000203	<0.000203		<0.000203	<0.000203
9/14/2016	<0.000203								
11/15/2016				<0.000203	<0.000203	<0.000203		<0.000203	<0.000203
11/16/2016	<0.000203								
2/28/2017	<0.000203							<0.000203	<0.000203
3/1/2017				<0.000203	<0.000203	<0.000203			
5/23/2017				<0.000203	<0.000203	<0.000203			
5/24/2017	<0.000203							<0.000203	<0.000203
6/20/2017				<0.000203	<0.000203	<0.000203		<0.000203	<0.000203
6/21/2017	<0.000203								
1/9/2018				<0.000203					
1/10/2018	<0.000203				<0.000203	<0.000203		<0.000203	<0.000203
4/17/2018				<0.000203	<0.000203	<0.000203		<0.000203	<0.000203
4/19/2018	<0.000203								
10/1/2018				<0.000203				<0.000203	<0.000203
10/3/2018	<0.000203								
10/4/2018					<0.000203	<0.000203			
4/1/2019								<0.000203	<0.000203
4/2/2019	<0.000203			<0.000203	<0.000203	<0.000203			
9/17/2019	<0.000203							<0.000203	<0.000203
9/18/2019				<0.000203	<0.000203	<0.000203			
2/17/2020									<0.000203
2/18/2020	<0.000203								
2/25/2020								<0.000203	
2/26/2020				<0.000203	<0.000203	<0.000203			
7/27/2020	<0.000203								
7/28/2020				<0.000203	<0.000203	<0.000203			
7/29/2020								<0.000203	<0.000203
4/5/2021	<0.000203								<0.000203
4/6/2021								<0.000203	
4/7/2021				0.00014 (J)	<0.000203	<0.000203			
4/12/2021		0.000114 (J)	0.000122 (J)						
4/13/2021				<0.000203					
9/21/2021		<0.000203	<0.000203	<0.000203				<0.000203	<0.000203
9/27/2021	<0.000203				0.0001 (J)	<0.000203	<0.000203		
4/19/2022		<0.000203	<0.000203	7E-05 (J)					
5/2/2022	<0.000203							<0.000203	<0.000203
5/3/2022					0.0001 (J)	<0.000203	<0.000203		
8/29/2022		<0.000203	<0.000203	<0.000203					
8/30/2022	<0.000203				0.00013 (J)	<0.000203	<0.000203		
8/31/2022								<0.000203	<0.000203

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					0.0107 (J)	<0.02			
3/29/2016							0.0774		0.646
3/30/2016	<0.02	<0.02	<0.02	<0.02					
5/17/2016	<0.02				<0.02		0.0738		0.613
5/18/2016		<0.02	<0.02	<0.02					
5/19/2016						<0.02			
7/11/2016					<0.02	0.0133 (J)			
7/13/2016	<0.02	<0.02	<0.02						
7/14/2016				<0.02			0.0788		0.616
7/18/2016									
8/22/2016						0.0167 (J)			
9/12/2016			<0.02	<0.02					
9/13/2016	<0.02	<0.02			<0.02		0.0748		0.592
9/14/2016						0.019 (J)			
11/14/2016		<0.02	<0.02	<0.02			0.0851		
11/15/2016	<0.02				<0.02	0.024 (J)			
11/16/2016									0.603
1/3/2017						0.0305 (J)			
2/27/2017					<0.02	0.038 (J)			
2/28/2017	<0.02	<0.02	<0.02	<0.02			0.0766		0.562
5/22/2017	<0.02	<0.02				0.0451 (J)			
5/24/2017			<0.02	<0.02	<0.02		0.0722		0.561
6/19/2017	<0.02	<0.02					0.0693		0.543
6/20/2017						0.043 (J)			
6/21/2017			<0.02	<0.02	<0.02				
1/9/2018		<0.02	<0.02	<0.02	<0.02	0.0595	0.0781		0.621
1/10/2018	<0.02								
4/16/2018	<0.02	<0.02	<0.02						
4/19/2018				<0.02	<0.02	0.0793	0.0752		0.591
10/1/2018							0.076		0.628
10/2/2018	<0.02								
10/4/2018		<0.02	<0.02						
10/5/2018				<0.02	<0.02	0.113			
12/17/2018									
2/25/2019								0.298	
2/27/2019									
4/3/2019	<0.02	<0.02	<0.02	<0.02	<0.02	0.149	0.0814		0.716
5/7/2019						0.164			
9/16/2019	<0.02	<0.02	<0.02				0.0926	0.312	
9/17/2019				<0.02	<0.02				0.785
9/18/2019						0.186			
2/17/2020	<0.02	<0.02							
2/18/2020			<0.02						
2/19/2020				<0.02	<0.02				
2/25/2020						0.0848	0.0951	0.318	
2/26/2020									0.752
7/22/2020	<0.02	<0.02							
7/23/2020					<0.02				
7/27/2020			<0.02	<0.02					
7/28/2020						0.0559	0.0903	0.307	
7/29/2020									0.731
4/5/2021	<0.02	<0.02	<0.02				0.111	0.319	

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.02	<0.02	0.0423			1.01
9/21/2021	<0.02	<0.02							
9/22/2021			<0.02	<0.02	<0.02				
9/28/2021						0.0326	0.126	0.318	
9/29/2021									1.03
4/20/2022									1.02
4/26/2022									
4/27/2022					<0.02		0.127	0.339	
5/2/2022	<0.02	<0.02		<0.02		0.0278			
5/3/2022			<0.02						
8/30/2022							0.143	0.331	1.09
8/31/2022	<0.02					0.026			
9/6/2022		<0.02	<0.02		<0.02				
9/7/2022				<0.02					

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.0396 (J)
3/30/2016			
5/17/2016			0.04 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0439 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.0371 (J)
11/14/2016			0.0398 (J)
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.032 (J)
5/22/2017			
5/24/2017			0.0331 (J)
6/19/2017			0.0342 (J)
6/20/2017			
6/21/2017			
1/9/2018			0.0382 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.0358 (J)
10/1/2018			0.0386
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.0898		
2/25/2019			
2/27/2019		0.364	
4/3/2019			0.0393
5/7/2019			
9/16/2019			
9/17/2019		0.432	
9/18/2019	0.129		0.0492
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0465
2/26/2020	0.193	0.465	
7/22/2020			0.0507
7/23/2020	0.153	0.405	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.251	0.522	0.05
9/21/2021			
9/22/2021			
9/28/2021			0.0506
9/29/2021	0.196	0.467	
4/20/2022	0.233		
4/26/2022		0.505	0.0464
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			0.0456
8/31/2022	0.242	0.493	
9/6/2022			
9/7/2022			

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.02	<0.02							
3/29/2016			0.118						
5/18/2016	<0.02	<0.02	0.12						
7/11/2016		<0.02							
7/13/2016	<0.02		0.135			<0.02			
7/14/2016							<0.02		
8/22/2016						<0.02	<0.02		
9/13/2016	<0.02					<0.02	<0.02		
9/14/2016		<0.02	0.115						
11/14/2016			0.114						
11/15/2016						<0.02	<0.02		
11/16/2016	<0.02	<0.02							
1/3/2017						<0.02	<0.02		
2/27/2017	<0.02								
2/28/2017			0.0991						
3/1/2017		<0.02				<0.02	<0.02		
5/22/2017	<0.02								
5/23/2017		<0.02				<0.02	<0.02		
5/24/2017			0.103						
6/19/2017		<0.02	0.104						
6/20/2017						<0.02	<0.02		
6/21/2017	<0.02								
1/9/2018			0.112				<0.02		
1/10/2018	<0.02	<0.02				<0.02			
4/17/2018						<0.02	<0.02		
4/19/2018	<0.02	<0.02	0.106						
10/1/2018			0.11						
10/2/2018	<0.02								
10/3/2018		<0.02							
10/4/2018						<0.02	<0.02		
12/5/2018								<0.02	<0.02
12/6/2018									
12/13/2018				<0.02					
2/26/2019									
2/27/2019					0.0372				
4/1/2019	<0.02	<0.02							
4/2/2019						<0.02	<0.02		
4/3/2019			0.115						
9/16/2019									
9/17/2019									<0.02
9/18/2019	<0.02	<0.02	0.131	0.0108 (J)	0.0399	<0.02	<0.02	<0.02	
2/18/2020	<0.02								
2/19/2020								<0.02	<0.02
2/25/2020			0.137	0.0117 (J)	0.0421				
2/26/2020						<0.02	<0.02		
7/21/2020								<0.02	<0.02
7/22/2020			0.125	<0.02	0.0423				
7/27/2020	<0.02								
7/28/2020						<0.02	<0.02		
7/29/2020									
4/5/2021	<0.02								
4/6/2021								<0.02	<0.02

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.02	<0.02		
4/12/2021			0.139	0.00768 (J)	0.0463				
9/21/2021								<0.02	<0.02
9/22/2021	<0.02								
9/27/2021						<0.02	<0.02		
9/28/2021			0.137	0.00723 (J)	0.0451				
4/19/2022	<0.02				0.0416				
4/20/2022			0.119	0.00728 (J)				<0.02	<0.02
4/27/2022									
5/2/2022									
5/3/2022						<0.02	<0.02		
8/29/2022					0.0427				
8/30/2022	<0.02		0.117	0.0077 (J)		<0.02	<0.02		
8/31/2022									
9/6/2022									
9/7/2022								<0.02	<0.02

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.02	
12/6/2018	<0.02		
12/13/2018			
2/26/2019			0.132
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.141
9/17/2019			
9/18/2019	<0.02	<0.02	
2/18/2020			
2/19/2020	<0.02		
2/25/2020		<0.02	0.14
2/26/2020			
7/21/2020		<0.02	
7/22/2020	<0.02		
7/27/2020			
7/28/2020			
7/29/2020			0.147
4/5/2021			0.148
4/6/2021		<0.02	

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.02		
4/12/2021			
9/21/2021		<0.02	
9/22/2021	<0.02		
9/27/2021			
9/28/2021			0.142
4/19/2022			
4/20/2022	<0.02		
4/27/2022			0.145
5/2/2022		<0.02	
5/3/2022			
8/29/2022	<0.02		
8/30/2022			
8/31/2022			0.146
9/6/2022		<0.02	
9/7/2022			

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.02							
5/17/2016		<0.02							
7/11/2016		<0.02							
9/14/2016		<0.02							
11/16/2016		<0.02							
3/1/2017		<0.02							
5/23/2017		<0.02							
6/19/2017		<0.02							
1/10/2018		<0.02							
4/19/2018		<0.02							
10/3/2018		<0.02							
2/26/2019	0.277								
4/2/2019		<0.02							
9/17/2019	0.289	<0.02							
9/26/2019	0.302								
10/22/2019			<0.02						
2/19/2020		<0.02	0.0107 (J)				0.038		
2/25/2020	0.307					0.164			
2/26/2020					0.0717				
4/29/2020				<0.02				<0.02	0.0284
7/20/2020					0.0659				0.0358
7/21/2020						0.127	0.0378	<0.02	
7/23/2020			<0.02						
7/27/2020		<0.02		<0.02					
7/29/2020	0.303								
3/30/2021					0.07	0.12	0.0396	<0.02	0.0297
4/5/2021	0.323	<0.02		<0.02					
4/6/2021			<0.02						
4/12/2021									
9/21/2021									
9/22/2021						0.0901			0.0246
9/27/2021		<0.02			0.0706				
9/28/2021	0.302								
9/29/2021			<0.02	<0.02			0.0365	<0.02	
4/19/2022									
4/26/2022	0.309				0.0637	0.0711			0.018 (J)
4/27/2022				<0.02			0.036	<0.02	
5/2/2022			<0.02						
5/3/2022		<0.02							
8/29/2022									
8/30/2022		<0.02							
8/31/2022	0.315		<0.02	<0.02					
9/6/2022					0.0659	0.0726			0.0163 (J)
9/7/2022							0.0355	<0.02	

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	0.0377		
7/20/2020	0.0522		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.0615		
4/5/2021			
4/6/2021			
4/12/2021		<0.02	<0.02
9/21/2021		<0.02	<0.02
9/22/2021			
9/27/2021	0.061		
9/28/2021			
9/29/2021			
4/19/2022		<0.02	<0.02
4/26/2022	0.0446		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.02	<0.02
8/30/2022			
8/31/2022			
9/6/2022	0.0431		
9/7/2022			

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.02	
3/30/2016	0.015 (J)				0.0307 (J)	<0.02	<0.02		
4/4/2016									<0.02
5/17/2016	<0.02								
5/19/2016						<0.02	<0.02		
5/23/2016					0.0374 (J)			<0.02	<0.02
7/11/2016	<0.02								
7/12/2016								<0.02	<0.02
7/13/2016						<0.02	<0.02		
7/14/2016					0.0499 (J)				
9/13/2016					0.0438 (J)	<0.02	<0.02	<0.02	<0.02
9/14/2016	<0.02								
11/15/2016					0.0494 (J)	<0.02	<0.02	<0.02	<0.02
11/16/2016	<0.02								
2/28/2017	<0.02							<0.02	<0.02
3/1/2017					0.0426 (J)	<0.02	<0.02		
5/23/2017					0.0416 (J)	<0.02	<0.02		
5/24/2017	<0.02							<0.02	<0.02
6/20/2017					0.0376 (J)	<0.02	<0.02	<0.02	<0.02
6/21/2017	<0.02								
1/9/2018					0.0461 (J)				
1/10/2018	<0.02					<0.02	<0.02	<0.02	<0.02
4/17/2018					0.0319 (J)	<0.02	<0.02	<0.02	<0.02
4/19/2018	<0.02								
10/1/2018					0.0482			<0.02	<0.02
10/3/2018	<0.02								
10/4/2018						<0.02	<0.02		
4/1/2019								<0.02	<0.02
4/2/2019	<0.02				0.0242	<0.02	<0.02		
9/17/2019	<0.02							<0.02	<0.02
9/18/2019					0.043	<0.02	<0.02		
2/17/2020									<0.02
2/18/2020	<0.02								
2/25/2020								<0.02	
2/26/2020					<0.02	<0.02	<0.02		
7/27/2020	<0.02								
7/28/2020					0.0361	<0.02	<0.02		
7/29/2020								<0.02	<0.02
4/5/2021	<0.02								<0.02
4/6/2021								<0.02	
4/7/2021					0.01 (J)	<0.02	<0.02		
4/12/2021		<0.02	<0.02						
4/13/2021				<0.02					
9/21/2021		<0.02	<0.02	<0.02				<0.02	<0.02
9/27/2021	<0.02				0.00862 (J)	<0.02	<0.02		
4/19/2022		<0.02	<0.02	<0.02					
5/2/2022	<0.02							<0.02	<0.02
5/3/2022					<0.02	0.0178 (J)	<0.02		
8/29/2022		<0.02	<0.02	<0.02					
8/30/2022	<0.02				<0.02	0.00779 (J)	<0.02		
8/31/2022								<0.02	<0.02

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.0005	<0.0005			
3/29/2016							<0.0005		<0.0005
3/30/2016	<0.0005	<0.0005	<0.0005	<0.0005					
5/17/2016	<0.0005				<0.0005		<0.0005		<0.0005
5/18/2016		<0.0005	<0.0005	<0.0005					
5/19/2016						<0.0005			
7/11/2016					<0.0005	<0.0005			
7/13/2016	<0.0005	<0.0005	<0.0005						
7/14/2016				<0.0005			<0.0005		<0.0005
7/18/2016									
8/22/2016						<0.0005			
9/12/2016			<0.0005	<0.0005					
9/13/2016	<0.0005	<0.0005			<0.0005		<0.0005		<0.0005
9/14/2016						<0.0005			
11/14/2016		<0.0005	<0.0005	<0.0005			<0.0005		
11/15/2016	<0.0005				<0.0005	<0.0005			
11/16/2016									<0.0005
1/3/2017						<0.0005			
2/27/2017					<0.0005	<0.0005			
2/28/2017	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005		<0.0005
5/22/2017	<0.0005	<0.0005				<0.0005			
5/24/2017			<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
6/19/2017	<0.0005	<0.0005					<0.0005		<0.0005
6/20/2017						<0.0005			
6/21/2017			<0.0005	<0.0005	<0.0005				
1/9/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
1/10/2018	<0.0005								
4/16/2018	<0.0005	<0.0005	<0.0005						
4/19/2018				<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
10/1/2018							<0.0005		<0.0005
10/2/2018	<0.0005								
10/4/2018		<0.0005	<0.0005						
10/5/2018				<0.0005	<0.0005	<0.0005			
12/17/2018									
2/25/2019								<0.0005	
2/27/2019									
4/3/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
5/7/2019						<0.0005			
9/16/2019	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005	
9/17/2019				<0.0005	<0.0005				<0.0005
9/18/2019						<0.0005			
2/17/2020	<0.0005	<0.0005							
2/18/2020			<0.0005						
2/19/2020				<0.0005	<0.0005				
2/25/2020						<0.0005	<0.0005	<0.0005	
2/26/2020									<0.0005
7/22/2020	<0.0005	<0.0005							
7/23/2020					<0.0005				
7/27/2020			<0.0005	<0.0005					
7/28/2020						<0.0005	<0.0005	<0.0005	
7/29/2020									<0.0005
4/5/2021	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.0005	<0.0005	<0.0005			<0.0005
9/21/2021	<0.0005	<0.0005							
9/22/2021			<0.0005	<0.0005	<0.0005				
9/28/2021						<0.0005	<0.0005	<0.0005	
9/29/2021									<0.0005
4/20/2022									<0.0005
4/26/2022									
4/27/2022					<0.0005		<0.0005	<0.0005	
5/2/2022	<0.0005	<0.0005		<0.0005		<0.0005			
5/3/2022			<0.0005						
8/30/2022							<0.0005	<0.0005	<0.0005
8/31/2022	<0.0005					<0.0005			
9/6/2022		<0.0005	<0.0005		<0.0005				
9/7/2022				<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:27 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.0005
3/30/2016			
5/17/2016			<0.0005
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.0005
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.0005
11/14/2016			<0.0005
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.0005
5/22/2017			
5/24/2017			<0.0005
6/19/2017			<0.0005
6/20/2017			
6/21/2017			
1/9/2018			<0.0005
1/10/2018			
4/16/2018			
4/19/2018			<0.0005
10/1/2018			<0.0005
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.0005		
2/25/2019			
2/27/2019		<0.0005	
4/3/2019			<0.0005
5/7/2019			
9/16/2019			
9/17/2019		<0.0005	
9/18/2019	<0.0005		<0.0005
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.0005
2/26/2020	<0.0005	<0.0005	
7/22/2020			<0.0005
7/23/2020	<0.0005	<0.0005	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.0005	<0.0005	<0.0005
9/21/2021			
9/22/2021			
9/28/2021			<0.0005
9/29/2021	<0.0005	<0.0005	
4/20/2022	<0.0005		
4/26/2022		<0.0005	<0.0005
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.0005
8/31/2022	<0.0005	<0.0005	
9/6/2022			
9/7/2022			

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.0005	<0.0005							
3/29/2016			<0.0005						
5/18/2016	<0.0005	<0.0005	<0.0005						
7/11/2016		<0.0005							
7/13/2016	<0.0005		<0.0005			<0.0005			
7/14/2016							<0.0005		
8/22/2016						<0.0005	<0.0005		
9/13/2016	<0.0005					<0.0005	<0.0005		
9/14/2016		<0.0005	<0.0005						
11/14/2016			<0.0005						
11/15/2016						<0.0005	<0.0005		
11/16/2016	<0.0005	<0.0005							
1/3/2017						<0.0005	<0.0005		
2/27/2017	<0.0005								
2/28/2017			<0.0005						
3/1/2017		<0.0005				<0.0005	<0.0005		
5/22/2017	<0.0005								
5/23/2017		<0.0005				<0.0005	<0.0005		
5/24/2017			<0.0005						
6/19/2017		<0.0005	<0.0005						
6/20/2017						<0.0005	<0.0005		
6/21/2017	<0.0005								
1/9/2018			<0.0005					<0.0005	
1/10/2018	<0.0005	<0.0005				<0.0005			
4/17/2018						<0.0005	<0.0005		
4/19/2018	<0.0005	<0.0005	<0.0005						
10/1/2018			<0.0005						
10/2/2018	<0.0005								
10/3/2018		<0.0005							
10/4/2018						<0.0005	<0.0005		
12/5/2018								<0.0005	<0.0005
12/6/2018									
12/13/2018				<0.0005					
2/26/2019									
2/27/2019					<0.0005				
4/1/2019	<0.0005	<0.0005							
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/16/2019									
9/17/2019									<0.0005
9/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/18/2020	<0.0005								
2/19/2020								<0.0005	<0.0005
2/25/2020			<0.0005	<0.0005	<0.0005				
2/26/2020						<0.0005	<0.0005		
7/21/2020								<0.0005	<0.0005
7/22/2020			<0.0005	<0.0005	<0.0005				
7/27/2020	<0.0005								
7/28/2020						<0.0005	<0.0005		
7/29/2020									
4/5/2021	<0.0005								
4/6/2021								<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.0005	<0.0005		
4/12/2021			<0.0005	<0.0005	<0.0005				
9/21/2021								<0.0005	<0.0005
9/22/2021	<0.0005								
9/27/2021						<0.0005	<0.0005		
9/28/2021			<0.0005	<0.0005	<0.0005				
4/19/2022	<0.0005				<0.0005				
4/20/2022			<0.0005	<0.0005				<0.0005	<0.0005
4/27/2022									
5/2/2022									
5/3/2022						<0.0005	<0.0005		
8/29/2022					<0.0005				
8/30/2022	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
8/31/2022									
9/6/2022									
9/7/2022								<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.0005	
12/6/2018	<0.0005		
12/13/2018			
2/26/2019			<0.0005
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.0005
9/17/2019			
9/18/2019	<0.0005	<0.0005	
2/18/2020			
2/19/2020	<0.0005		
2/25/2020		<0.0005	<0.0005
2/26/2020			
7/21/2020		<0.0005	
7/22/2020	<0.0005		
7/27/2020			
7/28/2020			
7/29/2020			<0.0005
4/5/2021			<0.0005
4/6/2021		<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.0005		
4/12/2021			
9/21/2021		<0.0005	
9/22/2021	<0.0005		
9/27/2021			
9/28/2021			<0.0005
4/19/2022			
4/20/2022	<0.0005		
4/27/2022			<0.0005
5/2/2022		<0.0005	
5/3/2022			
8/29/2022	<0.0005		
8/30/2022			
8/31/2022			<0.0005
9/6/2022		<0.0005	
9/7/2022			

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.0005							
5/17/2016		<0.0005							
7/11/2016		<0.0005							
9/14/2016		<0.0005							
11/16/2016		<0.0005							
3/1/2017		<0.0005							
5/23/2017		<0.0005							
6/19/2017		<0.0005							
1/10/2018		<0.0005							
4/19/2018		<0.0005							
10/3/2018		<0.0005							
2/26/2019	<0.0005								
4/2/2019		<0.0005							
9/17/2019	<0.0005	<0.0005							
9/26/2019	<0.0005								
10/22/2019			<0.0005						
2/19/2020		<0.0005	<0.0005				<0.0005		
2/25/2020	<0.0005					<0.0005			
2/26/2020					<0.0005				
4/29/2020				<0.0005				<0.0005	<0.0005
7/20/2020					<0.0005				<0.0005
7/21/2020						<0.0005	<0.0005	<0.0005	
7/23/2020			<0.0005						
7/27/2020		<0.0005		<0.0005					
7/29/2020	<0.0005								
3/30/2021					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/5/2021	<0.0005	<0.0005		<0.0005					
4/6/2021			<0.0005						
4/12/2021									
9/21/2021									
9/22/2021						<0.0005			<0.0005
9/27/2021		<0.0005			<0.0005				
9/28/2021	<0.0005								
9/29/2021			<0.0005	<0.0005			<0.0005	<0.0005	
4/19/2022									
4/26/2022	<0.0005				<0.0005	<0.0005			<0.0005
4/27/2022				<0.0005			<0.0005	<0.0005	
5/2/2022			<0.0005						
5/3/2022		<0.0005							
8/29/2022									
8/30/2022		<0.0005							
8/31/2022	<0.0005		<0.0005	<0.0005					
9/6/2022					<0.0005	<0.0005			<0.0005
9/7/2022							<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.0005		
7/20/2020	<0.0005		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.0005		
4/5/2021			
4/6/2021			
4/12/2021		<0.0005	<0.0005
9/21/2021		<0.0005	<0.0005
9/22/2021			
9/27/2021	<0.0005		
9/28/2021			
9/29/2021			
4/19/2022		<0.0005	<0.0005
4/26/2022	<0.0005		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.0005	<0.0005
8/30/2022			
8/31/2022			
9/6/2022	<0.0005		
9/7/2022			

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.0005	
3/30/2016	0.000278 (J)				<0.0005	<0.0005	<0.0005		
4/4/2016									<0.0005
5/17/2016	<0.0005								
5/19/2016					<0.0005	<0.0005			
5/23/2016					<0.0005			<0.0005	<0.0005
7/11/2016	<0.0005								
7/12/2016								<0.0005	<0.0005
7/13/2016						<0.0005	<0.0005		
7/14/2016					<0.0005				
9/13/2016					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/14/2016	<0.0005								
11/15/2016					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/16/2016	<0.0005								
2/28/2017	<0.0005							<0.0005	<0.0005
3/1/2017					<0.0005	<0.0005	<0.0005		
5/23/2017					<0.0005	<0.0005	<0.0005		
5/24/2017	<0.0005							<0.0005	<0.0005
6/20/2017					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6/21/2017	<0.0005								
1/9/2018					<0.0005				
1/10/2018	<0.0005					<0.0005	<0.0005	<0.0005	<0.0005
4/17/2018					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/19/2018	<0.0005								
10/1/2018					<0.0005			<0.0005	<0.0005
10/3/2018	<0.0005								
10/4/2018						<0.0005	<0.0005		
4/1/2019								<0.0005	<0.0005
4/2/2019	<0.0005				<0.0005	<0.0005	<0.0005		
9/17/2019	<0.0005							<0.0005	<0.0005
9/18/2019					<0.0005	<0.0005	<0.0005		
2/17/2020									<0.0005
2/18/2020	<0.0005								
2/25/2020								<0.0005	
2/26/2020					<0.0005	<0.0005	<0.0005		
7/27/2020	<0.0005								
7/28/2020					<0.0005	<0.0005	<0.0005		
7/29/2020								<0.0005	<0.0005
4/5/2021	<0.0005								<0.0005
4/6/2021								<0.0005	
4/7/2021					<0.0005	<0.0005	<0.0005		
4/12/2021		<0.0005	<0.0005						
4/13/2021				<0.0005					
9/21/2021		<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
9/27/2021	<0.0005				<0.0005	<0.0005	<0.0005		
4/19/2022		<0.0005	<0.0005	<0.0005					
5/2/2022	<0.0005							<0.0005	<0.0005
5/3/2022					<0.0005	<0.0005	<0.0005		
8/29/2022		<0.0005	<0.0005	<0.0005					
8/30/2022	<0.0005				<0.0005	<0.0005	<0.0005		
8/31/2022								<0.0005	<0.0005

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.000203	0.0126			
3/29/2016							0.288		2.19
3/30/2016	<0.000203	<0.000203	<0.000203	<0.000203					
5/17/2016	<0.000203				<0.000203		0.269		2.24
5/18/2016		<0.000203	<0.000203	<0.000203					
5/19/2016						0.0142			
7/11/2016					0.00361 (J)	0.0542			
7/13/2016	<0.000203	<0.000203	<0.000203						
7/14/2016				<0.000203			0.305		2.1
7/18/2016									
8/22/2016						0.0577			
9/12/2016			<0.000203	<0.000203					
9/13/2016	<0.000203	<0.000203			<0.000203		0.306		2.3
9/14/2016						0.0627			
11/14/2016		<0.000203	<0.000203	<0.000203			0.305		
11/15/2016	<0.000203				<0.000203	0.0712			
11/16/2016									1.92
1/3/2017						0.0788			
2/27/2017					<0.000203	0.121			
2/28/2017	<0.000203	<0.000203	<0.000203	<0.000203			0.368		2.6
5/22/2017	<0.000203	<0.000203				0.117			
5/24/2017			<0.000203	<0.000203	<0.000203		0.275		1.77
6/19/2017	<0.000203	<0.000203					0.26		1.9
6/20/2017						0.121			
6/21/2017			<0.000203	<0.000203	<0.000203				
1/9/2018		<0.000203	<0.000203	<0.000203	<0.000203	0.138	0.316		2.14
1/10/2018	<0.000203								
4/16/2018	<0.000203	<0.000203	<0.000203						
4/19/2018				<0.000203	<0.000203	0.141	0.275		1.87
10/1/2018							0.267		1.95
10/2/2018	<0.000203								
10/4/2018		<0.000203	<0.000203						
10/5/2018				<0.000203	<0.000203	0.214			
12/17/2018									
2/25/2019								0.667	
2/27/2019									
4/3/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	0.433	0.311		2.33
5/7/2019						0.292			
9/16/2019	<0.000203	<0.000203	<0.000203				0.32	0.625	
9/17/2019				<0.000203	<0.000203				2.33
9/18/2019						0.307			
2/17/2020	<0.000203	<0.000203							
2/18/2020			<0.000203						
2/19/2020				<0.000203	<0.000203				
2/25/2020						0.209	0.343	0.629	
2/26/2020									2.83
7/22/2020	<0.000203	<0.000203							
7/23/2020					<0.000203				
7/27/2020			<0.000203	<0.000203					
7/28/2020						0.167	0.328	0.628	
7/29/2020									2.79
4/5/2021	0.000248	0.00033	0.000366				0.514	0.614	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				0.000329	0.000298	0.156			3.56
9/21/2021	0.00018 (J)	0.00026							
9/22/2021			0.0003	0.00031	0.00052				
9/28/2021						0.137	0.538	0.653	
9/29/2021									3.23
4/20/2022									2.99
4/26/2022									
4/27/2022					0.00052		0.519	0.694	
5/2/2022	0.00021	0.00038		0.0003		0.144			
5/3/2022			0.00033						
8/30/2022							0.529	0.686	2.84
8/31/2022	0.000158 (J)					0.138			
9/6/2022		0.000269	0.000272		0.000701				
9/7/2022				0.000315					

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.017
3/30/2016			
5/17/2016			0.0167
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.0161
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.0183
11/14/2016			0.0171
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.0209
5/22/2017			
5/24/2017			0.0168
6/19/2017			0.0173
6/20/2017			
6/21/2017			
1/9/2018			0.0211
1/10/2018			
4/16/2018			
4/19/2018			0.0186
10/1/2018			0.0192
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	0.455		
2/25/2019			
2/27/2019		1.82	
4/3/2019			0.0214
5/7/2019			
9/16/2019			
9/17/2019		1.73	
9/18/2019	0.801		0.0243
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.0228
2/26/2020	1.02	1.89	
7/22/2020			0.0244
7/23/2020	0.968	1.99	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	1.26	2.22	0.0307
9/21/2021			
9/22/2021			
9/28/2021			0.0592
9/29/2021	1.11	2.12	
4/20/2022	1.17		
4/26/2022		2.06	0.0598
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			0.069
8/31/2022	1.13	2.12	
9/6/2022			
9/7/2022			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	0.0157	0.00274 (J)							
3/29/2016			0.637						
5/18/2016	0.0125	<0.000203	0.657						
7/11/2016		<0.000203							
7/13/2016	0.0138		0.774			0.0119			
7/14/2016							0.0633		
8/22/2016						0.00256 (J)	0.0436		
9/13/2016	0.0127					0.00628 (J)	0.069		
9/14/2016		<0.000203	0.725						
11/14/2016			0.63						
11/15/2016						0.0105	0.094		
11/16/2016	0.0118	0.00215 (J)							
1/3/2017						0.0131	0.0783		
2/27/2017	0.0145								
2/28/2017			0.767						
3/1/2017		<0.000203				0.00593 (J)	0.0627		
5/22/2017	0.0122								
5/23/2017		<0.000203				0.00491 (J)	0.0684		
5/24/2017			0.623						
6/19/2017		<0.000203	0.667						
6/20/2017						0.00392 (J)	0.0637		
6/21/2017	0.0123								
1/9/2018			0.803				0.0789		
1/10/2018	0.0127	<0.000203				0.0126			
4/17/2018						0.00623 (J)	0.0638		
4/19/2018	0.0111	<0.000203	0.689						
10/1/2018			0.775						
10/2/2018	0.0113								
10/3/2018		<0.000203							
10/4/2018						0.0159	0.0698		
12/5/2018								0.00995 (J)	0.0169
12/6/2018									
12/13/2018				0.118					
2/26/2019									
2/27/2019					0.287				
4/1/2019	0.0132	<0.000203							
4/2/2019						0.00611 (J)	0.0703		
4/3/2019			0.803						
9/16/2019									
9/17/2019									0.0142
9/18/2019	0.0128	<0.000203	0.837	0.264	0.271	0.0172	0.0895	0.0054 (J)	
2/18/2020	0.0129								
2/19/2020								0.0077 (J)	0.0274
2/25/2020			0.813	0.257	0.281				
2/26/2020						0.0139	0.0691		
7/21/2020								0.00231 (J)	0.0181
7/22/2020			0.784	0.147	0.288				
7/27/2020	0.0133								
7/28/2020						0.00969 (J)	0.0677		
7/29/2020									
4/5/2021	0.0137								
4/6/2021								0.00163	0.0175

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						0.00838	0.0456		
4/12/2021			0.811	0.146	0.311				
9/21/2021								0.00537	0.0146
9/22/2021	0.0136								
9/27/2021						0.00769	0.0388		
9/28/2021			0.845	0.147	0.324				
4/19/2022	0.0146				0.338				
4/20/2022			0.84	0.174				0.00098	0.0172
4/27/2022									
5/2/2022									
5/3/2022						0.0116	0.0342		
8/29/2022					0.34				
8/30/2022	0.0144		0.785	0.177		0.0101	0.0418		
8/31/2022									
9/6/2022									
9/7/2022								0.000634	0.0148

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		0.00824 (J)	
12/6/2018	<0.000203		
12/13/2018			
2/26/2019			0.465
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			0.469
9/17/2019			
9/18/2019	<0.000203	0.0187	
2/18/2020			
2/19/2020	<0.000203		
2/25/2020		0.00511 (J)	0.464
2/26/2020			
7/21/2020		0.0141	
7/22/2020	0.0027 (J)		
7/27/2020			
7/28/2020			
7/29/2020			0.483
4/5/2021			0.471
4/6/2021		0.00355	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	0.00202		
4/12/2021			
9/21/2021		0.00298	
9/22/2021	0.00244		
9/27/2021			
9/28/2021			0.491
4/19/2022			
4/20/2022	0.00235		
4/27/2022			0.487
5/2/2022		0.00501	
5/3/2022			
8/29/2022	0.00295		
8/30/2022			
8/31/2022			0.494
9/6/2022		0.00591	
9/7/2022			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.00652 (J)							
5/17/2016		0.00651 (J)							
7/11/2016		0.00691 (J)							
9/14/2016		0.0074 (J)							
11/16/2016		0.00663 (J)							
3/1/2017		0.00856 (J)							
5/23/2017		0.00689 (J)							
6/19/2017		0.00687 (J)							
1/10/2018		0.00806 (J)							
4/19/2018		0.00659 (J)							
10/3/2018		0.00669 (J)							
2/26/2019	1.08								
4/2/2019		0.00766 (J)							
9/17/2019	1.04	0.00644 (J)							
9/26/2019	0.936								
10/22/2019			0.00346 (J)						
2/19/2020		0.00575 (J)	0.00389 (J)				0.344		
2/25/2020	1.09					0.126			
2/26/2020					0.259				
4/29/2020				0.0456				0.0266	0.0994
7/20/2020					0.0857				0.0698
7/21/2020						0.0306	0.352	0.0268	
7/23/2020			0.00248 (J)						
7/27/2020		0.0058 (J)		0.0199					
7/29/2020	0.999								
3/30/2021					0.0352	0.0174	0.273	0.0205	0.0663
4/5/2021	1.01	0.00538		0.0133					
4/6/2021			0.00231						
4/12/2021									
9/21/2021									
9/22/2021						0.0124			0.0506
9/27/2021		0.00469			0.0407				
9/28/2021	1.01								
9/29/2021			0.00213	0.0129			0.209	0.0199	
4/19/2022									
4/26/2022	1.06				0.0332	0.0292			0.0459
4/27/2022				0.0199			0.286	0.0128	
5/2/2022			0.00195						
5/3/2022		0.00439							
8/29/2022									
8/30/2022		0.00435							
8/31/2022	1.08		0.00223	0.0382					
9/6/2022					0.026	0.00837			0.0437
9/7/2022							0.302	0.0116	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	0.208		
7/20/2020	0.213		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	0.227		
4/5/2021			
4/6/2021			
4/12/2021		0.000402	0.00167
9/21/2021		0.00017 (J)	0.00088
9/22/2021			
9/27/2021	0.221		
9/28/2021			
9/29/2021			
4/19/2022		0.0002 (J)	0.00074
4/26/2022	0.176		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		0.00013 (J)	0.000816
8/30/2022			
8/31/2022			
9/6/2022	0.156		
9/7/2022			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								0.0042 (J)	
3/30/2016	<0.000203			0.205		0.0186	<0.000203		
4/4/2016									0.00344 (J)
5/17/2016	<0.000203								
5/19/2016						0.0188	<0.000203		
5/23/2016				0.257				0.00283 (J)	0.00306 (J)
7/11/2016	<0.000203								
7/12/2016								<0.000203	<0.000203
7/13/2016						0.017	<0.000203		
7/14/2016				0.273					
9/13/2016				0.313		0.00943 (J)	<0.000203	<0.000203	<0.000203
9/14/2016	<0.000203								
11/15/2016				0.314		0.00741 (J)	<0.000203	<0.000203	<0.000203
11/16/2016	<0.000203								
2/28/2017	<0.000203							<0.000203	<0.000203
3/1/2017				0.344		0.0146	<0.000203		
5/23/2017				0.287		0.00996 (J)	<0.000203		
5/24/2017	<0.000203							<0.000203	0.00364 (J)
6/20/2017				0.265		0.0148	<0.000203	<0.000203	0.00282 (J)
6/21/2017	<0.000203								
1/9/2018				0.352					
1/10/2018	<0.000203					0.0122	<0.000203	<0.000203	<0.000203
4/17/2018				0.135		0.0146	<0.000203	<0.000203	<0.000203
4/19/2018	<0.000203								
10/1/2018				0.294				<0.000203	<0.000203
10/3/2018	<0.000203								
10/4/2018						0.0101	<0.000203		
4/1/2019								<0.000203	<0.000203
4/2/2019	<0.000203			0.164		0.0166	<0.000203		
9/17/2019	<0.000203							<0.000203	<0.000203
9/18/2019				0.261		0.0138	<0.000203		
2/17/2020									<0.000203
2/18/2020	<0.000203								
2/25/2020								<0.000203	
2/26/2020				0.0546		0.0157	<0.000203		
7/27/2020	<0.000203								
7/28/2020				0.215		0.0185	<0.000203		
7/29/2020								<0.000203	<0.000203
4/5/2021	0.000137 (J)								0.000821
4/6/2021								0.000895	
4/7/2021				0.0562		0.0119	0.00021		
4/12/2021		0.000473	<0.000203						
4/13/2021					0.000176 (J)				
9/21/2021		0.00019 (J)	<0.000203		0.00015 (J)			0.00072	0.00102
9/27/2021	0.00026				0.0541	0.0118	0.00026		
4/19/2022		0.00012 (J)	<0.000203		0.00013 (J)				
5/2/2022	0.0003							0.00107	0.0012
5/3/2022					0.0389	0.00912	0.00024		
8/29/2022		<0.000203	<0.000203		0.000169 (J)				
8/30/2022	0.000242				0.0384	0.00761	0.000281		
8/31/2022								0.000733	0.00128

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					7.34	7.43			
3/29/2016							8.15		9.66
3/30/2016	7.45	7.63	7.39	7.27					
5/17/2016	7.68				7.22		8.18		9.56
5/18/2016		7.64	7.34	7.37					
5/19/2016						7.43			
7/11/2016					7.32	7.58			
7/13/2016	7.71	7.84	7.52						
7/14/2016				7.51			8.23		9.63
7/18/2016									
8/22/2016						7.56			
9/12/2016			7.39	7.39					
9/13/2016	7.53	7.69			7.35		8.25		9.57
9/14/2016						7.52			
11/14/2016		7.7	7.42	7.37			8.31		
11/15/2016	7.53				7.32	7.57			
11/16/2016									9.59
1/3/2017						7.62			
2/27/2017					7.38	7.52			
2/28/2017	7.58	7.79	7.46	7.32			8.31		9.56
5/22/2017	7.51	7.72				7.52			
5/24/2017			7.39	7.44	7.41		8.22		9.71
6/19/2017	7.53	7.73					8.18		9.67
6/20/2017						7.46			
6/21/2017			7.36	7.39	7.26				
8/14/2017	7.52	7.67	7.36	7.39		7.57	8.32		9.62
8/15/2017					7.33				
1/9/2018		7.82	7.45	7.5	7.5	7.64	8.21		9.77
1/10/2018	7.64								
4/16/2018	7.54	7.71	7.36						
4/19/2018				7.38	7.48	7.51	8.28		9.59
10/1/2018							8.14		9.48
10/2/2018	7.54								
10/4/2018		7.71	7.37						
10/5/2018				7.25	7.05	7.33			
12/17/2018									
2/25/2019								8.67	
2/27/2019									
4/3/2019	7.6	7.75	7.37	7.41	7.43	7.7	8.3		9.56
5/7/2019						7.57			
9/16/2019	7.6	7.71	7.44				7.94	8.32	
9/17/2019				7.45	7.3				9.18
9/18/2019						7.5			
10/8/2019	7.59	7.74							
2/17/2020	7.61	7.74							
2/18/2020			7.42						
2/19/2020				7.42	7.52				
2/25/2020						7.64	8.38	8.61	
2/26/2020									9.61
7/22/2020	7.64	7.76							
7/23/2020					7.44				
7/27/2020			7.47	7.48					

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
7/28/2020						7.5	8.02	8.09	
7/29/2020									9.38
4/5/2021	6.93	7.63	6.88				7.76	8.54	
4/6/2021				7.5	7.51	7.64			9.59
9/21/2021	7.02	7.64							
9/22/2021			7.48	7.59	7.5				
9/28/2021						7.63	8.2	8.59	
9/29/2021									9.33
4/20/2022									9.25
4/26/2022									
4/27/2022					7.07		8.17	8.45	
5/2/2022	7.12	7.16		7.46		7.49			
5/3/2022			7.39						
8/30/2022							7.84	8.94	9.18
8/31/2022	7.25					7.6			
9/6/2022		7.67	7.39		7.35				
9/7/2022				7.52					

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			6.95
3/30/2016			
5/17/2016			6.87
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			6.85
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			6.9
11/14/2016			6.89
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			6.83
5/22/2017			
5/24/2017			6.87
6/19/2017			6.89
6/20/2017			
6/21/2017			
8/14/2017			6.89
8/15/2017			
1/9/2018			6.95
1/10/2018			
4/16/2018			
4/19/2018			6.89
10/1/2018			6.89
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	7.16		
2/25/2019			
2/27/2019		8.78	
4/3/2019			6.9
5/7/2019			
9/16/2019			
9/17/2019		8.66	
9/18/2019	7.13		6.86
10/8/2019			
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			6.89
2/26/2020	7.55	8.84	
7/22/2020			6.54
7/23/2020	7.54	8.49	
7/27/2020			

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
7/28/2020			
7/29/2020			
4/5/2021			
4/6/2021	7.56	8.6	6.67
9/21/2021			
9/22/2021			
9/28/2021			6.48
9/29/2021	7.61	8.3	
4/20/2022	7.63		
4/26/2022		8.39	6.77
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			6.65
8/31/2022	7.66	8.27	
9/6/2022			
9/7/2022			

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	7.24	7.79							
3/29/2016			7.96						
5/18/2016	7.5	7.73	7.88						
7/11/2016		7.99							
7/13/2016	7.63		7.92			7.83			
7/14/2016							7.74		
8/22/2016						7.86	7.55		
9/13/2016	7.53					7.75	7.63		
9/14/2016		7.75	7.85						
11/14/2016			7.84						
11/15/2016						7.66	7.74		
11/16/2016	7.55	7.64							
1/3/2017						7.57	7.69		
2/27/2017	7.53								
2/28/2017			7.81						
3/1/2017		7.65				7.53	7.47		
5/22/2017	7.5								
5/23/2017		7.67				7.78	7.5		
5/24/2017			7.65						
6/19/2017		7.65	7.79						
6/20/2017						7.82	7.37		
6/21/2017	7.51								
8/14/2017	7.43		7.82						
8/15/2017		7.69				7.73	7.26		
1/9/2018			7.87						7.49
1/10/2018	7.5	7.8				7.67			
4/17/2018						7.66	7.33		
4/19/2018	7.5	7.54	7.85						
10/1/2018			7.82						
10/2/2018	7.57								
10/3/2018		7.68							
10/4/2018						7.51	7.47		
12/5/2018								8.29	7.18
12/6/2018									
12/13/2018				7.23					
1/2/2019				6.85				8.04	7.2
1/3/2019									
2/26/2019									
2/27/2019					8.45				
4/1/2019	7.58	7.76							
4/2/2019						7.67	7.33		
4/3/2019			7.45						
5/7/2019				7.11					
9/16/2019									
9/17/2019									6.88
9/18/2019	7.6	7.69	7.9	7.14	8.32	7.15	7.21	7.72	
2/18/2020	7.64								
2/19/2020								7.92	7.36
2/25/2020			7.9	7.16	8.31				
2/26/2020						7.43	7.33		
7/21/2020								7.63	7.28
7/22/2020			7.84	7.18	8.25				

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
7/27/2020	7.56								
7/28/2020						7.58	7.43		
7/29/2020									
4/5/2021	7.66								
4/6/2021								7.89	7.23
4/7/2021						7.24	6.7		
4/12/2021		7.96	7.02	8.14					
9/21/2021								8.08	7.27
9/22/2021	7.86								
9/27/2021						7.64	7.23		
9/28/2021		7.76	6.87	8.03					
4/19/2022	7.63			8.11					
4/20/2022		7.83	7.1					7.86	6.43
4/27/2022									
5/2/2022									
5/3/2022						7.48	7.21		
8/29/2022				8.08					
8/30/2022	7.1	7.73	6.7			7.45	7.17		
8/31/2022									
9/6/2022									
9/7/2022								7.93	7.26

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		6.82	
12/6/2018	7.23		
12/13/2018			
1/2/2019			
1/3/2019	7.57	6.76	
2/26/2019			8.31
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
5/7/2019			
9/16/2019			8.22
9/17/2019			
9/18/2019	7.49	6.68	
2/18/2020			
2/19/2020	7.54		
2/25/2020		6.7	8.32
2/26/2020			
7/21/2020		6.9	
7/22/2020	7.42		

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
7/27/2020			
7/28/2020			
7/29/2020			8.3
4/5/2021			7.91
4/6/2021		6.26	
4/7/2021	7.57		
4/12/2021			
9/21/2021		6.58	
9/22/2021	7.76		
9/27/2021			
9/28/2021			8.38
4/19/2022			
4/20/2022	6.87		
4/27/2022			7.83
5/2/2022		6.74	
5/3/2022			
8/29/2022	7.27		
8/30/2022			
8/31/2022			8.17
9/6/2022		6.99	
9/7/2022			

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		7.82							
5/17/2016		7.79							
7/11/2016		7.96							
9/14/2016		7.79							
11/16/2016		7.72							
3/1/2017		7.68							
5/23/2017		7.69							
6/19/2017		7.67							
8/15/2017		7.73							
1/10/2018		7.84							
4/19/2018		7.69							
10/3/2018		7.7							
2/26/2019	8.61								
4/2/2019		7.8							
9/17/2019		7.8							
9/26/2019	8.47								
2/19/2020		7.8	7.22				8.09		
2/25/2020	8.48					7.72			
2/26/2020					8.01				
4/29/2020				7.68				7.71	8.05
7/20/2020					7.42				8.07
7/21/2020						7.51	7.98	7.69	
7/23/2020			7.07						
7/27/2020		7.69		7.97					
7/29/2020	8.38								
3/30/2021					7.86	7.82	7.88	7.91	8.11
4/5/2021	8.16	7.67		8.19					
4/6/2021			7.15						
4/12/2021									
9/21/2021									
9/22/2021						7.78			7.93
9/27/2021		7.81			8.14				
9/28/2021	8.58								
9/29/2021			7.73	8.47			8.44	7.83	
4/19/2022									
4/26/2022	8.29				7.84	7.42			8.03
4/27/2022				7.71			7.86	8	
5/2/2022			7.14						
5/3/2022		7.72							
8/29/2022									
8/30/2022		9.22 (o)							
8/31/2022	8.32		7.17	7.76					
9/6/2022					7.83	7.65			7.96
9/7/2022							7.45	7.96	

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	7.94		
7/20/2020	7.8		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	8.04		
4/5/2021			
4/6/2021			
4/12/2021		7.99	7.09
9/21/2021		7.85	7.3
9/22/2021			
9/27/2021	7.88		
9/28/2021			
9/29/2021			
4/19/2022		7.91	6.85
4/26/2022	7.9		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		8.09	7.09
8/30/2022			
8/31/2022			
9/6/2022	7.96		
9/7/2022			

Time Series

Constituent: pH (pH) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								7.2	
3/30/2016	7.31				7.61	7.95	7.45		
4/4/2016									7.32
5/17/2016	7.35								
5/19/2016						7.88	7.5		
5/23/2016					7.68			7.39	7.66
7/11/2016	7.43								
7/12/2016								7.43	7.77
7/13/2016						8.07	7.58		
7/14/2016					7.79				
9/13/2016					7.69	8.04	7.53	7.38	7.7
9/14/2016	7.26								
11/15/2016					7.72	7.93	7.48	7.35	7.69
11/16/2016	7.19								
2/28/2017	7.23							7.3	7.66
3/1/2017					7.55	7.89	7.46		
5/23/2017					7.64	7.96	7.51		
5/24/2017	7.26							7.33	7.64
6/20/2017					7.5	7.87	7.52	7.33	7.62
6/21/2017	7.26								
8/15/2017	7.29				7.46	7.86	7.43	7.31	
8/16/2017									7.51
1/9/2018					7.71				
1/10/2018	7.17					7.98	7.57	7.36	7.72
4/17/2018					7.29	7.82	7.5	7.28	7.57
4/19/2018	7.27								
10/1/2018					7.68			7.33	7.59
10/3/2018	7.09								
10/4/2018						7.87	7.49		
4/1/2019								7.4	7.64
4/2/2019	7.34				7.47	7.73	7.24		
9/17/2019	7.65							7.55	8.07
9/18/2019					7.53	7.85	7.52		
2/17/2020									7.75
2/18/2020	7.34								
2/25/2020								7.39	
2/26/2020					7.47	7.8	7.51		
7/27/2020	7.3								
7/28/2020					7.7	7.62	7.32		
7/29/2020								7.39	7.66
4/5/2021	7.33								7.8
4/6/2021								7.23	
4/7/2021					7.47	7.02	7.51		
4/12/2021		7.77	7.18						
4/13/2021				6.14					
9/21/2021		7.12	7.3	6.07				7.3	7.72
9/27/2021	7.37				7.55	7.92	7.74		
4/19/2022		7.68	6.8	6.31					
5/2/2022	6.68							7.44	7.7
5/3/2022					7.01	7.63	7.53		
8/29/2022		7.73	7.57	5.87					
8/30/2022	6.85				7.47	7.6	7.57		

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.001015	<0.001015			
3/29/2016							<0.001015		<0.001015
3/30/2016	<0.001015	<0.001015	<0.001015	<0.001015					
5/17/2016	<0.001015				<0.001015		<0.001015		<0.001015
5/18/2016		<0.001015	<0.001015	<0.001015					
5/19/2016						<0.001015			
7/11/2016					<0.001015	<0.001015			
7/13/2016	<0.001015	<0.001015	<0.001015						
7/14/2016				<0.001015			<0.001015		<0.001015
7/18/2016									
8/22/2016						<0.001015			
9/12/2016			<0.001015	<0.001015					
9/13/2016	<0.001015	<0.001015			<0.001015		<0.001015		<0.001015
9/14/2016						<0.001015			
11/14/2016		<0.001015	<0.001015	<0.001015			<0.001015		
11/15/2016	<0.001015				<0.001015	<0.001015			
11/16/2016									<0.001015
1/3/2017						<0.001015			
2/27/2017					<0.001015	<0.001015			
2/28/2017	<0.001015	<0.001015	<0.001015	<0.001015			<0.001015		<0.001015
5/22/2017	<0.001015	<0.001015				<0.001015			
5/24/2017			<0.001015	<0.001015	<0.001015		<0.001015		<0.001015
6/19/2017	<0.001015	<0.001015					<0.001015		<0.001015
6/20/2017						<0.001015			
6/21/2017			<0.001015	<0.001015	<0.001015				
1/9/2018		<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
1/10/2018	<0.001015								
4/16/2018	<0.001015	<0.001015	<0.001015						
4/19/2018				<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
10/1/2018							<0.001015		<0.001015
10/2/2018	<0.001015								
10/4/2018		<0.001015	<0.001015						
10/5/2018				<0.001015	<0.001015	<0.001015			
12/17/2018									
2/25/2019								<0.001015	
2/27/2019									
4/3/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015		<0.001015
5/7/2019						<0.001015			
9/16/2019	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	
9/17/2019				<0.001015	<0.001015				<0.001015
9/18/2019						<0.001015			
2/17/2020	<0.001015	<0.001015							
2/18/2020			<0.001015						
2/19/2020				<0.001015	<0.001015				
2/25/2020						<0.001015	<0.001015	<0.001015	
2/26/2020									<0.001015
7/22/2020	<0.001015	<0.001015							
7/23/2020					<0.001015				
7/27/2020			<0.001015	<0.001015					
7/28/2020						<0.001015	<0.001015	<0.001015	
7/29/2020									<0.001015
4/5/2021	<0.001015	<0.001015	<0.001015				<0.001015	<0.001015	

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.001015	<0.001015	<0.001015			<0.001015
9/21/2021	<0.001015	<0.001015							
9/22/2021			<0.001015	<0.001015	<0.001015				
9/28/2021						<0.001015	<0.001015	<0.001015	
9/29/2021									<0.001015
4/20/2022									<0.001015
4/26/2022									
4/27/2022					<0.001015		<0.001015	<0.001015	
5/2/2022	0.00055 (J)	<0.001015		<0.001015		<0.001015			
5/3/2022			<0.001015						
8/30/2022							<0.001015	<0.001015	<0.001015
8/31/2022	0.000532 (J)					<0.001015			
9/6/2022		<0.001015	<0.001015		<0.001015				
9/7/2022				<0.001015					

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			<0.001015
3/30/2016			
5/17/2016			<0.001015
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			<0.001015
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			<0.001015
11/14/2016			<0.001015
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			<0.001015
5/22/2017			
5/24/2017			<0.001015
6/19/2017			<0.001015
6/20/2017			
6/21/2017			
1/9/2018			<0.001015
1/10/2018			
4/16/2018			
4/19/2018			<0.001015
10/1/2018			<0.001015
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.001015		
2/25/2019			
2/27/2019		<0.001015	
4/3/2019			<0.001015
5/7/2019			
9/16/2019			
9/17/2019		<0.001015	
9/18/2019	<0.001015		<0.001015
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			<0.001015
2/26/2020	<0.001015	<0.001015	
7/22/2020			<0.001015
7/23/2020	<0.001015	<0.001015	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	<0.001015	<0.001015	<0.001015
9/21/2021			
9/22/2021			
9/28/2021			<0.001015
9/29/2021	<0.001015	<0.001015	
4/20/2022	<0.001015		
4/26/2022		<0.001015	<0.001015
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			<0.001015
8/31/2022	<0.001015	<0.001015	
9/6/2022			
9/7/2022			

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.001015	<0.001015							
3/29/2016			<0.001015						
5/18/2016	<0.001015	<0.001015	<0.001015						
7/11/2016		<0.001015							
7/13/2016	<0.001015		<0.001015			<0.001015			
7/14/2016							<0.001015		
8/22/2016						<0.001015	<0.001015		
9/13/2016	<0.001015					<0.001015	<0.001015		
9/14/2016		<0.001015	<0.001015						
11/14/2016			<0.001015						
11/15/2016						<0.001015	<0.001015		
11/16/2016	<0.001015	<0.001015							
1/3/2017						<0.001015	<0.001015		
2/27/2017	<0.001015								
2/28/2017			<0.001015						
3/1/2017		<0.001015				<0.001015	<0.001015		
5/22/2017	<0.001015								
5/23/2017		<0.001015				<0.001015	<0.001015		
5/24/2017			<0.001015						
6/19/2017		<0.001015	<0.001015						
6/20/2017						<0.001015	<0.001015		
6/21/2017	<0.001015								
1/9/2018			<0.001015					<0.001015	
1/10/2018	<0.001015	<0.001015				<0.001015			
4/17/2018						<0.001015	<0.001015		
4/19/2018	<0.001015	<0.001015	<0.001015						
10/1/2018			<0.001015						
10/2/2018	<0.001015								
10/3/2018		<0.001015							
10/4/2018						<0.001015	<0.001015		
12/5/2018								<0.001015	<0.001015
12/6/2018									
12/13/2018				<0.001015					
2/26/2019									
2/27/2019					<0.001015				
4/1/2019	<0.001015	<0.001015							
4/2/2019						<0.001015	<0.001015		
4/3/2019			<0.001015						
9/16/2019									
9/17/2019									<0.001015
9/18/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	
2/18/2020	<0.001015								
2/19/2020								<0.001015	<0.001015
2/25/2020			<0.001015	<0.001015	<0.001015				
2/26/2020						<0.001015	<0.001015		
7/21/2020								<0.001015	<0.001015
7/22/2020			<0.001015	<0.001015	<0.001015				
7/27/2020	<0.001015								
7/28/2020						<0.001015	<0.001015		
7/29/2020									
4/5/2021	<0.001015								
4/6/2021								<0.001015	<0.001015

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.001015	<0.001015		
4/12/2021			<0.001015	<0.001015	<0.001015				
9/21/2021								<0.001015	0.00068 (J)
9/22/2021	<0.001015								
9/27/2021						<0.001015	<0.001015		
9/28/2021			<0.001015	<0.001015	<0.001015				
4/19/2022	<0.001015				<0.001015				
4/20/2022			<0.001015	<0.001015				<0.001015	<0.001015
4/27/2022									
5/2/2022									
5/3/2022						<0.001015	<0.001015		
8/29/2022					<0.001015				
8/30/2022	<0.001015		<0.001015	<0.001015		<0.001015	<0.001015		
8/31/2022									
9/6/2022									
9/7/2022								<0.001015	<0.001015

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.001015	
12/6/2018	<0.001015		
12/13/2018			
2/26/2019			<0.001015
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.001015
9/17/2019			
9/18/2019	<0.001015	<0.001015	
2/18/2020			
2/19/2020	<0.001015		
2/25/2020		<0.001015	<0.001015
2/26/2020			
7/21/2020		<0.001015	
7/22/2020	<0.001015		
7/27/2020			
7/28/2020			
7/29/2020			<0.001015
4/5/2021			<0.001015
4/6/2021		<0.001015	

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.001015		
4/12/2021			
9/21/2021		<0.001015	
9/22/2021	<0.001015		
9/27/2021			
9/28/2021			<0.001015
4/19/2022			
4/20/2022	<0.001015		
4/27/2022			<0.001015
5/2/2022		<0.001015	
5/3/2022			
8/29/2022	<0.001015		
8/30/2022			
8/31/2022			<0.001015
9/6/2022		<0.001015	
9/7/2022			

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		<0.001015							
5/17/2016		<0.001015							
7/11/2016		<0.001015							
9/14/2016		<0.001015							
11/16/2016		<0.001015							
3/1/2017		<0.001015							
5/23/2017		<0.001015							
6/19/2017		<0.001015							
1/10/2018		<0.001015							
4/19/2018		<0.001015							
10/3/2018		<0.001015							
2/26/2019	<0.001015								
4/2/2019		<0.001015							
9/17/2019	<0.001015	<0.001015							
9/26/2019	<0.001015								
10/22/2019			<0.001015						
2/19/2020		<0.001015	<0.001015				<0.001015		
2/25/2020	<0.001015					<0.001015			
2/26/2020					<0.001015				
4/29/2020				<0.001015				<0.001015	<0.001015
7/20/2020					<0.001015				<0.001015
7/21/2020						<0.001015	<0.001015	<0.001015	
7/23/2020			<0.001015						
7/27/2020		<0.001015		<0.001015					
7/29/2020	<0.001015								
3/30/2021					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/5/2021	<0.001015	<0.001015		<0.001015					
4/6/2021			<0.001015						
4/12/2021									
9/21/2021									
9/22/2021						<0.001015			<0.001015
9/27/2021		<0.001015			<0.001015				
9/28/2021	<0.001015								
9/29/2021			<0.001015	<0.001015			<0.001015	<0.001015	
4/19/2022									
4/26/2022	<0.001015				<0.001015	<0.001015			<0.001015
4/27/2022				<0.001015			<0.001015	<0.001015	
5/2/2022			<0.001015						
5/3/2022		<0.001015							
8/29/2022									
8/30/2022		<0.001015							
8/31/2022	<0.001015		<0.001015	<0.001015					
9/6/2022					<0.001015	<0.001015			<0.001015
9/7/2022							<0.001015	<0.001015	

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.001015		
7/20/2020	<0.001015		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.001015		
4/5/2021			
4/6/2021			
4/12/2021		<0.001015	<0.001015
9/21/2021		<0.001015	<0.001015
9/22/2021			
9/27/2021	<0.001015		
9/28/2021			
9/29/2021			
4/19/2022		<0.001015	<0.001015
4/26/2022	<0.001015		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.001015	<0.001015
8/30/2022			
8/31/2022			
9/6/2022	<0.001015		
9/7/2022			

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								<0.001015	
3/30/2016	<0.001015				<0.001015	<0.001015	<0.001015		
4/4/2016									<0.001015
5/17/2016	<0.001015								
5/19/2016						<0.001015	<0.001015		
5/23/2016					<0.001015			<0.001015	<0.001015
7/11/2016	<0.001015								
7/12/2016								<0.001015	<0.001015
7/13/2016						<0.001015	<0.001015		
7/14/2016					<0.001015				
9/13/2016					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
9/14/2016	<0.001015								
11/15/2016					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
11/16/2016	<0.001015								
2/28/2017	<0.001015							<0.001015	<0.001015
3/1/2017					<0.001015	<0.001015	<0.001015		
5/23/2017					<0.001015	<0.001015	<0.001015		
5/24/2017	<0.001015							<0.001015	<0.001015
6/20/2017					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
6/21/2017	<0.001015								
1/9/2018					<0.001015				
1/10/2018	<0.001015					<0.001015	<0.001015	<0.001015	<0.001015
4/17/2018					<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
4/19/2018	<0.001015								
10/1/2018					<0.001015			<0.001015	<0.001015
10/3/2018	<0.001015								
10/4/2018						<0.001015	<0.001015		
4/1/2019								<0.001015	<0.001015
4/2/2019	<0.001015				<0.001015	<0.001015	<0.001015		
9/17/2019	<0.001015							<0.001015	<0.001015
9/18/2019					<0.001015	<0.001015	<0.001015		
2/17/2020									<0.001015
2/18/2020	<0.001015								
2/25/2020								<0.001015	
2/26/2020					<0.001015	<0.001015	<0.001015		
7/27/2020	<0.001015								
7/28/2020					<0.001015	<0.001015	<0.001015		
7/29/2020								<0.001015	<0.001015
4/5/2021	<0.001015								<0.001015
4/6/2021								<0.001015	
4/7/2021					<0.001015	<0.001015	<0.001015		
4/12/2021		<0.001015	<0.001015						
4/13/2021				<0.001015					
9/21/2021		<0.001015	<0.001015	<0.001015				<0.001015	<0.001015
9/27/2021	<0.001015				<0.001015	<0.001015	<0.001015		
4/19/2022		<0.001015	<0.001015	<0.001015					
5/2/2022	<0.001015							<0.001015	<0.001015
5/3/2022					<0.001015	<0.001015	<0.001015		
8/29/2022		<0.001015	<0.001015	<0.001015					
8/30/2022	<0.001015				<0.001015	<0.001015	<0.001015		
8/31/2022								<0.001015	<0.001015

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					66.6	147			
3/29/2016							146		254
3/30/2016	9.91	32.2	85	<2					
5/17/2016	7.27				63.9		140		251
5/18/2016		30.8	83.8	0.492 (J)					
5/19/2016						224			
7/11/2016					57.6	133			
7/13/2016	4.11	32.4	86.2						
7/14/2016				0.38 (J)			135		246
7/18/2016									
8/22/2016						134			
9/12/2016			91.8	<2					
9/13/2016	2.86	30.9			82.8		129		238
9/14/2016						130			
11/14/2016		32.1	91.2	<2			131		
11/15/2016	2.16				118	132			
11/16/2016									234
1/3/2017						143			
2/27/2017					62 (J)	130			
2/28/2017	3.7 (J)	32	86	<2			130		240
5/22/2017	2.6 (J)	32				120			
5/24/2017			92	<2	56		130		230
6/19/2017	2.8 (J)	33					110		200
6/20/2017						120			
6/21/2017			88	<2	75				
8/14/2017	3.4 (J)	34	100	<2		140	140		250
8/15/2017					67				
4/16/2018	3.4 (J)	33	91						
4/19/2018				<2	53	150	130		250
10/1/2018							80		280
10/2/2018	2.6 (J)								
10/4/2018		37	76						
10/5/2018				<2	160	260			
12/17/2018									
2/25/2019								142	
2/27/2019									
4/3/2019	3.85	44.2	102	0.925 (J)	75.2	339	161		346
5/7/2019						351			
9/16/2019	3.39	49.2	108				147	137	
9/17/2019				<2	131				322
9/18/2019						283			
2/17/2020	3.56	45.2							
2/18/2020			110						
2/19/2020				0.571 (J)	110				
2/25/2020						326	161	146	
2/26/2020									351
7/22/2020	3.65	45.3							
7/23/2020					97.9				
7/27/2020			108	<2					
7/28/2020						239	143	137	
7/29/2020									309
4/5/2021	11.4	50.1	96.8				172	150	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<2	77.5	230			421
9/21/2021	5.56	55.4							
9/22/2021			131	0.521 (J)	116				
9/28/2021						245	188	177	
9/29/2021									425
4/20/2022									444
4/26/2022									
4/27/2022					118		191	173	
5/2/2022	4.75	58.3		<2		224			
5/3/2022			97						
8/30/2022							190	157	415
8/31/2022	3.78					225			
9/6/2022		61.900002	104		148				
9/7/2022				0.641 (J)					

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			163
3/30/2016			
5/17/2016			159
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			154
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			143
11/14/2016			151
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			140
5/22/2017			
5/24/2017			150
6/19/2017			140
6/20/2017			
6/21/2017			
8/14/2017			150
8/15/2017			
4/16/2018			
4/19/2018			140
10/1/2018			140
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	220		
2/25/2019			
2/27/2019		265	
4/3/2019			168
5/7/2019			
9/16/2019			
9/17/2019		243	
9/18/2019	260		173
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			210
2/26/2020	302	288	
7/22/2020			180
7/23/2020	276	254	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	297	288	181
9/21/2021			
9/22/2021			
9/28/2021			205
9/29/2021	304	283	
4/20/2022	323		
4/26/2022		287	216
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			203
8/31/2022	307	268	
9/6/2022			
9/7/2022			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	16.8	2.09							
3/29/2016			556						
5/18/2016	14.9	1.92	559						
7/11/2016		3.41							
7/13/2016	24.2		560			159			
7/14/2016							172		
8/22/2016						107	170		
9/13/2016	16.8					155	171		
9/14/2016		4.94	553						
11/14/2016			551						
11/15/2016						172	173		
11/16/2016	21.7	10.5							
1/3/2017						163	183		
2/27/2017	23								
2/28/2017			560						
3/1/2017		5.1				140	170		
5/22/2017	26								
5/23/2017		2.3 (J)				140	180		
5/24/2017			530						
6/19/2017		2.1 (J)	510						
6/20/2017						130	160		
6/21/2017	20								
8/14/2017	22		540						
8/15/2017		1.7 (J)				150	170		
4/17/2018						150	160		
4/19/2018	24	<2	520						
10/1/2018			590						
10/2/2018	24								
10/3/2018		1.7 (J)							
10/4/2018						180	150		
12/5/2018								110	76
12/6/2018									
1/2/2019				180					
2/26/2019									
2/27/2019					491				
4/1/2019	24.4	1.87							
4/2/2019						189	212		
4/3/2019			577						
9/16/2019									
9/17/2019									67.1
9/18/2019	23.6	2.39	526	379	481	197	180	102	
2/18/2020	25.6								
2/19/2020								119	69.4
2/25/2020			674	470	599				
2/26/2020						199	196		
7/21/2020								51.1	59.8
7/22/2020			568	432	507				
7/27/2020	23.7								
7/28/2020						177	175		
7/29/2020									
4/5/2021	23.1								
4/6/2021								33.5	46.3

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						145	124		
4/12/2021			547	421	499				
9/21/2021								80.7	39.6
9/22/2021	25.9								
9/27/2021						162	122		
9/28/2021			583	423	528				
4/19/2022	27.6				498 (D)				
4/20/2022			575	416				42.6	40.1
4/27/2022									
5/2/2022									
5/3/2022						131	74.2		
8/29/2022					495				
8/30/2022	27.5		538	400		129	77.900002		
8/31/2022									
9/6/2022									
9/7/2022								44.599998	30

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		66	
12/6/2018	150		
1/2/2019			
2/26/2019			131
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			126
9/17/2019			
9/18/2019	142	120	
2/18/2020			
2/19/2020	143		
2/25/2020		26.5	134
2/26/2020			
7/21/2020		69.6	
7/22/2020	131		
7/27/2020			
7/28/2020			
7/29/2020			134
4/5/2021			133
4/6/2021		18.3	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	124		
4/12/2021			
9/21/2021		12.1	
9/22/2021	118		
9/27/2021			
9/28/2021			133
4/19/2022			
4/20/2022	93.7		
4/27/2022			139
5/2/2022		14.9	
5/3/2022			
8/29/2022	88.400002		
8/30/2022			
8/31/2022			128
9/6/2022		12	
9/7/2022			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		7.57							
5/17/2016		5.12							
7/11/2016		4.63							
9/14/2016		3.19							
11/16/2016		3.71							
3/1/2017		3.4 (J)							
5/23/2017		2 (J)							
6/19/2017		2.5 (J)							
8/15/2017		2.4 (J)							
4/19/2018		1.9 (J)							
10/3/2018		2.7 (J)							
2/26/2019	164								
4/2/2019		3.24							
9/17/2019	161	4.51							
9/26/2019	179								
10/22/2019			23.4						
2/19/2020		3.73	43.2				492		
2/25/2020	177					55.5			
2/26/2020					119				
4/29/2020				93.9				39	214
7/20/2020					169				259
7/21/2020						24.4	496	43.4	
7/23/2020			35.3						
7/27/2020		4.11		49.6					
7/29/2020	163								
3/30/2021					144	17.4	452	39.4	199
4/5/2021	168	3.2		21.7					
4/6/2021			37.8						
4/12/2021									
9/21/2021									
9/22/2021						36			192
9/27/2021		2.76			150				
9/28/2021	172								
9/29/2021			28.7	13.7			496	38.5	
4/19/2022									
4/26/2022	180				130	36.8			165
4/27/2022				24.1			484	37.3	
5/2/2022			25.1						
5/3/2022		2.16							
8/29/2022									
8/30/2022		2.73							
8/31/2022	170		25.9	35.299999					
9/6/2022					132	25.9			155
9/7/2022							471	38.599998	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	99.9		
7/20/2020	94.9		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	97.3		
4/5/2021			
4/6/2021			
4/12/2021		12.6	14.6
9/21/2021		5.49	14.5
9/22/2021			
9/27/2021	104		
9/28/2021			
9/29/2021			
4/19/2022		2.72	11.4
4/26/2022	91.3		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		3.16	12.4
8/30/2022			
8/31/2022			
9/6/2022	84.699997		
9/7/2022			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								29.9	
3/30/2016	24.9				146	204	215		
4/4/2016									13.5
5/17/2016	25.1								
5/19/2016						206	204		
5/23/2016					160			26.5	1.78
7/11/2016	33.2								
7/12/2016								24.3	0.915 (J)
7/13/2016						176	155		
7/14/2016					173				
9/13/2016					173	151	89.8	17.8	<2
9/14/2016	35.5								
11/15/2016					177	161	176	10.1	0.96 (J)
11/16/2016	38.5								
2/28/2017	32							5.8	5.5
3/1/2017					160	160	200		
5/23/2017					160	160	200		
5/24/2017	30							11	18
6/20/2017					150	160	180	7.9	13
6/21/2017	25								
8/15/2017	24				170	160	210	5	
8/16/2017									14
4/17/2018					130	160	170	2.9 (J)	14
4/19/2018	25								
10/1/2018					140			<2	11
10/3/2018	37								
10/4/2018						150	200		
4/1/2019								1.8	14.3
4/2/2019	22.4				122	198	186		
9/17/2019	39.8							4.62	13.9
9/18/2019					167	177	199		
2/17/2020									14.7
2/18/2020	21.4								
2/25/2020								3.89	
2/26/2020					39.8	178	207		
7/27/2020	21.7								
7/28/2020					152	189	160		
7/29/2020								3.25	14.7
4/5/2021	15.6								15.1
4/6/2021								3.29	
4/7/2021					38.7	151	164		
4/12/2021		7.23	2.99						
4/13/2021				4.92					
9/21/2021		1.31	1.44	3.27				1.95	18.4
9/27/2021	14.3					33.5	156	143	
4/19/2022		0.934 (J)	1.37 (J)	2.25					
5/2/2022	11.1							3.02	17.9
5/3/2022					34	115	107		
8/29/2022		<2	2.24	2.99					
8/30/2022	12.1				33.299999	123	212		
8/31/2022								1.14 (J)	18.700001

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/5/2021	184	217	372				333	289	
4/6/2021				193	342	590			772
9/21/2021	174	217							
9/22/2021			375	210	394				
9/28/2021						566	354	297	
9/29/2021									842
4/20/2022									967
4/26/2022									
4/27/2022					417		369	318	
5/2/2022	173	234		201		574			
5/3/2022			371						
8/30/2022							425	343	1420
8/31/2022	174					582			
9/6/2022		226	376		462				
9/7/2022				192					

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			560
3/30/2016			
5/17/2016			540
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			546
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			542
11/14/2016			514
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			536
5/22/2017			
5/24/2017			536
6/19/2017			598
6/20/2017			
6/21/2017			
8/14/2017			550
8/15/2017			
4/16/2018			
4/19/2018			540
10/1/2018			514
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	448 (D)		
2/25/2019			
2/27/2019		459	
4/3/2019			560
5/7/2019			
9/16/2019			
9/17/2019		458	
9/18/2019	499		592
10/8/2019			
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			578
2/26/2020	495	467	
7/22/2020			594
7/23/2020	513	457	
7/27/2020			
7/28/2020			
7/29/2020			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/5/2021			
4/6/2021	572	525	596
9/21/2021			
9/22/2021			
9/28/2021			608
9/29/2021	568	509	
4/20/2022	636		
4/26/2022		578	596
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			614
8/31/2022	682	588	
9/6/2022			
9/7/2022			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
8/14/2017			
8/15/2017			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		317 (D)	
12/6/2018	444		
1/2/2019			
2/26/2019			277
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			276
9/17/2019			
9/18/2019	433	412	
2/18/2020			
2/19/2020	423		
2/25/2020		173	276
2/26/2020			
7/21/2020		288	
7/22/2020	406		
7/27/2020			
7/28/2020			
7/29/2020			278
4/5/2021			287
4/6/2021		143	

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	406		
4/12/2021			
9/21/2021		114	
9/22/2021	379		
9/27/2021			
9/28/2021			269
4/19/2022			
4/20/2022	354		
4/27/2022			282
5/2/2022		146	
5/3/2022			
8/29/2022	349		
8/30/2022			
8/31/2022			298
9/6/2022		150	
9/7/2022			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		147							
5/17/2016		140							
7/11/2016		146							
9/14/2016		141							
11/16/2016		157							
3/1/2017		148							
5/23/2017		141							
6/19/2017		126							
8/15/2017		146							
4/19/2018		143							
10/3/2018		148							
2/26/2019	326								
4/2/2019		140							
9/17/2019	331	145							
9/26/2019	327								
10/22/2019			396						
2/19/2020		149	463				802		
2/25/2020	330					353			
2/26/2020					315				
4/29/2020				373				227	742
7/20/2020					521				896
7/21/2020						333	816	249	
7/23/2020			440						
7/27/2020		154		361					
7/29/2020	328								
3/30/2021					483	329	810	252	767
4/5/2021	345	136		319					
4/6/2021			426						
4/12/2021									
9/21/2021									
9/22/2021						354			673
9/27/2021		132			447				
9/28/2021	340								
9/29/2021			415	309			844	275	
4/19/2022									
4/26/2022	359				433	303			596
4/27/2022				272			788	255	
5/2/2022			412						
5/3/2022		141							
8/29/2022									
8/30/2022		151							
8/31/2022	371		411	284					
9/6/2022					398	313			584
9/7/2022							802	256	

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
8/15/2017			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	273		
7/20/2020	252		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	262		
4/5/2021			
4/6/2021			
4/12/2021		129	146
9/21/2021		115	139
9/22/2021			
9/27/2021	249		
9/28/2021			
9/29/2021			
4/19/2022		122	144
4/26/2022	250		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		98	136
8/30/2022			
8/31/2022			
9/6/2022	249		
9/7/2022			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-4	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-42 (bg)	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8	GN-AP-MW-9
3/29/2016								290	
3/30/2016	339				398	430	472		
4/4/2016									182
5/17/2016	269								
5/19/2016						422	458		
5/23/2016					411			312	184
7/11/2016	305								
7/12/2016								292	176
7/13/2016						391	412		
7/14/2016					424				
9/13/2016					426	378	312	276	170
9/14/2016	326								
11/15/2016					412	354	426	262	180
11/16/2016	338								
2/28/2017	303							290	203
3/1/2017					452	389	487		
5/23/2017					448	375	487		
5/24/2017	312							296	199
6/20/2017					437	416	421	273	178
6/21/2017	241								
8/15/2017	281				440	394	490	279	
8/16/2017									205
4/17/2018					454	437	464	250	193
4/19/2018	282								
10/1/2018					449			246	198
10/3/2018	354								
10/4/2018						418	504		
4/1/2019								268	205
4/2/2019	270				390	447	428		
9/17/2019	332							257	207
9/18/2019					434	445	489		
2/17/2020									211
2/18/2020	274								
2/25/2020								252	
2/26/2020					228	455	490		
7/27/2020	284								
7/28/2020					406	485	434		
7/29/2020								253	215
4/5/2021	248								211
4/6/2021								256	
4/7/2021					256	436	436		
4/12/2021		118	126						
4/13/2021				77.3					
9/21/2021		111	148	83.3				256	205
9/27/2021	237				240	415	379		
4/19/2022		107	138	67.3					
5/2/2022	248							237	209
5/3/2022					239	376	329		
8/29/2022		94.699997	133	76					
8/30/2022	240				237	400	319		
8/31/2022								246	210

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
3/28/2016					<0.000203	<0.000203			
3/29/2016							<0.000203		<0.000203
3/30/2016	<0.000203	<0.000203	<0.000203	<0.000203					
5/17/2016	<0.000203				<0.000203		<0.000203		<0.000203
5/18/2016		<0.000203	<0.000203	<0.000203					
5/19/2016						<0.000203			
7/11/2016					<0.000203	<0.000203			
7/13/2016	<0.000203	<0.000203	<0.000203						
7/14/2016				<0.000203			<0.000203		<0.000203
7/18/2016									
8/22/2016						<0.000203			
9/12/2016			<0.000203	<0.000203					
9/13/2016	<0.000203	<0.000203			<0.000203		<0.000203		<0.000203
9/14/2016						<0.000203			
11/14/2016		<0.000203	<0.000203	<0.000203			<0.000203		
11/15/2016	<0.000203				<0.000203	<0.000203			
11/16/2016									<0.000203
1/3/2017						<0.000203			
2/27/2017					<0.000203	<0.000203			
2/28/2017	<0.000203	<0.000203	<0.000203	<0.000203			<0.000203		<0.000203
5/22/2017	<0.000203	<0.000203				<0.000203			
5/24/2017			<0.000203	<0.000203	<0.000203		<0.000203		<0.000203
6/19/2017	<0.000203	<0.000203					<0.000203		<0.000203
6/20/2017						<0.000203			
6/21/2017			<0.000203	<0.000203	<0.000203				
1/9/2018		<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
1/10/2018	<0.000203								
4/16/2018	<0.000203	<0.000203	<0.000203						
4/19/2018				<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
10/1/2018							<0.000203		<0.000203
10/2/2018	<0.000203								
10/4/2018		<0.000203	<0.000203						
10/5/2018				<0.000203	<0.000203	<0.000203			
12/17/2018									
2/25/2019								0.000537 (J)	
2/27/2019									
4/3/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203		<0.000203
5/7/2019						<0.000203			
9/16/2019	<0.000203	<0.000203	<0.000203				<0.000203	0.000604 (J)	
9/17/2019				<0.000203	<0.000203				<0.000203
9/18/2019						<0.000203			
2/17/2020	<0.000203	<0.000203							
2/18/2020			<0.000203						
2/19/2020				<0.000203	<0.000203				
2/25/2020						<0.000203	<0.000203	0.000552 (J)	
2/26/2020									<0.000203
7/22/2020	<0.000203	<0.000203							
7/23/2020					<0.000203				
7/27/2020			<0.000203	<0.000203					
7/28/2020						<0.000203	<0.000203	0.000514 (J)	
7/29/2020									<0.000203
4/5/2021	<0.000203	<0.000203	<0.000203				<0.000203	0.000465	

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-16V	GN-AP-MW-17
4/6/2021				<0.000203	<0.000203	<0.000203			<0.000203
9/21/2021	<0.000203	<0.000203							
9/22/2021			<0.000203	<0.000203	<0.000203				
9/28/2021						<0.000203	<0.000203	0.00047	
9/29/2021									<0.000203
4/20/2022									8E-05 (J)
4/26/2022									
4/27/2022					<0.000203		<0.000203	0.0006	
5/2/2022	<0.000203	<0.000203		<0.000203		<0.000203			
5/3/2022			<0.000203						
8/30/2022							<0.000203	0.000625	9.1E-05 (J)
8/31/2022	<0.000203					<0.000203			
9/6/2022		<0.000203	<0.000203		<0.000203				
9/7/2022				<0.000203					

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
3/28/2016			
3/29/2016			0.000428 (J)
3/30/2016			
5/17/2016			0.000343 (J)
5/18/2016			
5/19/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/18/2016			0.000359 (J)
8/22/2016			
9/12/2016			
9/13/2016			
9/14/2016			0.000345 (J)
11/14/2016			0.000367 (J)
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			0.000359 (J)
5/22/2017			
5/24/2017			0.000376 (J)
6/19/2017			0.000379 (J)
6/20/2017			
6/21/2017			
1/9/2018			0.000312 (J)
1/10/2018			
4/16/2018			
4/19/2018			0.000418 (J)
10/1/2018			0.000371 (J)
10/2/2018			
10/4/2018			
10/5/2018			
12/17/2018	<0.000203		
2/25/2019			
2/27/2019		<0.000203	
4/3/2019			0.00034 (J)
5/7/2019			
9/16/2019			
9/17/2019		<0.000203	
9/18/2019	<0.000203		0.000479 (J)
2/17/2020			
2/18/2020			
2/19/2020			
2/25/2020			0.000426 (J)
2/26/2020	0.000225 (J)	<0.000203	
7/22/2020			0.000456 (J)
7/23/2020	0.000254 (J)	<0.000203	
7/27/2020			
7/28/2020			
7/29/2020			
4/5/2021			

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17SV	GN-AP-MW-17V	GN-AP-MW-18
4/6/2021	0.000181 (J)	<0.000203	0.000389
9/21/2021			
9/22/2021			
9/28/2021			0.00036
9/29/2021	0.00021	<0.000203	
4/20/2022	0.00027		
4/26/2022		<0.000203	0.00044
4/27/2022			
5/2/2022			
5/3/2022			
8/30/2022			0.000487
8/31/2022	0.000135 (J)	<0.000203	
9/6/2022			
9/7/2022			

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
3/28/2016	<0.000203	<0.000203							
3/29/2016			<0.000203						
5/18/2016	<0.000203	<0.000203	<0.000203						
7/11/2016		<0.000203							
7/13/2016	<0.000203		<0.000203			<0.000203			
7/14/2016							<0.000203		
8/22/2016						<0.000203	<0.000203		
9/13/2016	<0.000203					<0.000203	<0.000203		
9/14/2016		<0.000203	<0.000203						
11/14/2016			<0.000203						
11/15/2016						<0.000203	<0.000203		
11/16/2016	<0.000203	<0.000203							
1/3/2017						<0.000203	<0.000203		
2/27/2017	<0.000203								
2/28/2017			<0.000203						
3/1/2017		0.000265 (J)				<0.000203	<0.000203		
5/22/2017	<0.000203								
5/23/2017		0.000239 (J)				<0.000203	<0.000203		
5/24/2017			<0.000203						
6/19/2017		0.000202 (J)	<0.000203						
6/20/2017						<0.000203	<0.000203		
6/21/2017	<0.000203								
1/9/2018			<0.000203					<0.000203	
1/10/2018	<0.000203	<0.000203				<0.000203			
4/17/2018						<0.000203	<0.000203		
4/19/2018	<0.000203	<0.000203	<0.000203						
10/1/2018			<0.000203						
10/2/2018	<0.000203								
10/3/2018		<0.000203							
10/4/2018						<0.000203	<0.000203		
12/5/2018								<0.000203	<0.000203
12/6/2018									
12/13/2018				<0.000203					
2/26/2019									
2/27/2019					<0.000203				
4/1/2019	<0.000203	<0.000203							
4/2/2019						<0.000203	<0.000203		
4/3/2019			<0.000203						
9/16/2019									
9/17/2019									<0.000203
9/18/2019	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	<0.000203	
2/18/2020	<0.000203								
2/19/2020								<0.000203	<0.000203
2/25/2020			<0.000203	<0.000203	<0.000203				
2/26/2020						<0.000203	<0.000203		
7/21/2020								<0.000203	<0.000203
7/22/2020			<0.000203	<0.000203	<0.000203				
7/27/2020	<0.000203								
7/28/2020						<0.000203	<0.000203		
7/29/2020									
4/5/2021	<0.000203								
4/6/2021								<0.000203	<0.000203

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-2 (bg)	GN-AP-MW-20	GN-AP-MW-20SV	GN-AP-MW-20V	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-23D	GN-AP-MW-23S
4/7/2021						<0.000203	<0.000203		
4/12/2021			<0.000203	<0.000203	<0.000203				
9/21/2021								<0.000203	<0.000203
9/22/2021	<0.000203								
9/27/2021						<0.000203	<0.000203		
9/28/2021			<0.000203	<0.000203	<0.000203				
4/19/2022	<0.000203				<0.000203				
4/20/2022			<0.000203	<0.000203				<0.000203	<0.000203
4/27/2022									
5/2/2022									
5/3/2022						<0.000203	<0.000203		
8/29/2022					<0.000203				
8/30/2022	<0.000203		<0.000203	<0.000203		<0.000203	<0.000203		
8/31/2022									
9/6/2022									
9/7/2022								<0.000203	<0.000203

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
3/28/2016			
3/29/2016			
5/18/2016			
7/11/2016			
7/13/2016			
7/14/2016			
8/22/2016			
9/13/2016			
9/14/2016			
11/14/2016			
11/15/2016			
11/16/2016			
1/3/2017			
2/27/2017			
2/28/2017			
3/1/2017			
5/22/2017			
5/23/2017			
5/24/2017			
6/19/2017			
6/20/2017			
6/21/2017			
1/9/2018			
1/10/2018			
4/17/2018			
4/19/2018			
10/1/2018			
10/2/2018			
10/3/2018			
10/4/2018			
12/5/2018		<0.000203	
12/6/2018	<0.000203		
12/13/2018			
2/26/2019			<0.000203
2/27/2019			
4/1/2019			
4/2/2019			
4/3/2019			
9/16/2019			<0.000203
9/17/2019			
9/18/2019	<0.000203	<0.000203	
2/18/2020			
2/19/2020	<0.000203		
2/25/2020		<0.000203	<0.000203
2/26/2020			
7/21/2020		<0.000203	
7/22/2020	<0.000203		
7/27/2020			
7/28/2020			
7/29/2020			<0.000203
4/5/2021			0.000149 (J)
4/6/2021		<0.000203	

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-26	GN-AP-MW-27	GN-AP-MW-28H
4/7/2021	<0.000203		
4/12/2021			
9/21/2021		<0.000203	
9/22/2021	<0.000203		
9/27/2021			
9/28/2021			0.00012 (J)
4/19/2022			
4/20/2022	<0.000203		
4/27/2022			0.00021
5/2/2022		<0.000203	
5/3/2022			
8/29/2022	<0.000203		
8/30/2022			
8/31/2022			0.000102 (J)
9/6/2022		<0.000203	
9/7/2022			

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-29H	GN-AP-MW-3 (bg)	GN-AP-MW-30H	GN-AP-MW-31VR	GN-AP-MW-32V	GN-AP-MW-33V	GN-AP-MW-34V	GN-AP-MW-35V	GN-AP-MW-36V
3/28/2016		0.000648 (J)							
5/17/2016		<0.000203							
7/11/2016		<0.000203							
9/14/2016		<0.000203							
11/16/2016		<0.000203							
3/1/2017		<0.000203							
5/23/2017		<0.000203							
6/19/2017		<0.000203							
1/10/2018		<0.000203							
4/19/2018		<0.000203							
10/3/2018		<0.000203							
2/26/2019	<0.000203								
4/2/2019		<0.000203							
9/17/2019	<0.000203	<0.000203							
9/26/2019	<0.000203								
10/22/2019			<0.000203						
2/19/2020		<0.000203	<0.000203				<0.000203		
2/25/2020	<0.000203					<0.000203			
2/26/2020					<0.000203				
4/29/2020				<0.000203				<0.000203	<0.000203
7/20/2020					<0.000203				<0.000203
7/21/2020						<0.000203	<0.000203	<0.000203	
7/23/2020			<0.000203						
7/27/2020		<0.000203		<0.000203					
7/29/2020	<0.000203								
3/30/2021					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
4/5/2021	<0.000203	0.000203 (J)		<0.000203					
4/6/2021			<0.000203						
4/12/2021									
9/21/2021									
9/22/2021						<0.000203			<0.000203
9/27/2021		8E-05 (J)			<0.000203				
9/28/2021	<0.000203								
9/29/2021			<0.000203	<0.000203			<0.000203	<0.000203	
4/19/2022									
4/26/2022	<0.000203				<0.000203	<0.000203			<0.000203
4/27/2022				<0.000203			<0.000203	<0.000203	
5/2/2022			<0.000203						
5/3/2022		0.00036							
8/29/2022									
8/30/2022		0.000709							
8/31/2022	<0.000203		<0.000203	<0.000203					
9/6/2022					<0.000203	<0.000203			<0.000203
9/7/2022							<0.000203	<0.000203	

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/31/2022 2:28 PM View: Constituents View
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-37V	GN-AP-MW-38 (bg)	GN-AP-MW-39 (bg)
3/28/2016			
5/17/2016			
7/11/2016			
9/14/2016			
11/16/2016			
3/1/2017			
5/23/2017			
6/19/2017			
1/10/2018			
4/19/2018			
10/3/2018			
2/26/2019			
4/2/2019			
9/17/2019			
9/26/2019			
10/22/2019			
2/19/2020			
2/25/2020			
2/26/2020			
4/29/2020	<0.000203		
7/20/2020	<0.000203		
7/21/2020			
7/23/2020			
7/27/2020			
7/29/2020			
3/30/2021	<0.000203		
4/5/2021			
4/6/2021			
4/12/2021		<0.000203	<0.000203
9/21/2021		<0.000203	<0.000203
9/22/2021			
9/27/2021	<0.000203		
9/28/2021			
9/29/2021			
4/19/2022		<0.000203	<0.000203
4/26/2022	<0.000203		
4/27/2022			
5/2/2022			
5/3/2022			
8/29/2022		<0.000203	<0.000203
8/30/2022			
8/31/2022			
9/6/2022	<0.000203		
9/7/2022			

Time Series

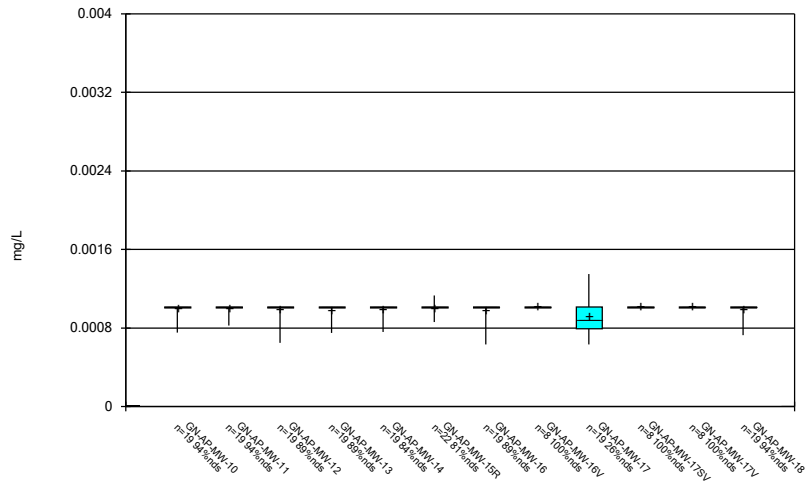
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

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4/4/2016									<0.000203
5/17/2016	<0.000203								
5/19/2016						<0.000203	<0.000203		
5/23/2016					<0.000203			<0.000203	<0.000203
7/11/2016	<0.000203								
7/12/2016								<0.000203	<0.000203
7/13/2016						<0.000203	<0.000203		
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9/14/2016	<0.000203								
11/15/2016					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
11/16/2016	<0.000203								
2/28/2017	<0.000203							<0.000203	<0.000203
3/1/2017					<0.000203	<0.000203	<0.000203		
5/23/2017					<0.000203	<0.000203	<0.000203		
5/24/2017	<0.000203							<0.000203	<0.000203
6/20/2017					<0.000203	<0.000203	<0.000203	<0.000203	<0.000203
6/21/2017	<0.000203								
1/9/2018					<0.000203				
1/10/2018	<0.000203					<0.000203	<0.000203	<0.000203	<0.000203
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4/19/2018	<0.000203								
10/1/2018					<0.000203			<0.000203	<0.000203
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4/1/2019								<0.000203	<0.000203
4/2/2019	<0.000203				<0.000203	<0.000203	<0.000203		
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7/29/2020								<0.000203	<0.000203
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4/12/2021		<0.000203	<0.000203						
4/13/2021				0.00015 (J)					
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4/19/2022		<0.000203	<0.000203	9E-05 (J)					
5/2/2022	<0.000203							<0.000203	<0.000203
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8/29/2022		<0.000203	<0.000203	<0.000203					
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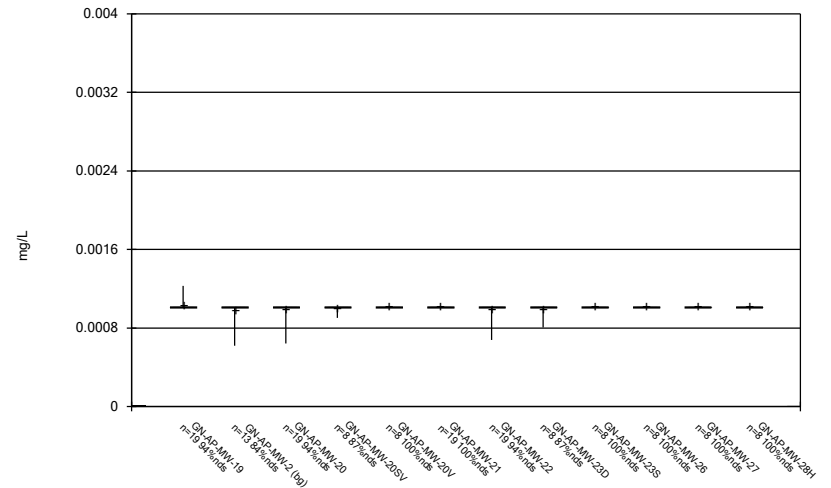
FIGURE B.

Box & Whiskers Plot



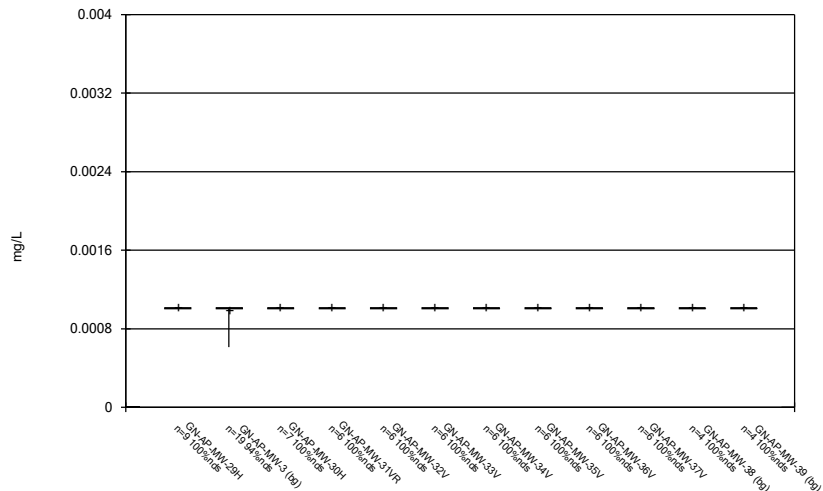
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



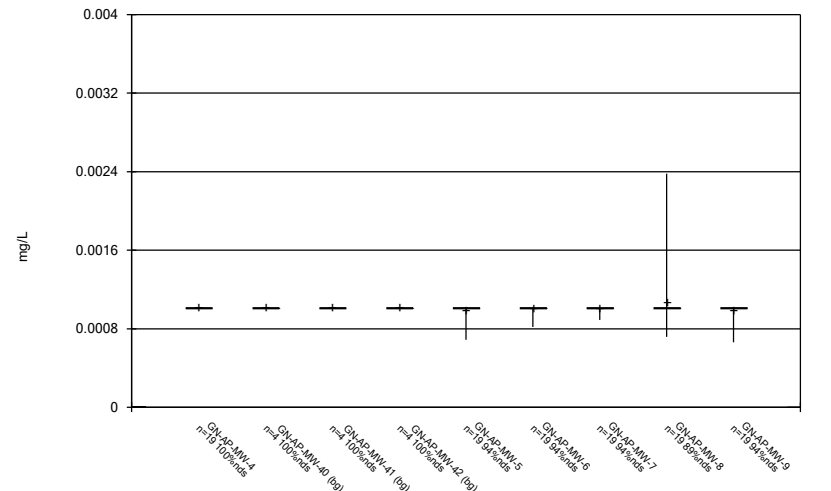
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



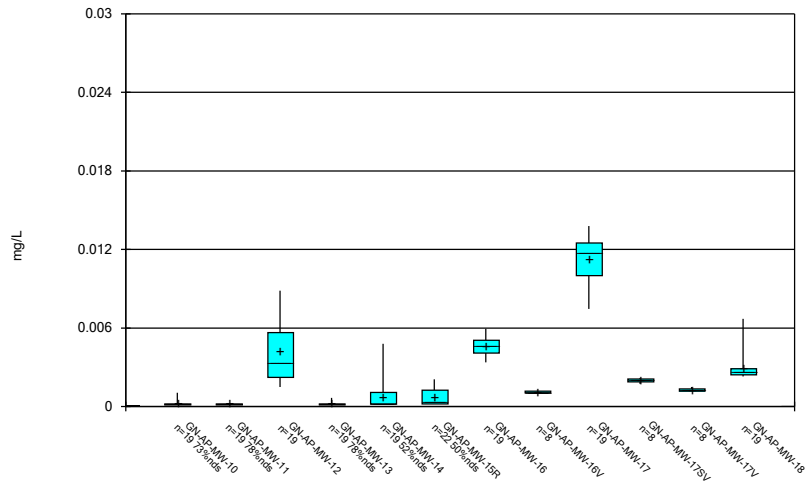
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



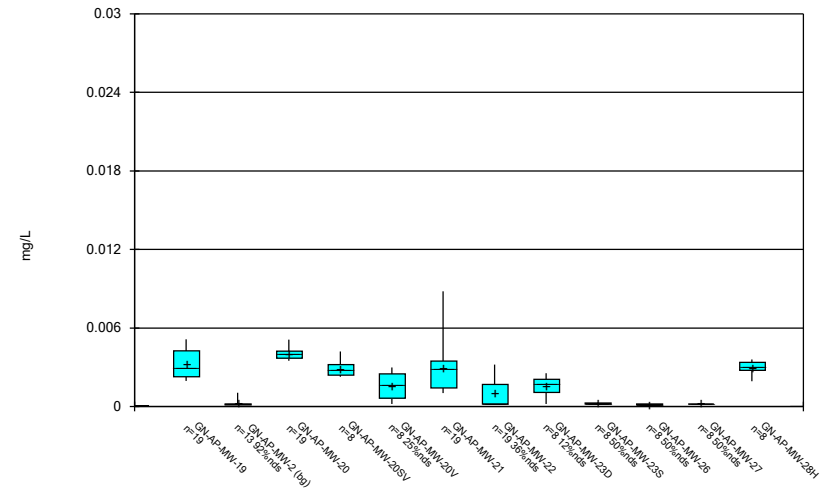
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



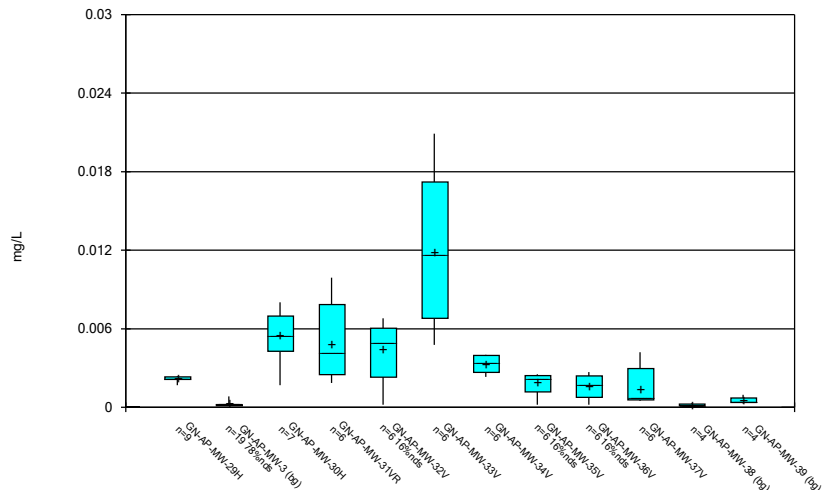
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Box & Whiskers Plot



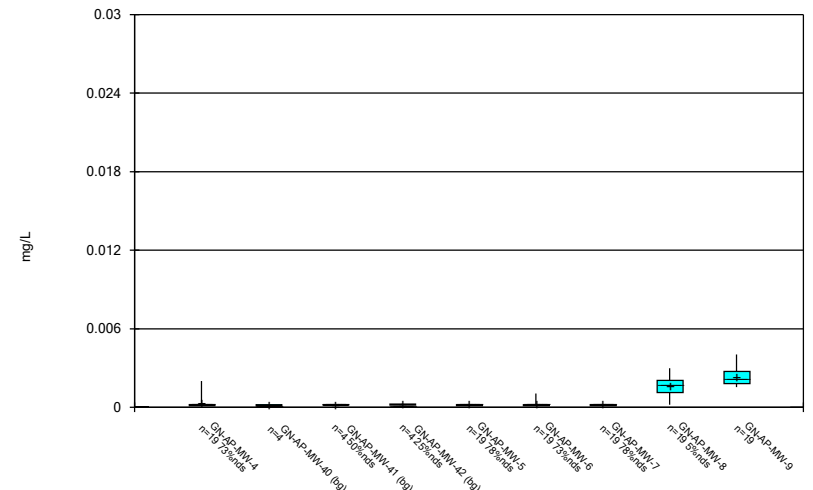
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



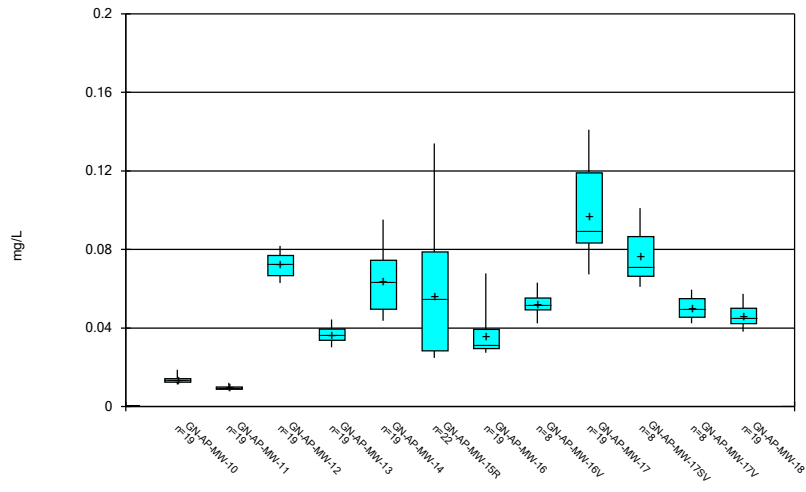
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



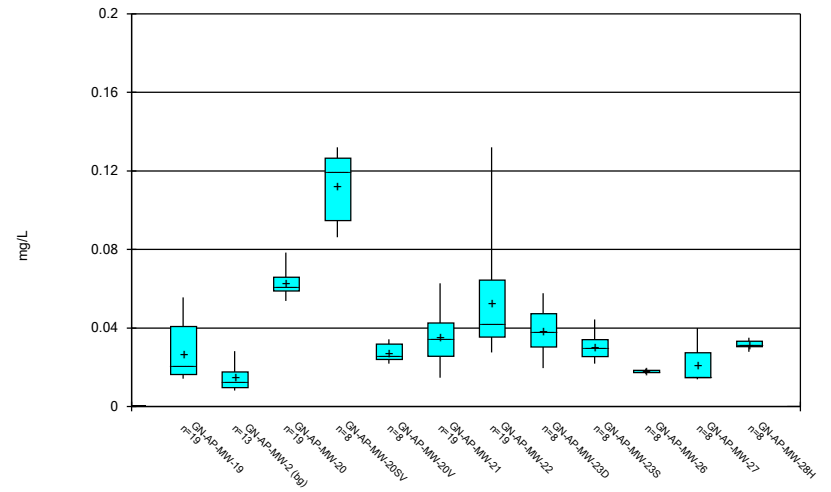
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



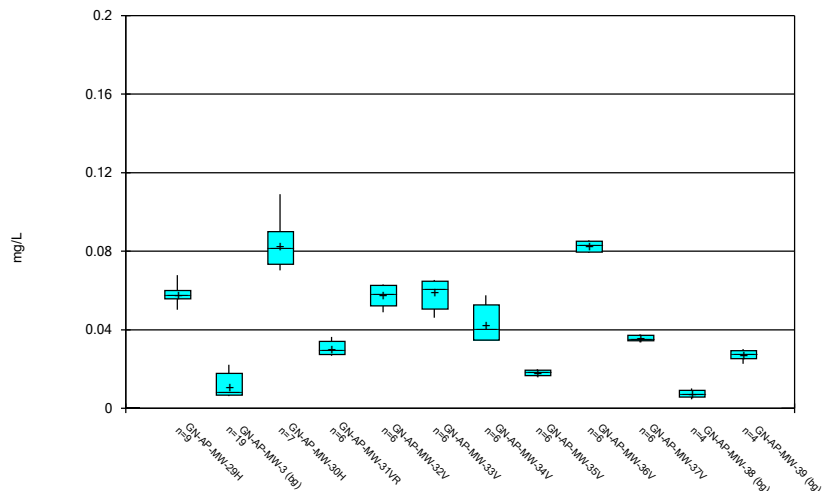
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Box & Whiskers Plot



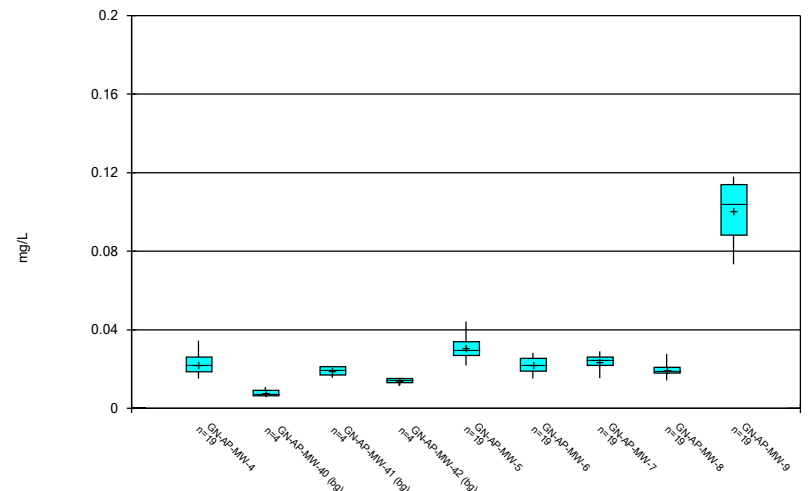
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



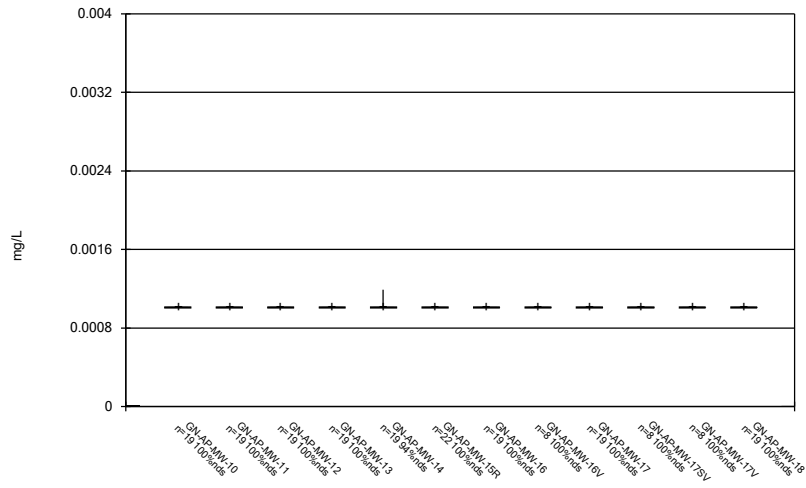
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



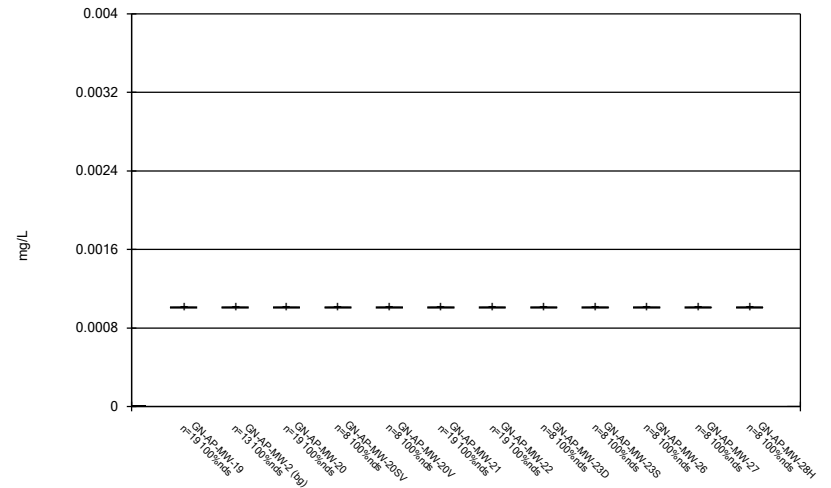
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



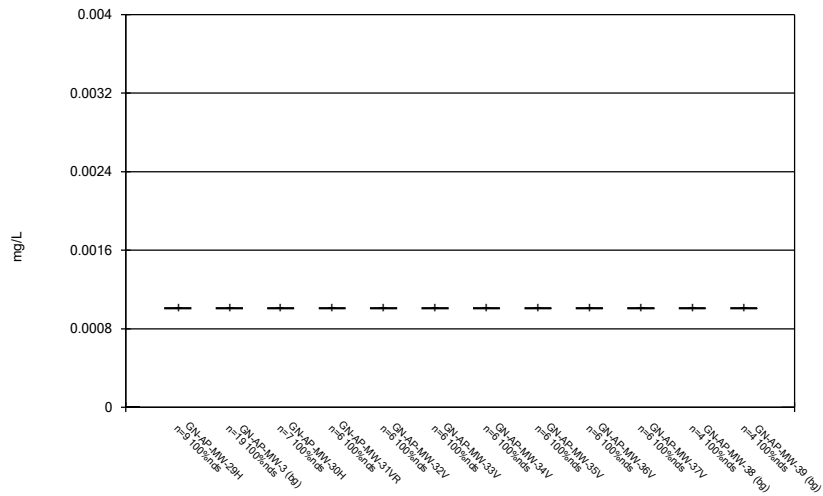
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



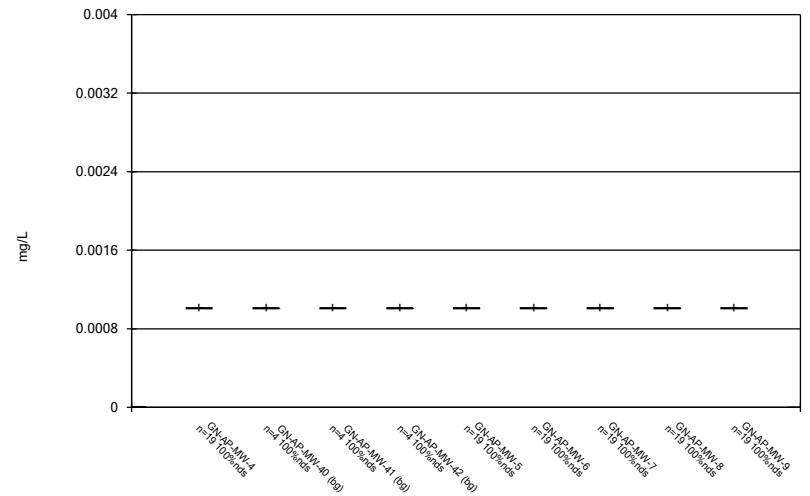
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Box & Whiskers Plot



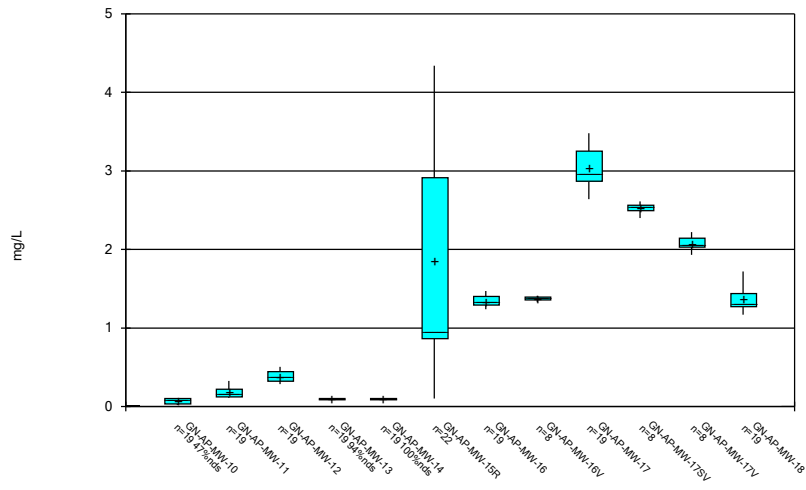
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



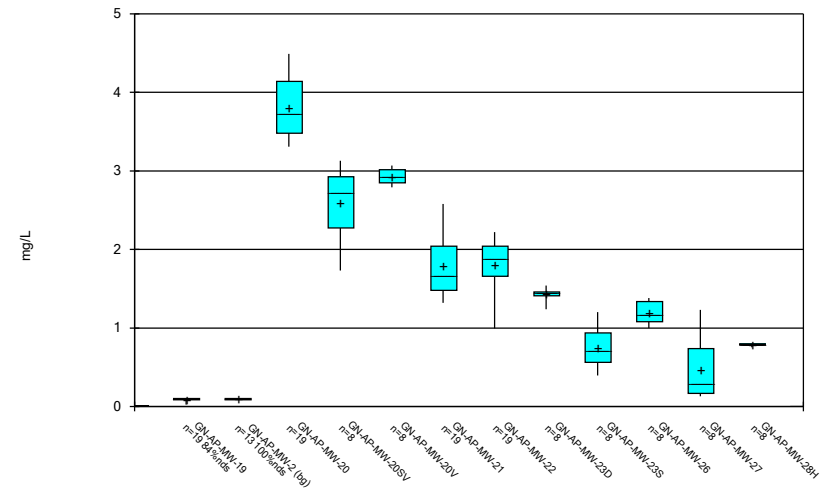
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Box & Whiskers Plot



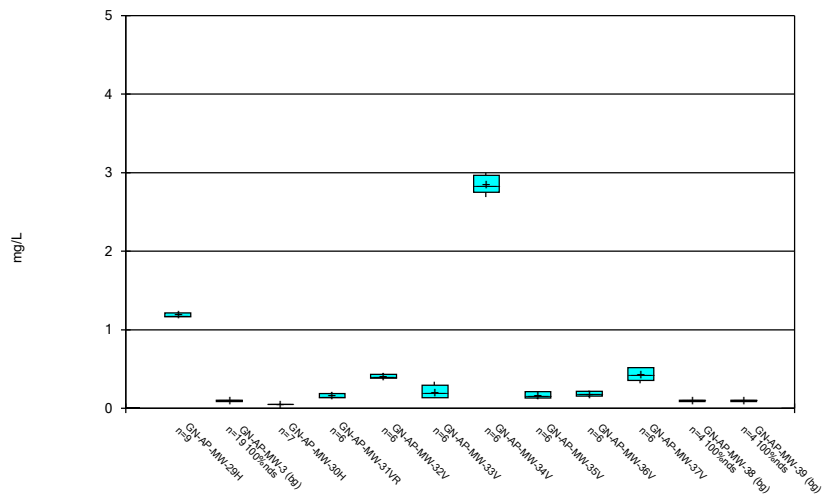
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Box & Whiskers Plot



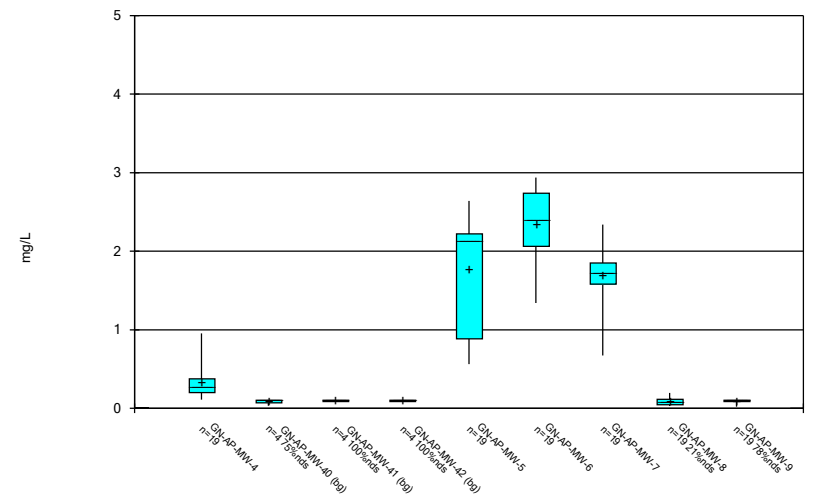
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Box & Whiskers Plot



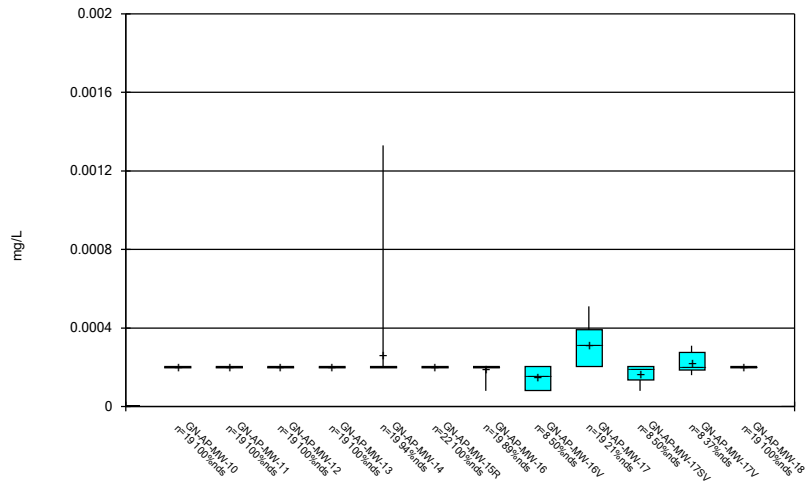
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Box & Whiskers Plot



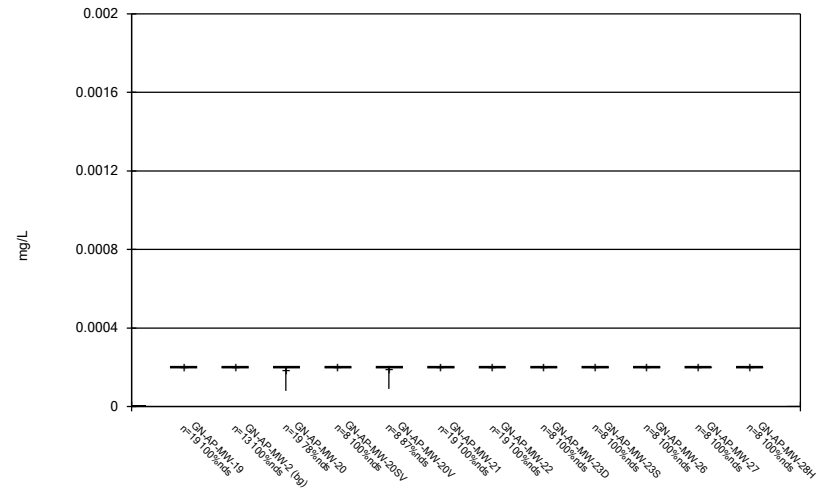
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Box & Whiskers Plot



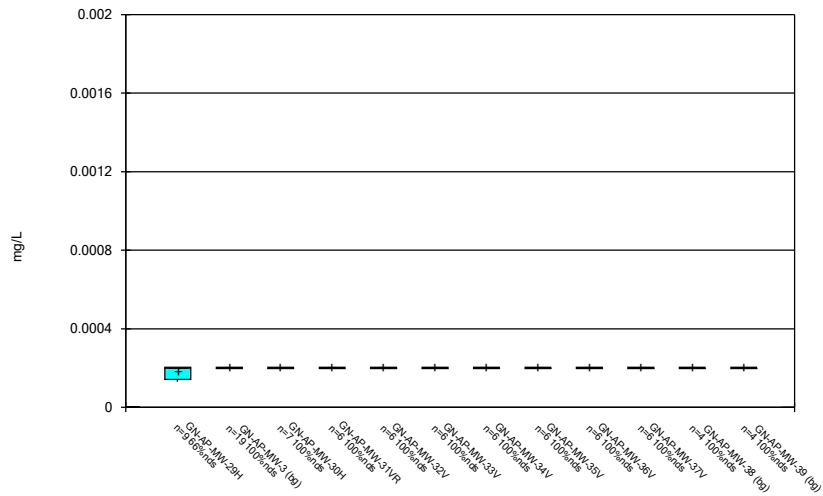
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Box & Whiskers Plot



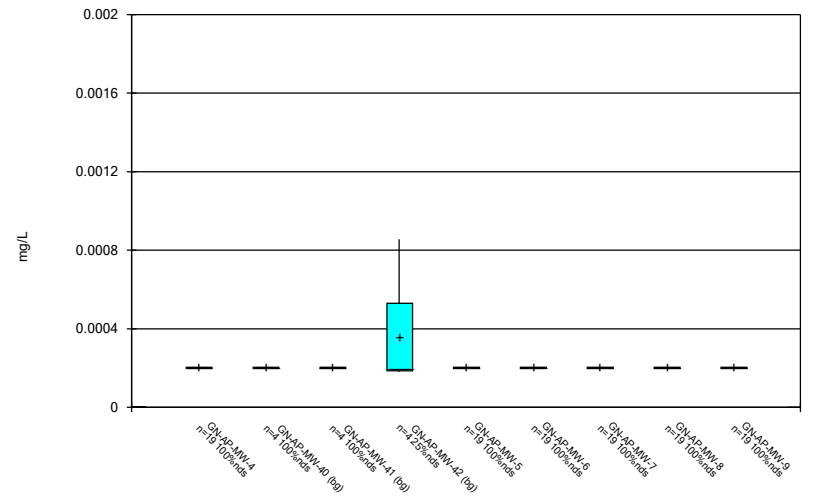
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Box & Whiskers Plot



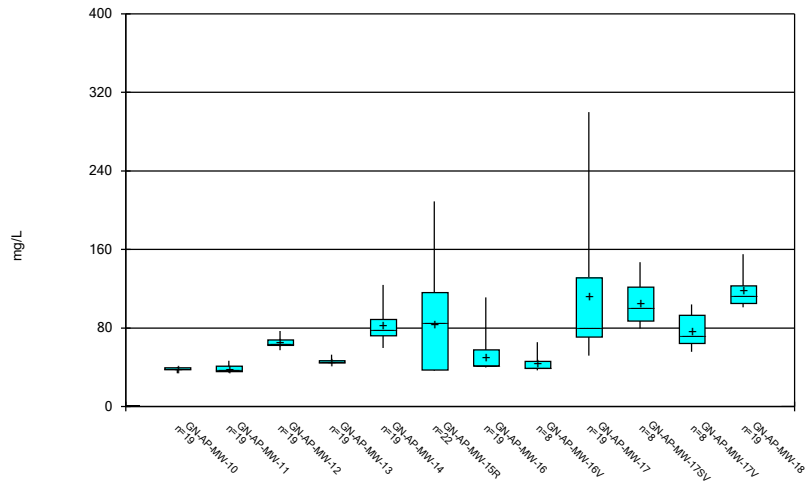
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Box & Whiskers Plot



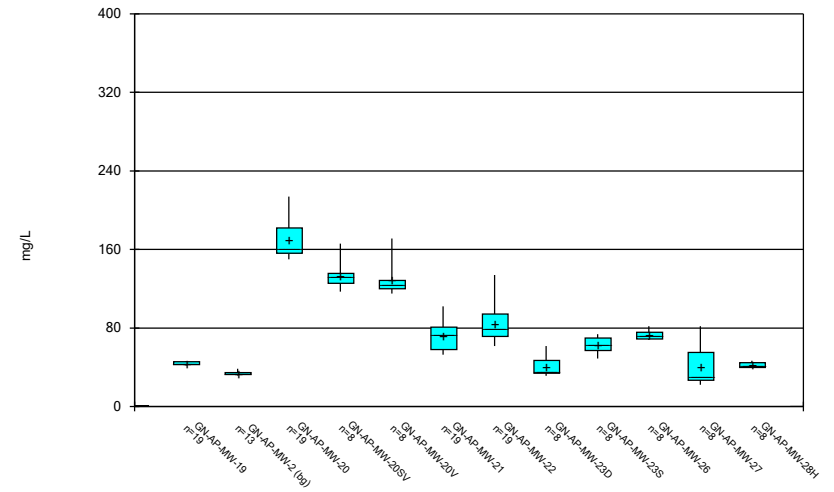
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Box & Whiskers Plot



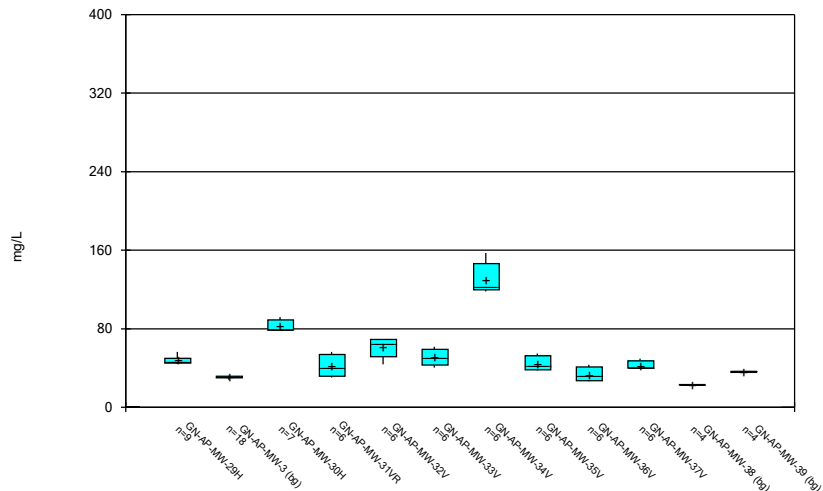
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



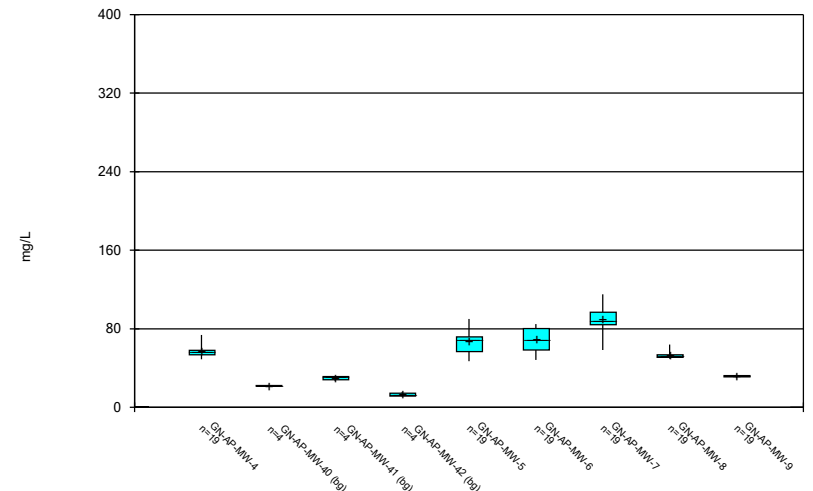
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Box & Whiskers Plot



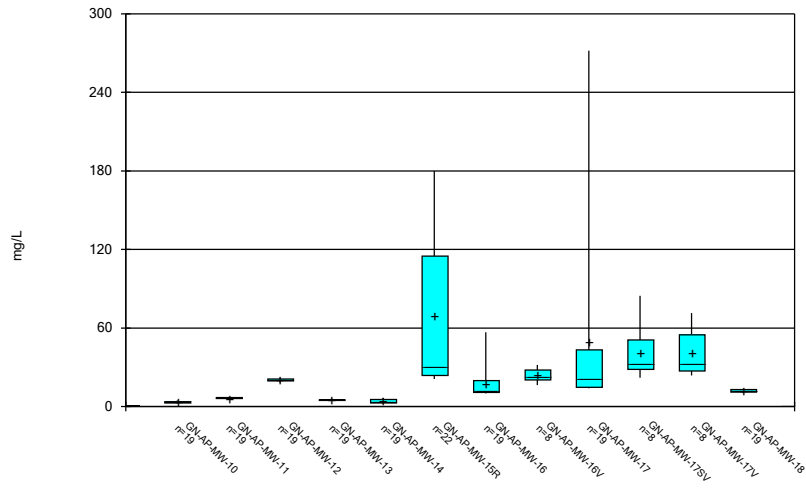
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Box & Whiskers Plot



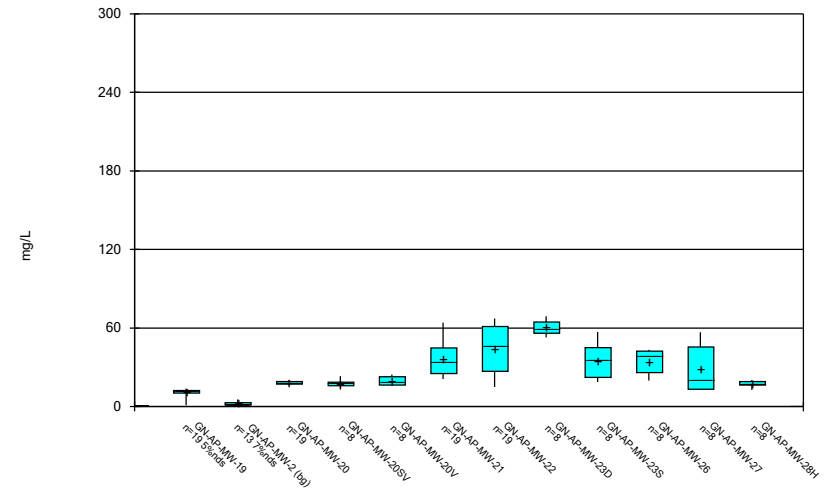
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Box & Whiskers Plot



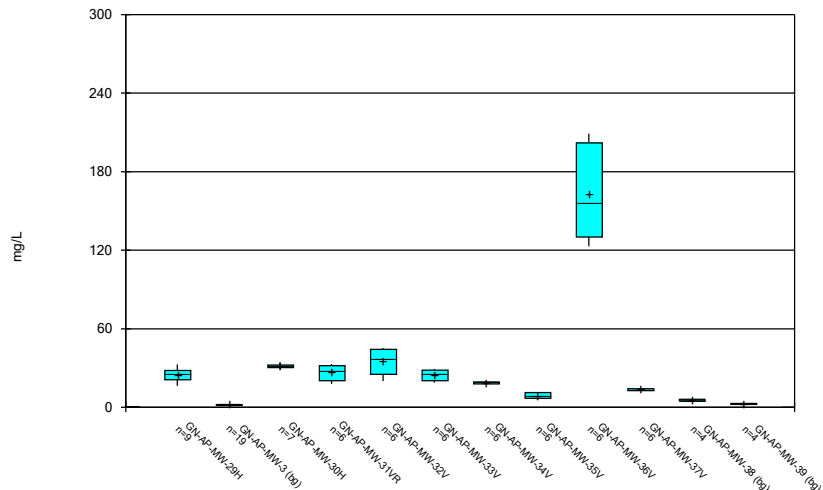
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



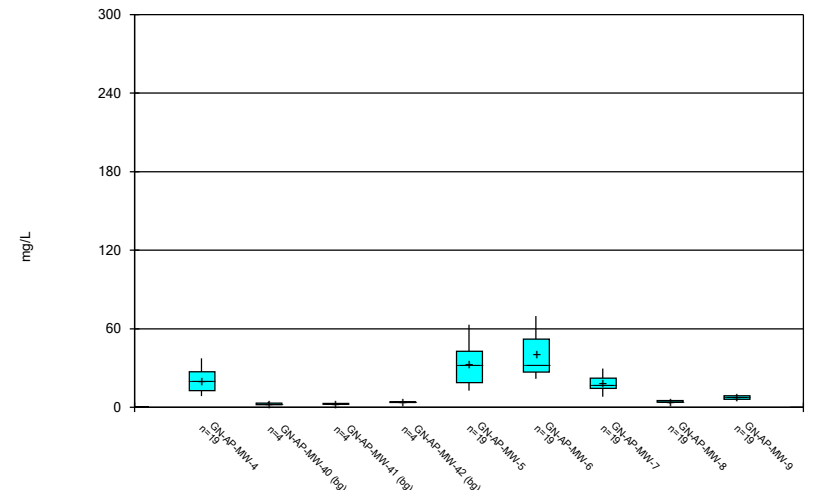
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Box & Whiskers Plot



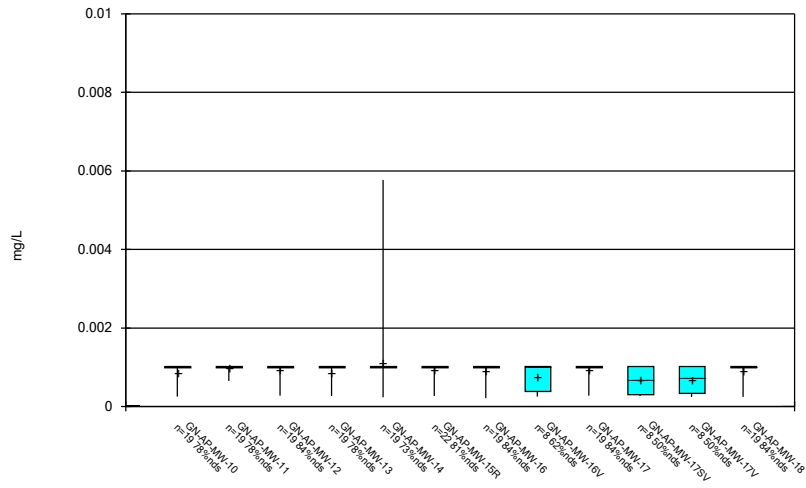
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Box & Whiskers Plot



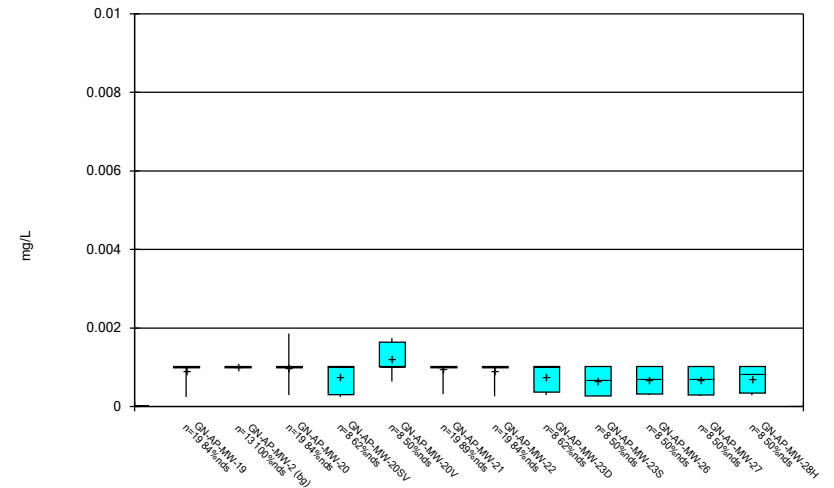
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Box & Whiskers Plot



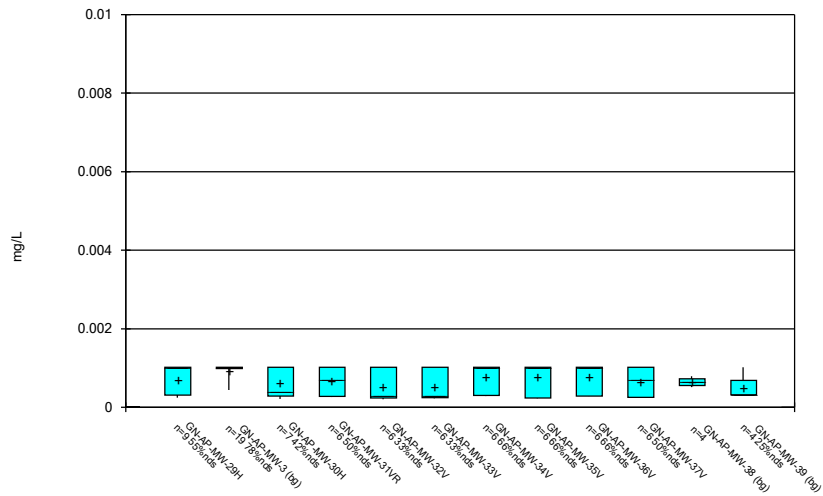
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Box & Whiskers Plot



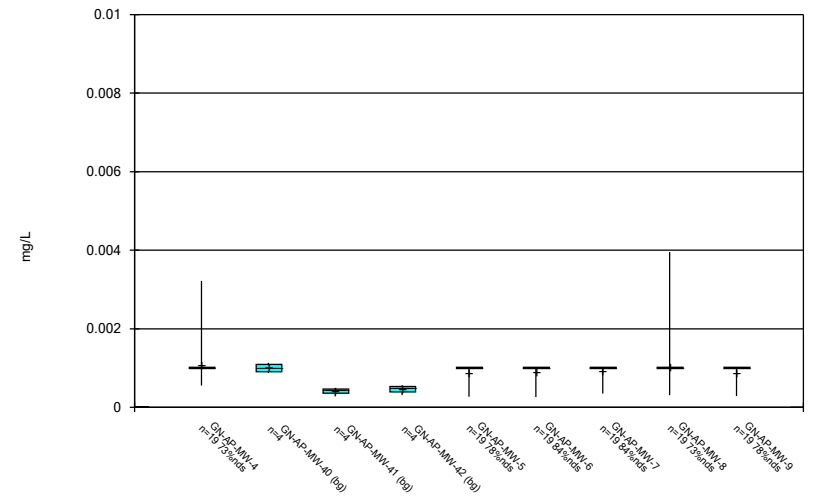
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Box & Whiskers Plot



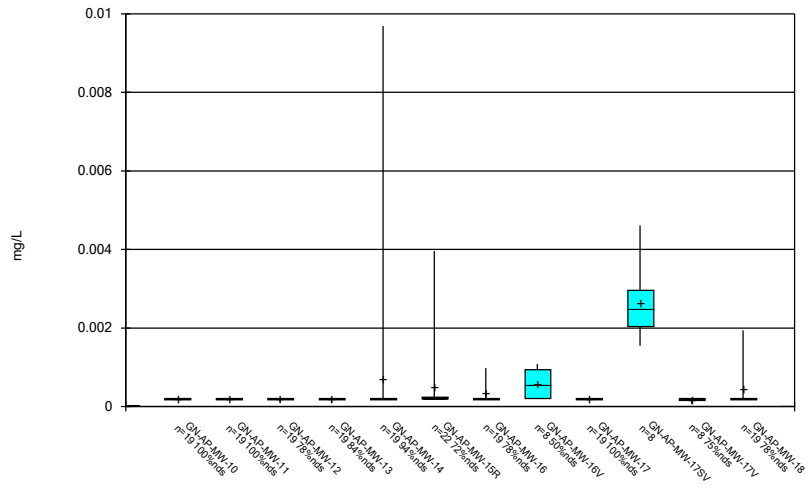
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



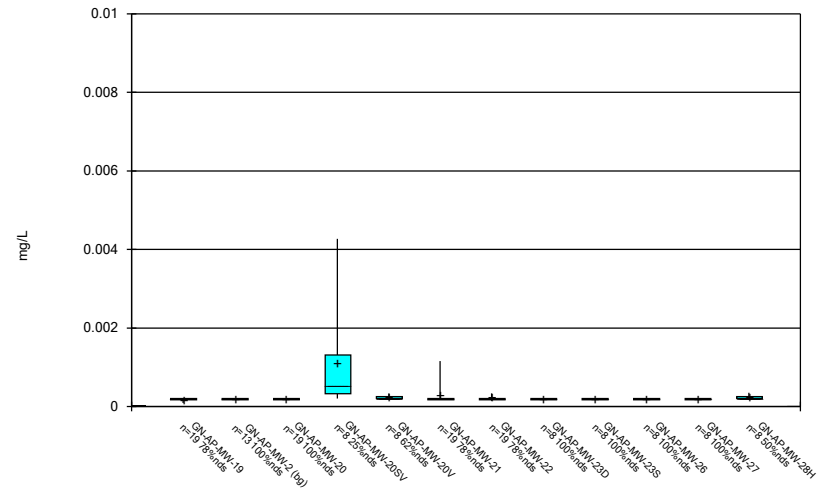
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



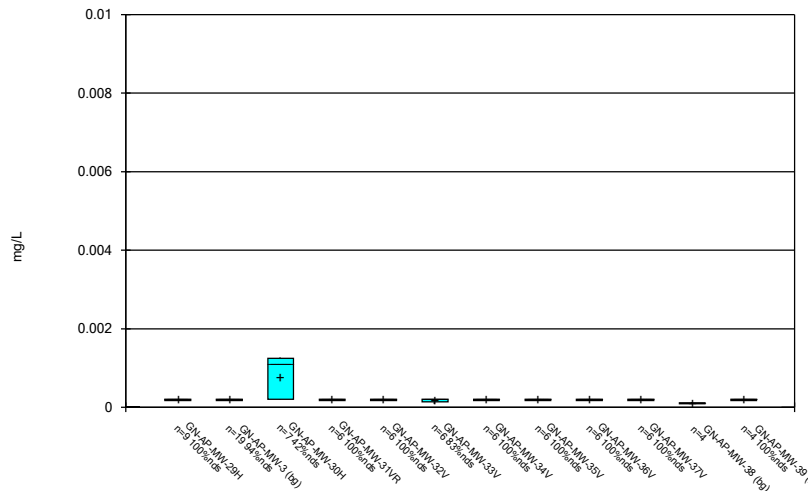
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



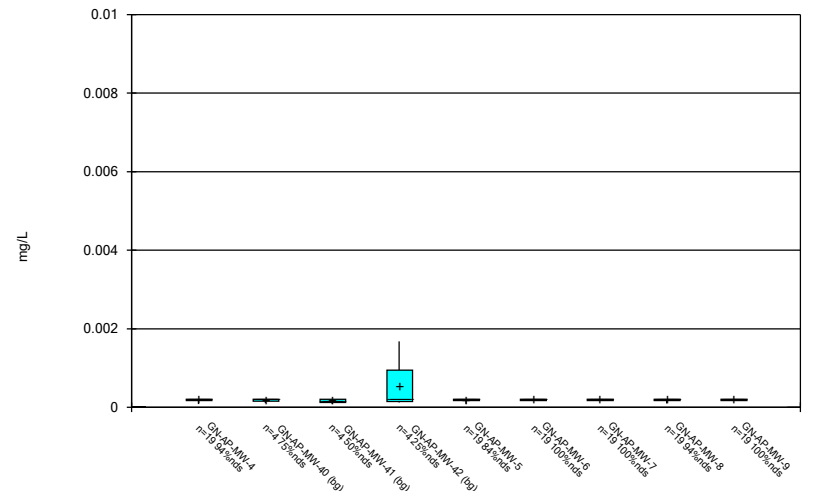
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Box & Whiskers Plot



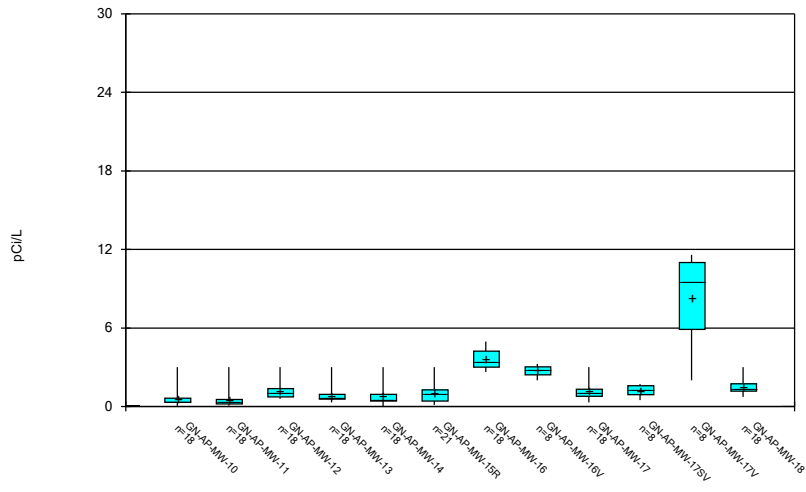
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Box & Whiskers Plot



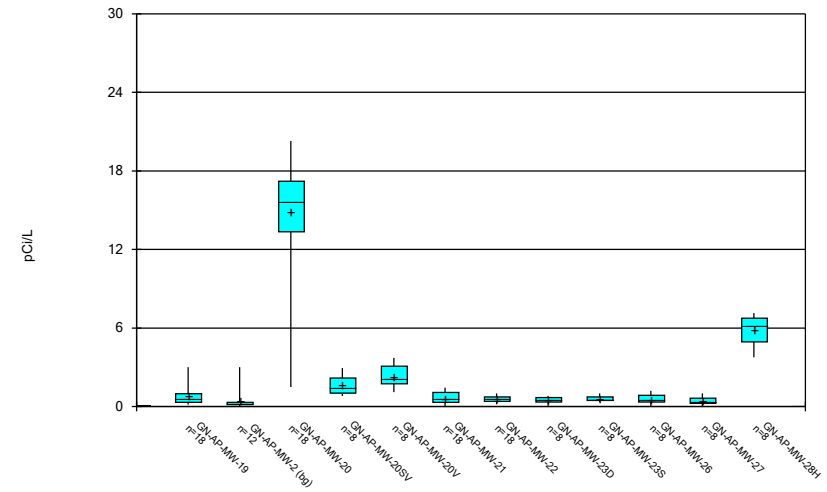
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



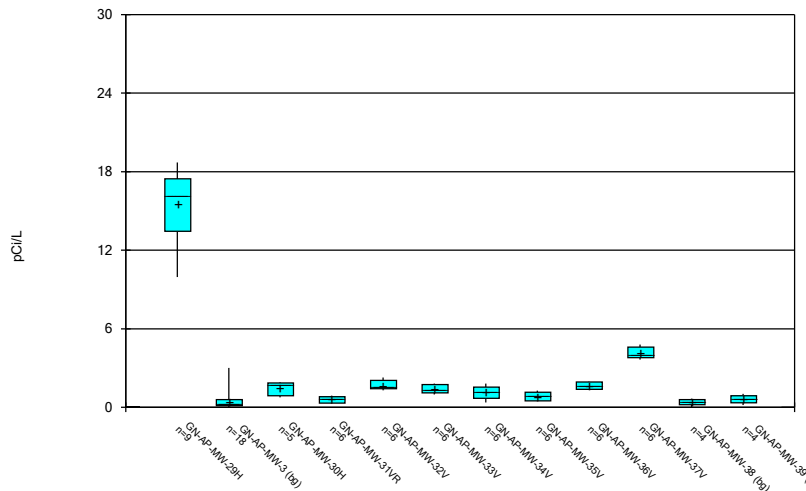
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



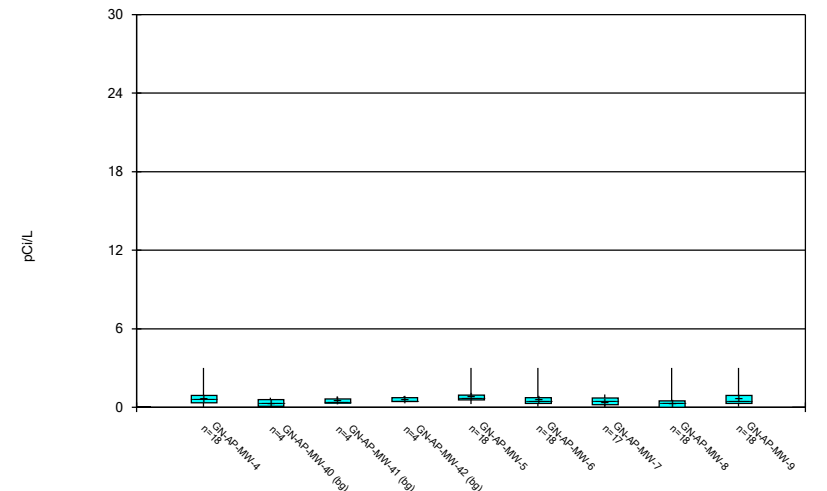
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Box & Whiskers Plot



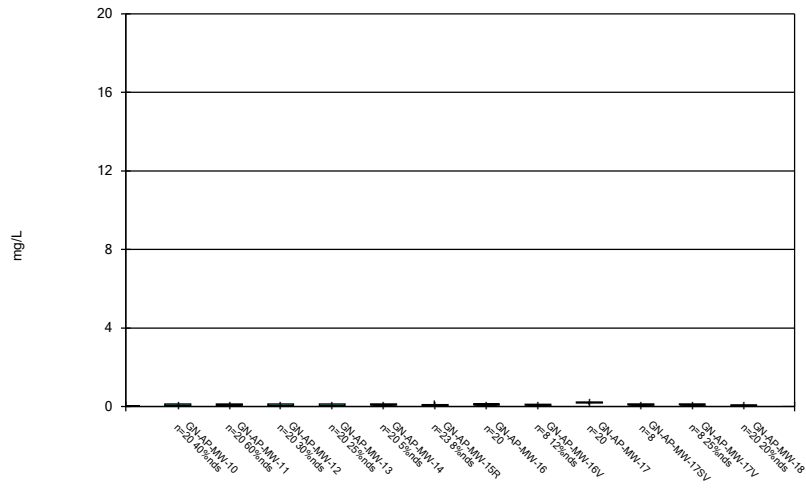
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



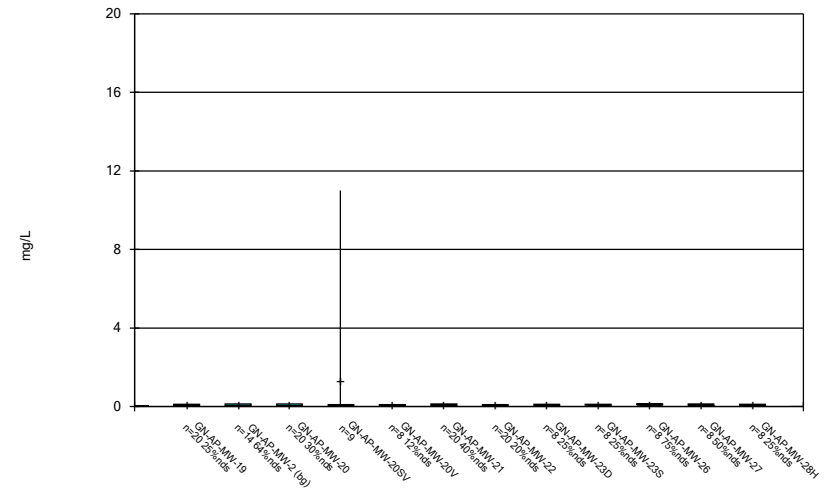
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Box & Whiskers Plot



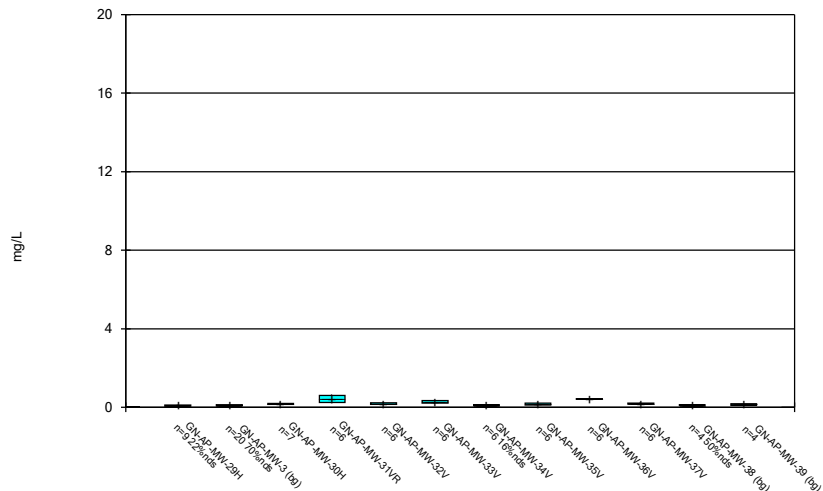
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Box & Whiskers Plot



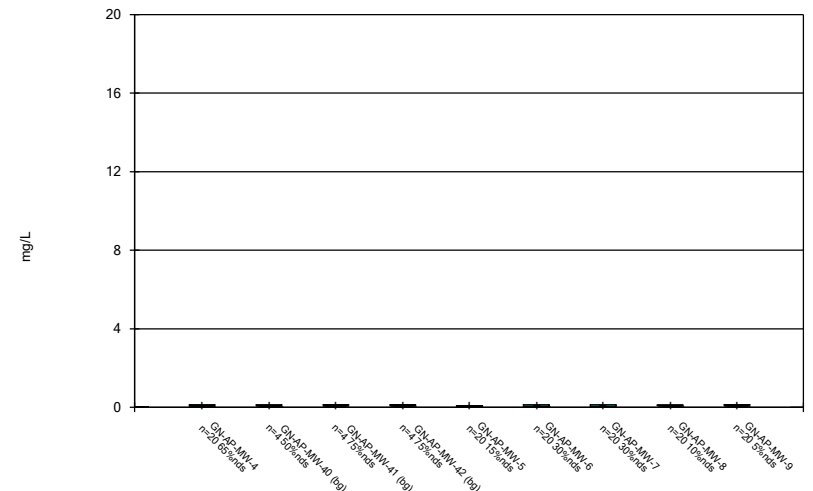
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Box & Whiskers Plot



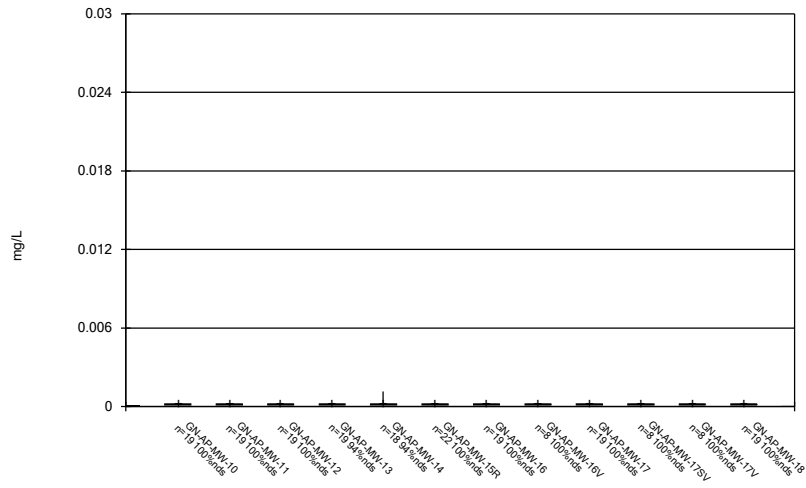
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Box & Whiskers Plot



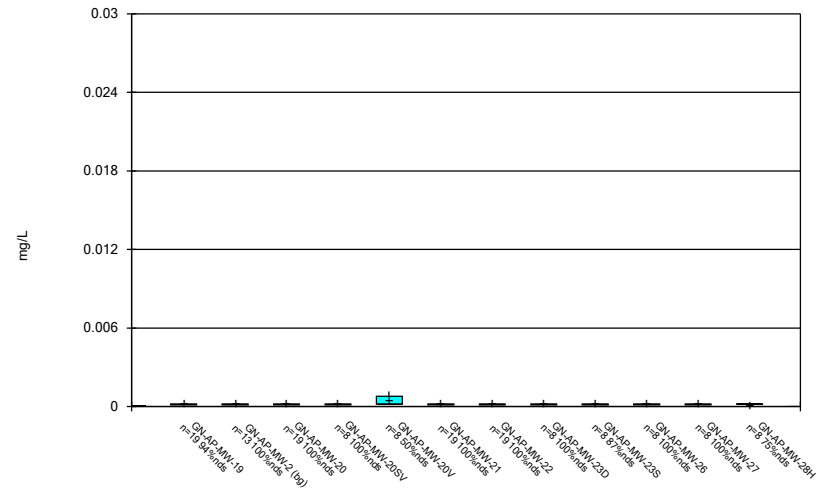
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Box & Whiskers Plot



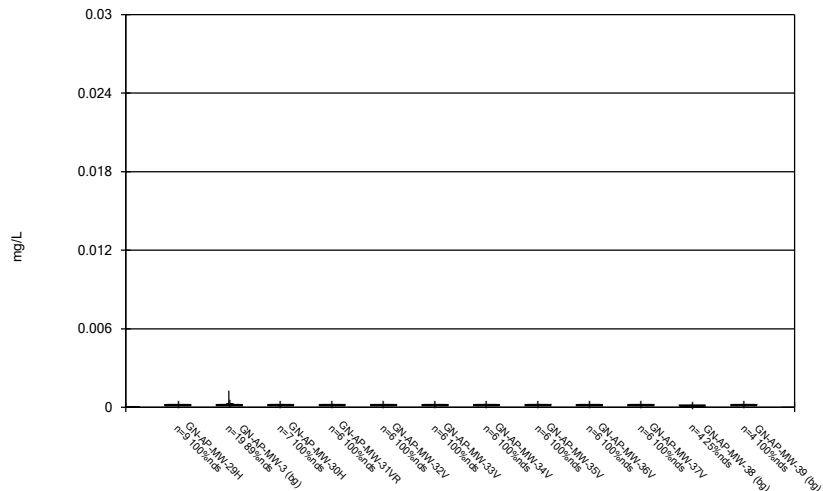
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



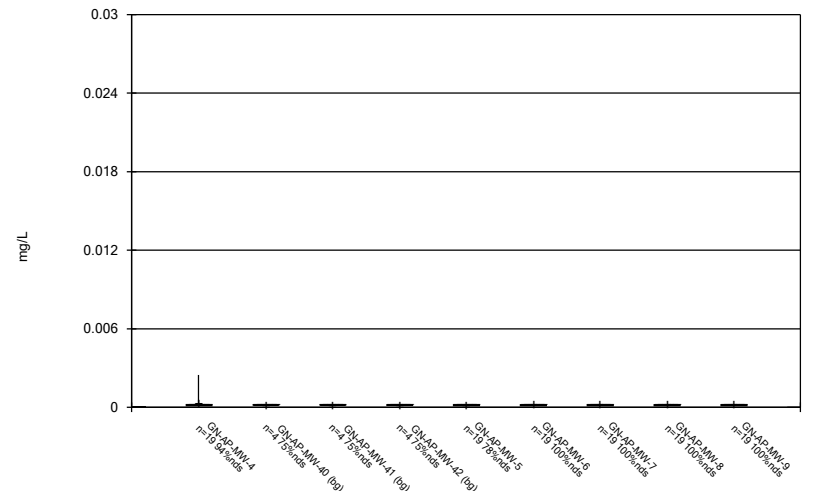
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



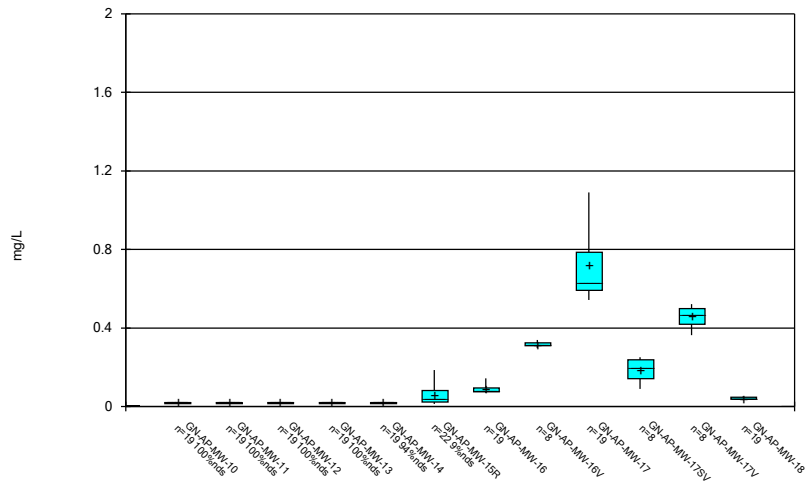
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



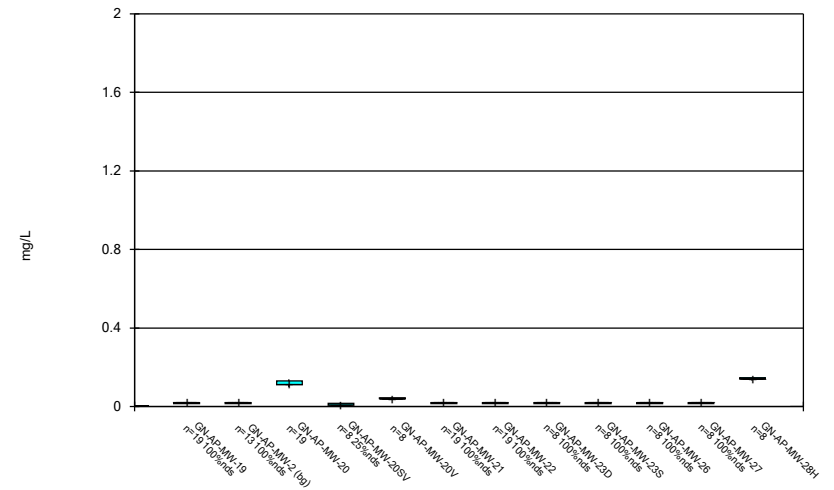
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



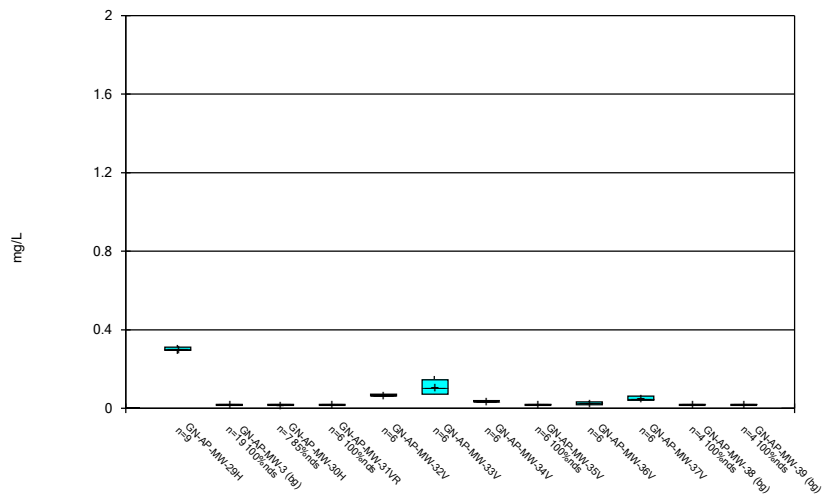
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Box & Whiskers Plot



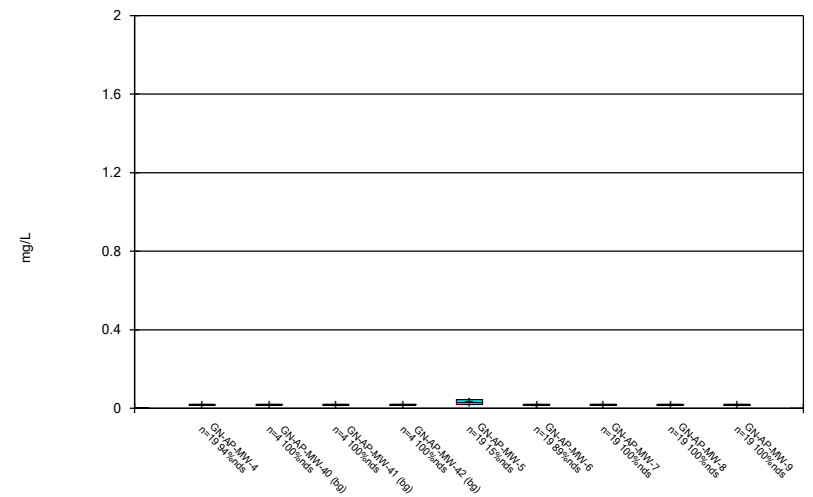
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Box & Whiskers Plot



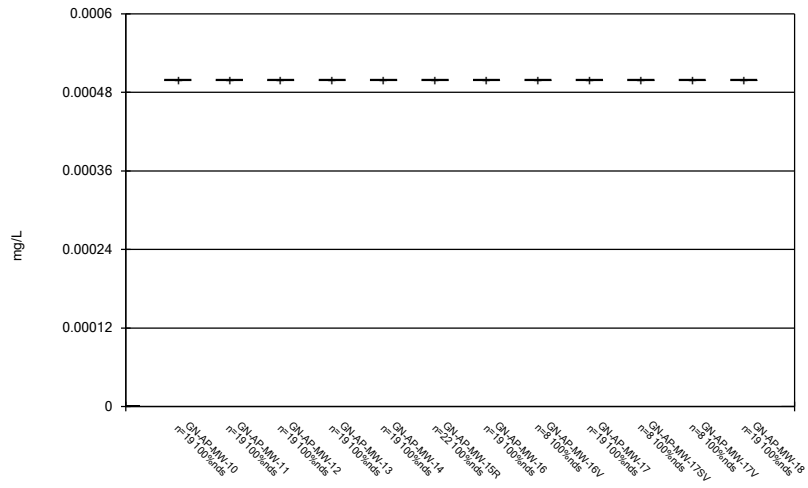
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



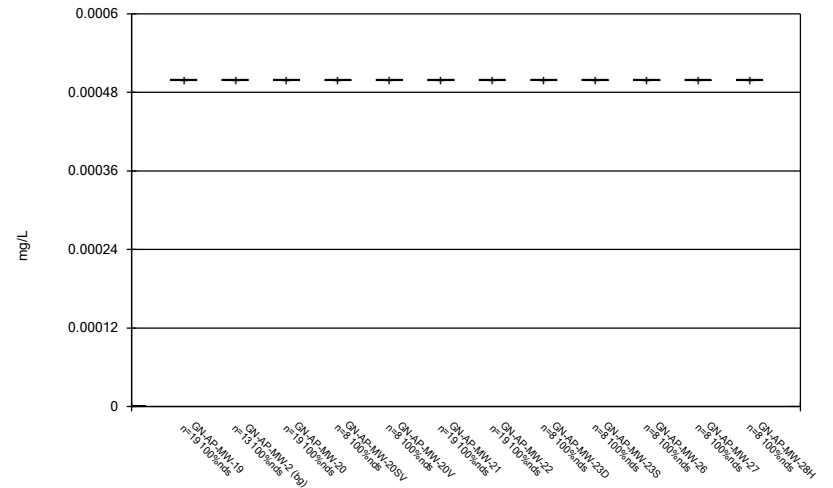
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Box & Whiskers Plot



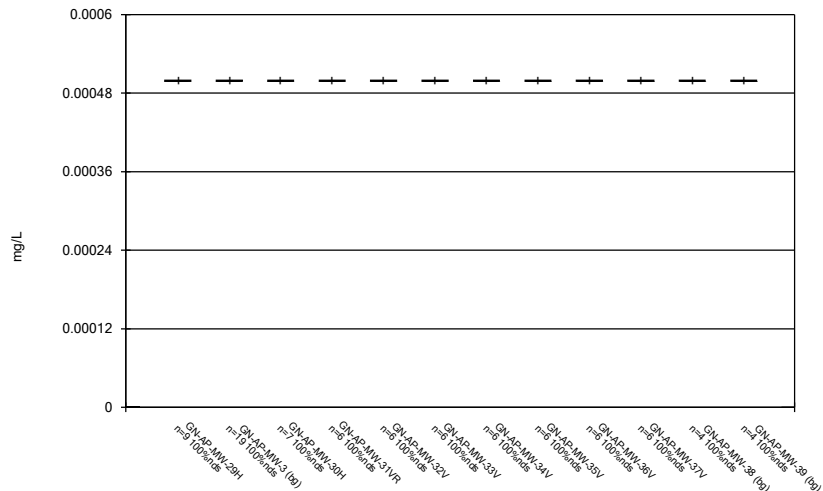
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Box & Whiskers Plot



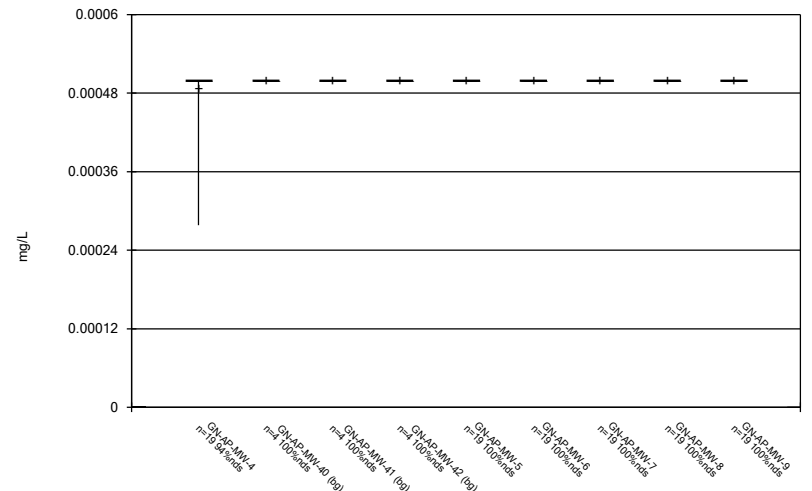
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Box & Whiskers Plot



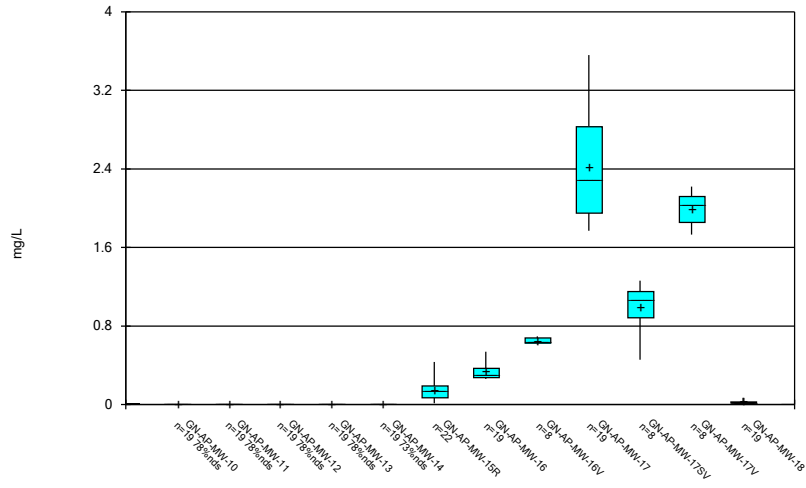
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Box & Whiskers Plot



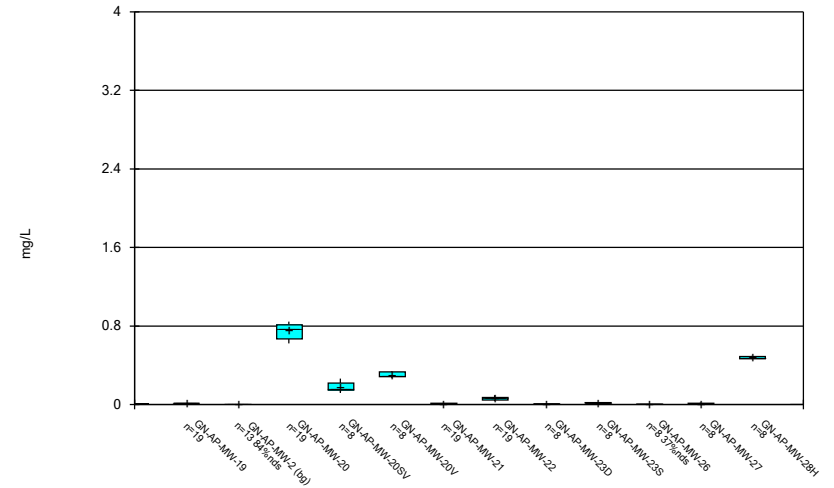
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Box & Whiskers Plot



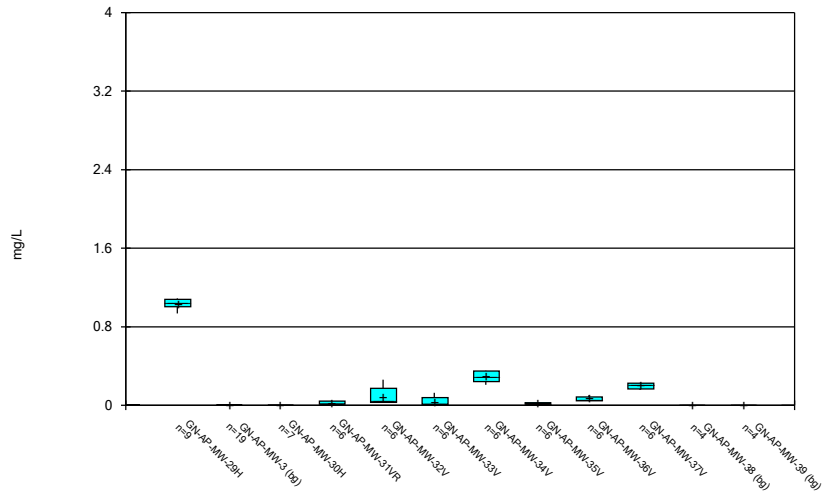
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



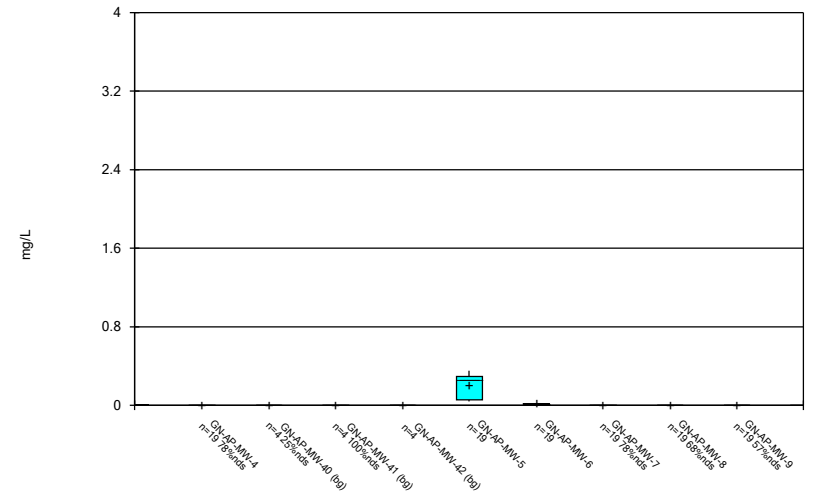
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



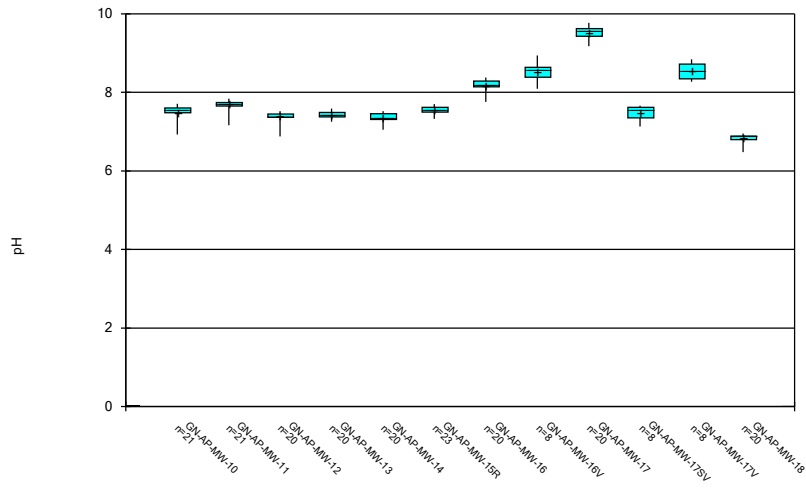
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



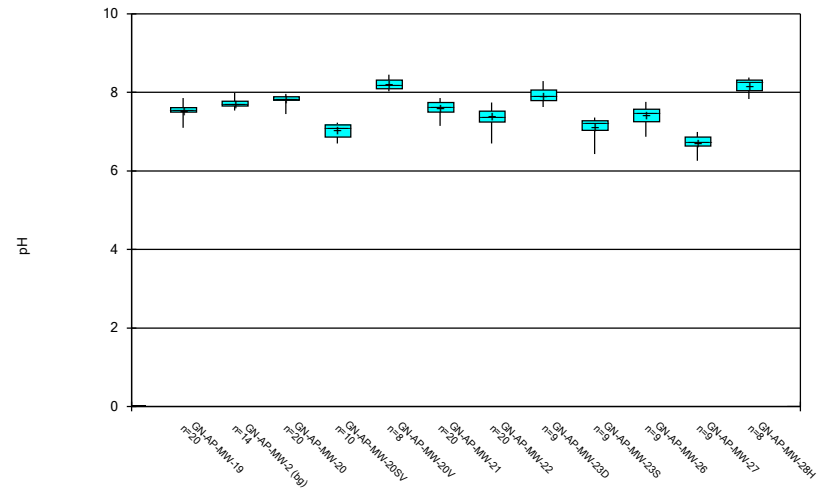
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



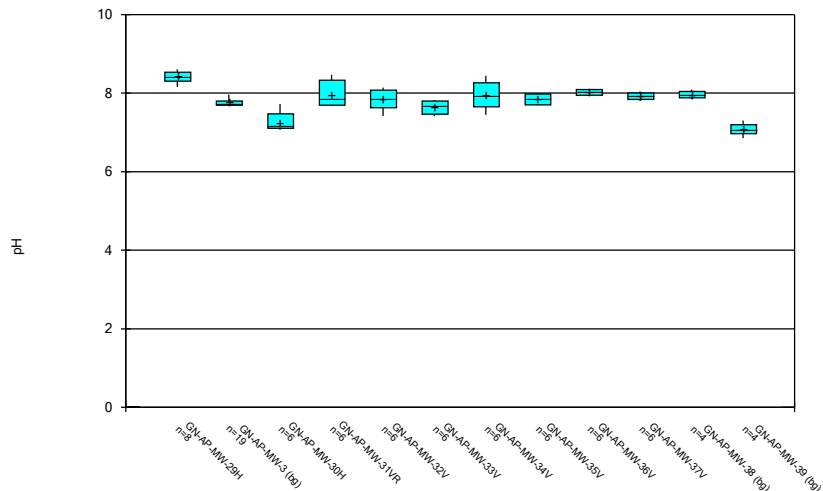
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



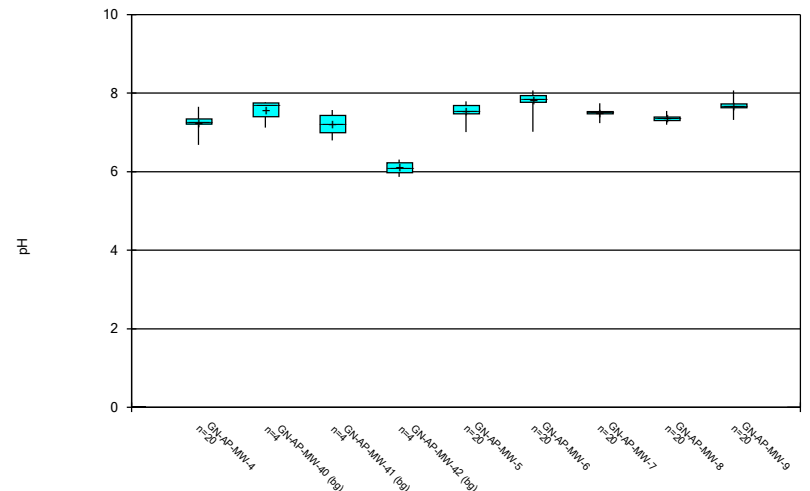
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



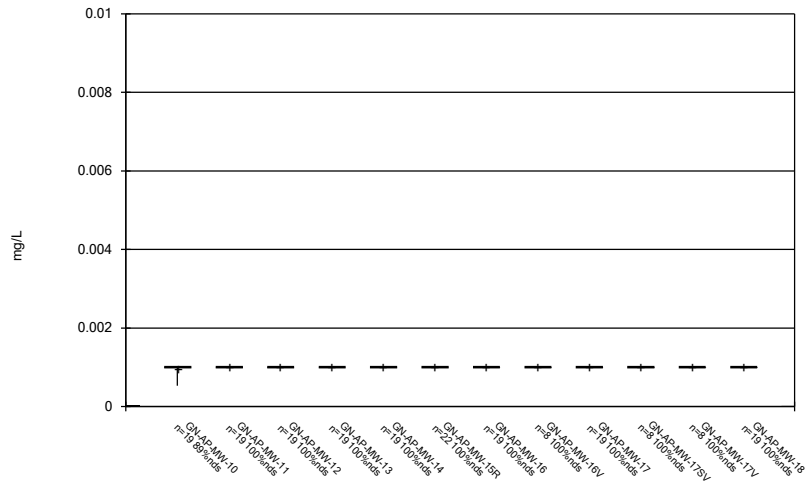
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



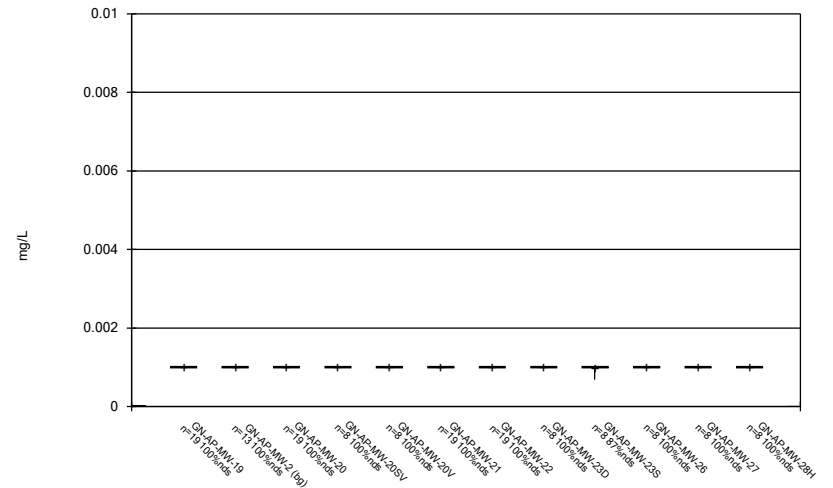
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



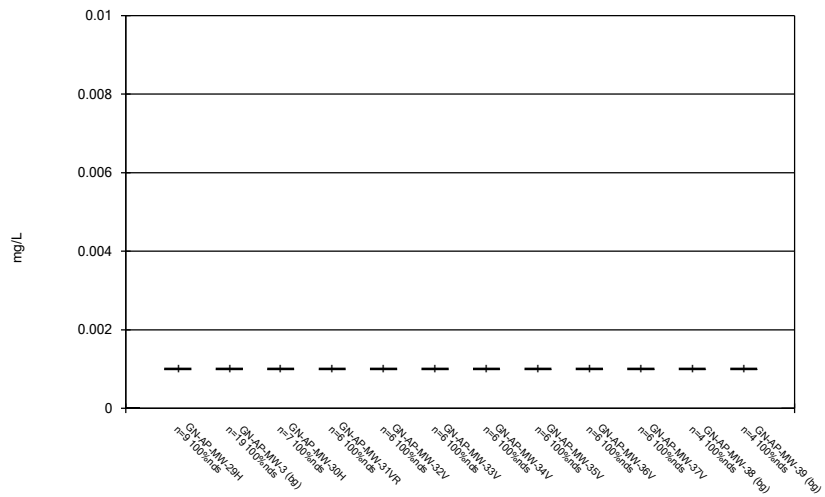
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



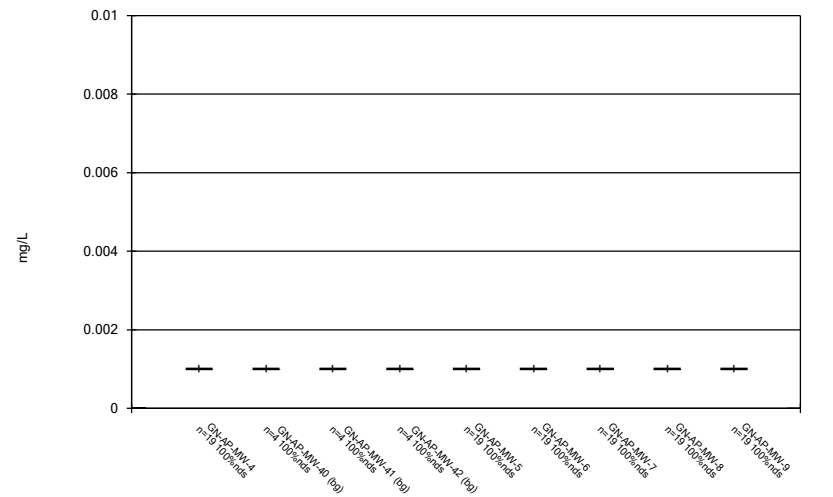
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



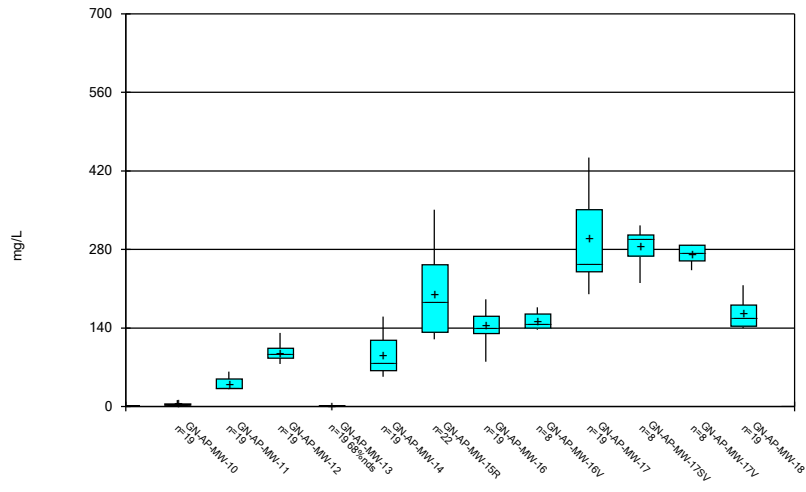
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Box & Whiskers Plot



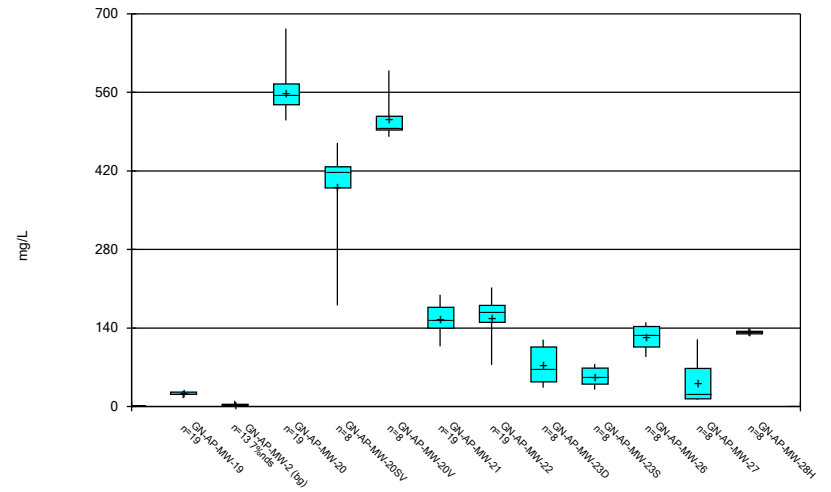
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Box & Whiskers Plot



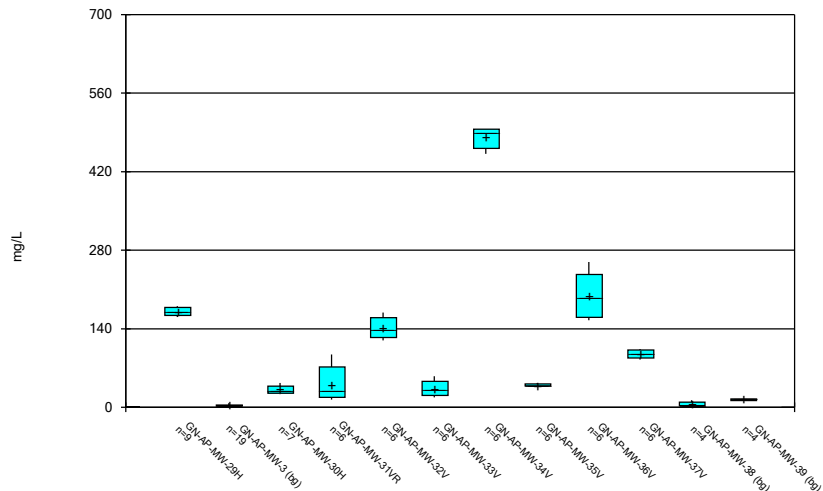
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Box & Whiskers Plot



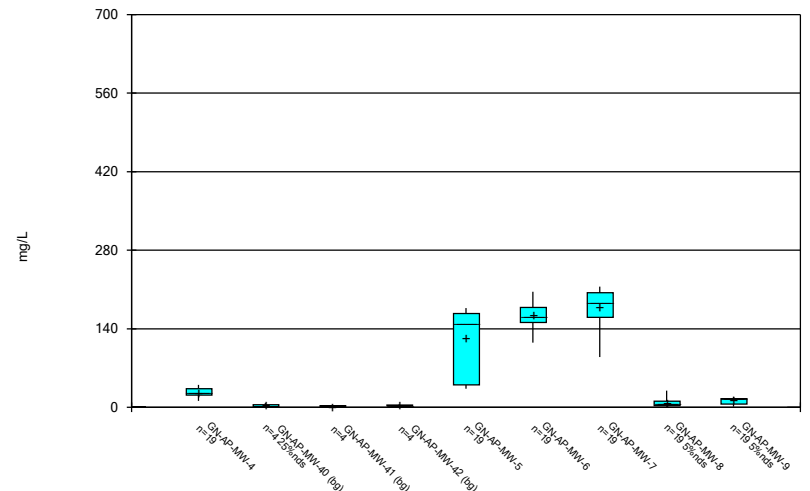
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



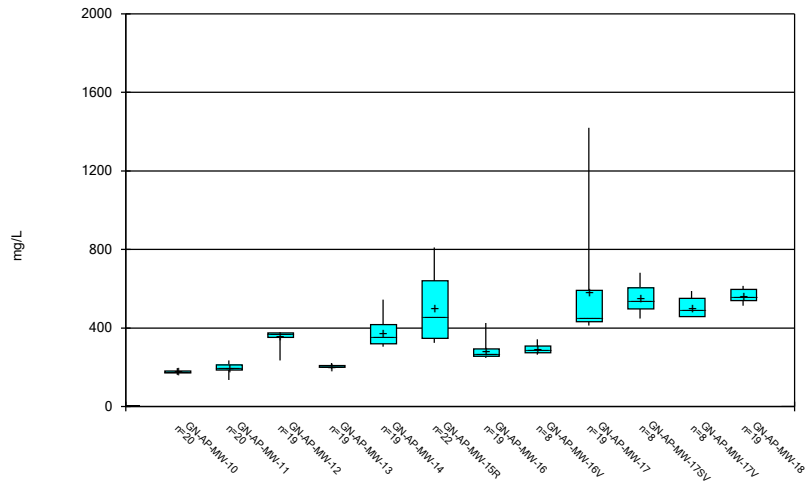
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



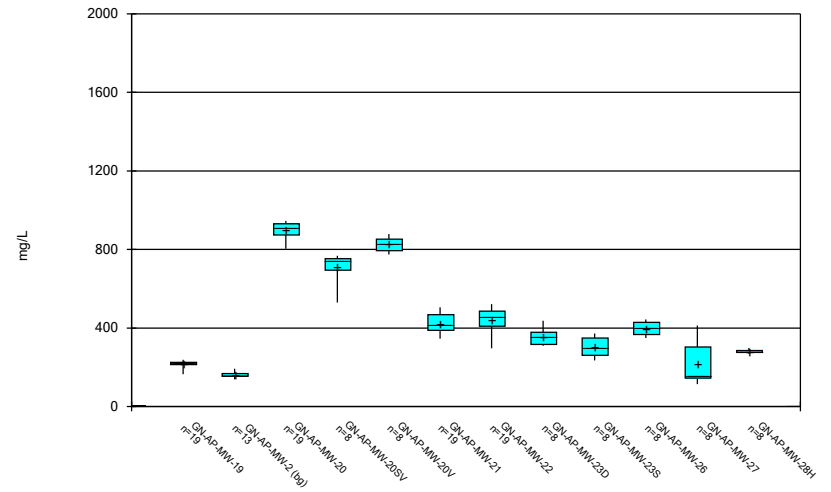
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



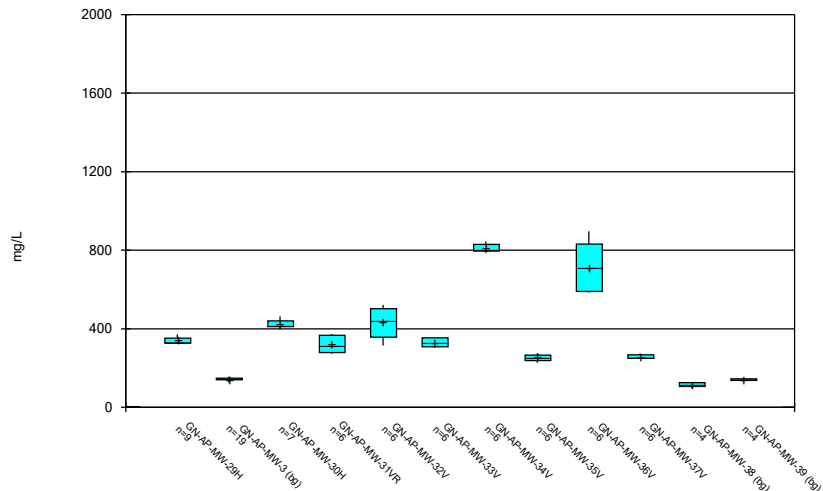
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



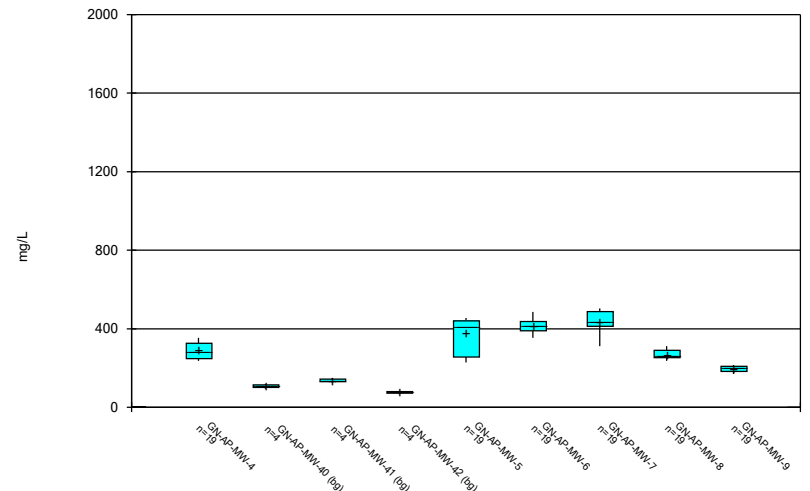
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



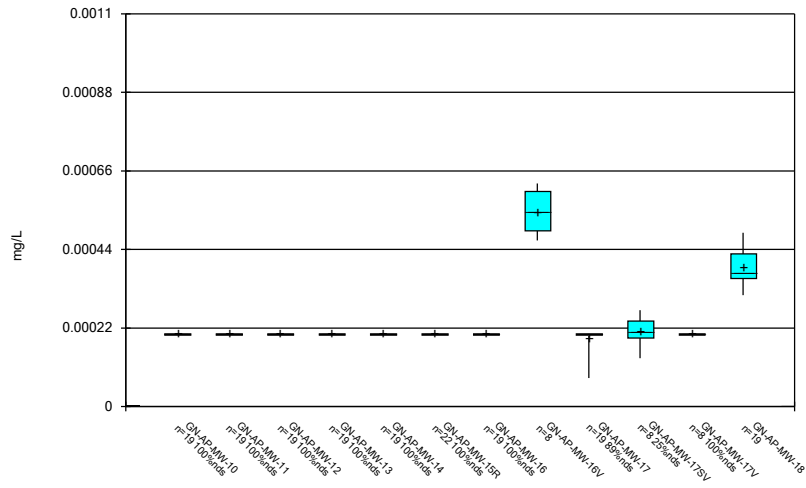
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



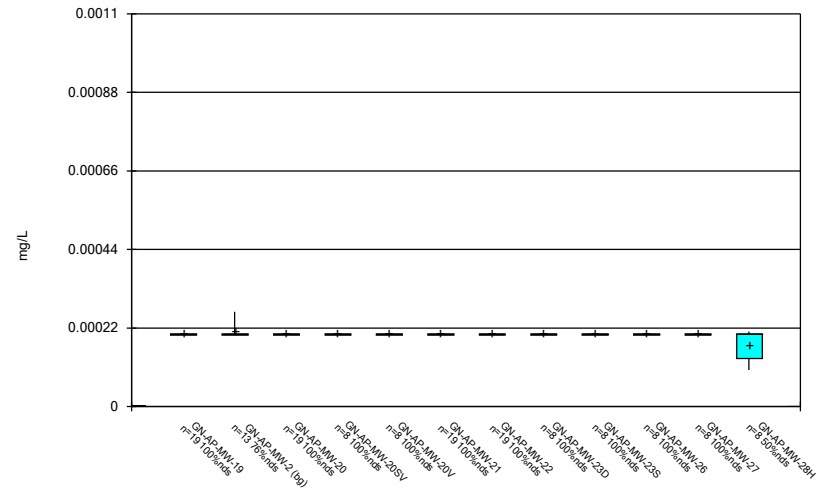
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



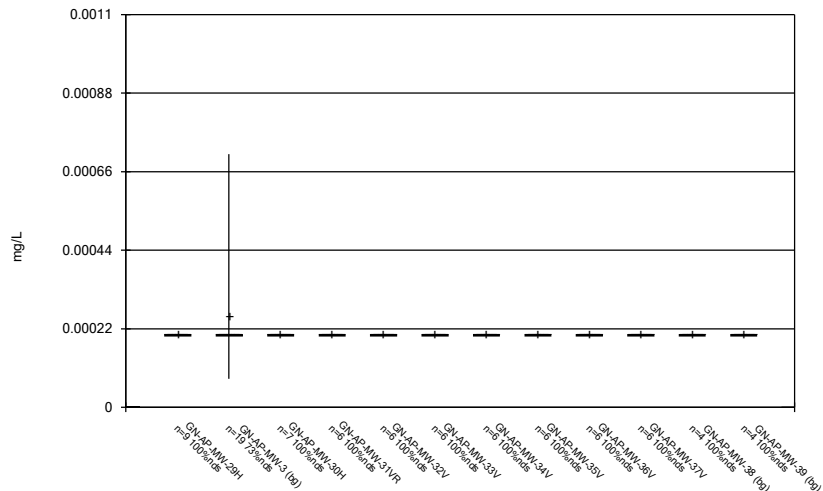
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



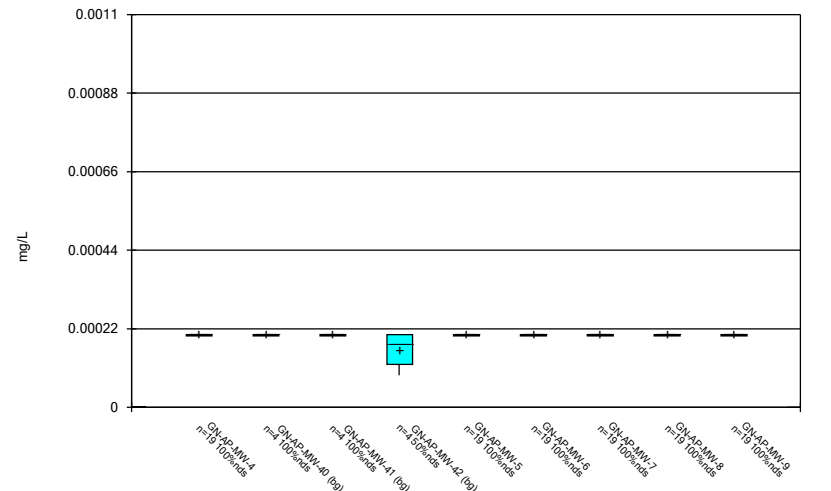
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 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/31/2022 2:33 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/31/2022 2:33 PM View: Constituents View
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

FIGURE C.

Outlier Summary

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:42 PM

GN-AP-MW-3 Calcium (mg/L)
GN-AP-MW-14 Lead (mg/L)
GN-AP-MW-3 pH (pH)

3/28/2016	0.0202 (o)
3/1/2017	<0.5 (o)
8/30/2022	9.22 (o)

FIGURE D.

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	9/6/2022	0.326	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	9/6/2022	0.459	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	8/31/2022	2.22	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	8/30/2022	1.42	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	8/30/2022	3.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	8/30/2022	4.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	8/30/2022	1.48	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	8/30/2022	0.992	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	8/30/2022	0.112	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	8/30/2022	0.562	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	8/30/2022	1.26	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.39	n/a	9/6/2022	46.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.39	n/a	9/6/2022	76.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.39	n/a	9/7/2022	52.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.39	n/a	9/6/2022	102	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.39	n/a	8/31/2022	112	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.39	n/a	8/30/2022	111	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.39	n/a	8/30/2022	300	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.39	n/a	8/30/2022	155	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.39	n/a	8/30/2022	45.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.39	n/a	8/30/2022	214	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.39	n/a	8/30/2022	85.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.39	n/a	8/30/2022	83.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.39	n/a	8/30/2022	67.4	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.39	n/a	8/30/2022	56.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.39	n/a	8/30/2022	84.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.39	n/a	8/30/2022	81.2	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.39	n/a	8/31/2022	64	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	9/6/2022	7.27	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	9/6/2022	18.4	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	8/31/2022	82	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	8/30/2022	56.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	8/30/2022	272	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	8/30/2022	19	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	8/30/2022	28.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	8/30/2022	15.3	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	8/30/2022	8.56	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	8/30/2022	12.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	8/30/2022	23.9	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	8/30/2022	12	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	8/31/2022	8.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	8.09	5.87	8/30/2022	9.18	Yes	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.31	n/a	9/6/2022	61.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.31	n/a	9/6/2022	104	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.31	n/a	9/6/2022	148	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.31	n/a	8/31/2022	225	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.31	n/a	8/30/2022	190	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.31	n/a	8/30/2022	415	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.31	n/a	8/30/2022	203	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.31	n/a	8/30/2022	27.5	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.31	n/a	8/30/2022	538	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.31	n/a	8/30/2022	129	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.31	n/a	8/30/2022	77.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.31	n/a	8/30/2022	33.3	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.31	n/a	8/30/2022	123	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.31	n/a	8/30/2022	212	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.31	n/a	8/31/2022	18.7	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-11	184.5	n/a	9/6/2022	226	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	184.5	n/a	9/6/2022	376	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	184.5	n/a	9/7/2022	192	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	184.5	n/a	9/6/2022	462	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	184.5	n/a	8/31/2022	582	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	184.5	n/a	8/30/2022	425	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	184.5	n/a	8/30/2022	1420	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	GN-AP-MW-18	184.5	n/a	8/30/2022	614	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	184.5	n/a	8/30/2022	238	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	184.5	n/a	8/30/2022	930	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	184.5	n/a	8/30/2022	390	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	184.5	n/a	8/30/2022	296	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	184.5	n/a	8/30/2022	240	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	184.5	n/a	8/30/2022	237	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	184.5	n/a	8/30/2022	400	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	184.5	n/a	8/30/2022	319	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	184.5	n/a	8/31/2022	246	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	184.5	n/a	8/31/2022	210	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GN-AP-MW-10	0.1015	n/a	8/31/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-11	0.1015	n/a	9/6/2022	0.326	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-12	0.1015	n/a	9/6/2022	0.459	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-13	0.1015	n/a	9/7/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-14	0.1015	n/a	9/6/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-15R	0.1015	n/a	8/31/2022	2.22	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-16	0.1015	n/a	8/30/2022	1.42	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-17	0.1015	n/a	8/30/2022	3.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-18	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-19	0.1015	n/a	8/30/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-20	0.1015	n/a	8/30/2022	4.33	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-21	0.1015	n/a	8/30/2022	1.48	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-22	0.1015	n/a	8/30/2022	0.992	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-4	0.1015	n/a	8/30/2022	0.112	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-5	0.1015	n/a	8/30/2022	0.562	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-6	0.1015	n/a	8/30/2022	1.72	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-7	0.1015	n/a	8/30/2022	1.26	Yes	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-8	0.1015	n/a	8/31/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Boron (mg/L)	GN-AP-MW-9	0.1015	n/a	8/31/2022	0.1015ND	No	52	n/a	n/a	98.08	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GN-AP-MW-10	38.39	n/a	8/31/2022	36.4	No	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-11	38.39	n/a	9/6/2022	46.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-12	38.39	n/a	9/6/2022	76.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-13	38.39	n/a	9/7/2022	52.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-14	38.39	n/a	9/6/2022	102	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-15R	38.39	n/a	8/31/2022	112	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-16	38.39	n/a	8/30/2022	111	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-17	38.39	n/a	8/30/2022	300	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-18	38.39	n/a	8/30/2022	155	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-19	38.39	n/a	8/30/2022	45.8	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-20	38.39	n/a	8/30/2022	214	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-21	38.39	n/a	8/30/2022	85.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-22	38.39	n/a	8/30/2022	83.7	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-4	38.39	n/a	8/30/2022	67.4	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-5	38.39	n/a	8/30/2022	56.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-6	38.39	n/a	8/30/2022	84.6	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-7	38.39	n/a	8/30/2022	81.2	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-8	38.39	n/a	8/31/2022	64	Yes	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Calcium (mg/L)	GN-AP-MW-9	38.39	n/a	8/31/2022	29.9	No	51	27760	13149	0	None	x^3	0.000396	Param Inter 1 of 2
Chloride (mg/L)	GN-AP-MW-10	6.09	n/a	8/31/2022	2.43	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-11	6.09	n/a	9/6/2022	7.27	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-12	6.09	n/a	9/6/2022	18.4	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-13	6.09	n/a	9/7/2022	4.55	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-14	6.09	n/a	9/6/2022	5.29	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-15R	6.09	n/a	8/31/2022	82	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-16	6.09	n/a	8/30/2022	56.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-17	6.09	n/a	8/30/2022	272	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-18	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-19	6.09	n/a	8/30/2022	13	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-20	6.09	n/a	8/30/2022	19	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-21	6.09	n/a	8/30/2022	28.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-22	6.09	n/a	8/30/2022	15.3	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-4	6.09	n/a	8/30/2022	8.56	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-5	6.09	n/a	8/30/2022	12.6	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-6	6.09	n/a	8/30/2022	23.9	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-7	6.09	n/a	8/30/2022	12	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-8	6.09	n/a	8/31/2022	2.97	No	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Chloride (mg/L)	GN-AP-MW-9	6.09	n/a	8/31/2022	8.1	Yes	52	n/a	n/a	1.923	n/a	n/a	0.0006697	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GN-AP-MW-10	0.181	n/a	8/31/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-11	0.181	n/a	9/6/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-12	0.181	n/a	9/6/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-13	0.181	n/a	9/7/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-14	0.181	n/a	9/6/2022	0.0891J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-15R	0.181	n/a	8/31/2022	0.0842J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-16	0.181	n/a	8/30/2022	0.114J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-17	0.181	n/a	8/30/2022	0.115J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-18	0.181	n											

Interwell Prediction Limits - All Results

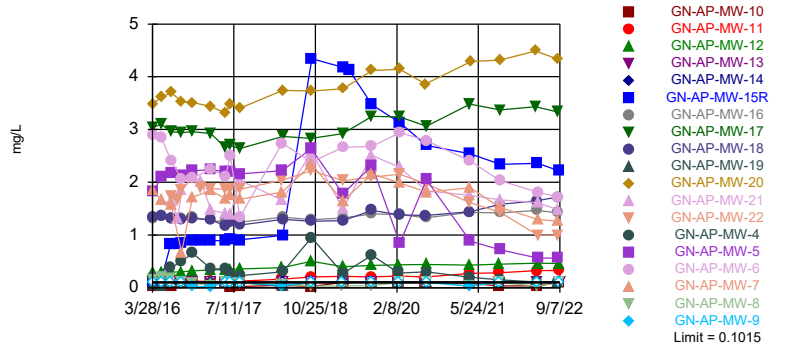
Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GN-AP-MW-21	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-22	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-4	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-5	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-6	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-7	0.181	n/a	8/30/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-8	0.181	n/a	8/31/2022	0.125ND	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GN-AP-MW-9	0.181	n/a	8/31/2022	0.089J	No	54	n/a	n/a	61.11	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
pH (pH)	GN-AP-MW-10	8.09	5.87	8/31/2022	7.25	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-11	8.09	5.87	9/6/2022	7.67	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-12	8.09	5.87	9/6/2022	7.39	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-13	8.09	5.87	9/7/2022	7.52	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-14	8.09	5.87	9/6/2022	7.35	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-15R	8.09	5.87	8/31/2022	7.6	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-16	8.09	5.87	8/30/2022	7.84	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-17	8.09	5.87	8/30/2022	9.18	Yes	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-18	8.09	5.87	8/30/2022	6.65	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-19	8.09	5.87	8/30/2022	7.1	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-20	8.09	5.87	8/30/2022	7.73	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-21	8.09	5.87	8/30/2022	7.45	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-22	8.09	5.87	8/30/2022	7.17	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-4	8.09	5.87	8/30/2022	6.85	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-5	8.09	5.87	8/30/2022	7.47	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-6	8.09	5.87	8/30/2022	7.6	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-7	8.09	5.87	8/30/2022	7.57	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-8	8.09	5.87	8/31/2022	7.44	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
pH (pH)	GN-AP-MW-9	8.09	5.87	8/31/2022	7.74	No	53	n/a	n/a	0	n/a	n/a	0.001298	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GN-AP-MW-10	14.31	n/a	8/31/2022	3.78	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-11	14.31	n/a	9/6/2022	61.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-12	14.31	n/a	9/6/2022	104	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-13	14.31	n/a	9/7/2022	0.641J	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-14	14.31	n/a	9/6/2022	148	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-15R	14.31	n/a	8/31/2022	225	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-16	14.31	n/a	8/30/2022	190	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-17	14.31	n/a	8/30/2022	415	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-18	14.31	n/a	8/30/2022	203	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-19	14.31	n/a	8/30/2022	27.5	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-20	14.31	n/a	8/30/2022	538	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-21	14.31	n/a	8/30/2022	129	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-22	14.31	n/a	8/30/2022	77.9	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-4	14.31	n/a	8/30/2022	12.1	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-5	14.31	n/a	8/30/2022	33.3	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-6	14.31	n/a	8/30/2022	123	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-7	14.31	n/a	8/30/2022	212	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-8	14.31	n/a	8/31/2022	1.14J	No	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
Sulfate (mg/L)	GN-AP-MW-9	14.31	n/a	8/31/2022	18.7	Yes	52	1.17	0.6808	3.846	None	ln(x)	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-10	184.5	n/a	8/31/2022	174	No	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-11	184.5	n/a	9/6/2022	226	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-12	184.5	n/a	9/6/2022	376	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-13	184.5	n/a	9/7/2022	192	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-14	184.5	n/a	9/6/2022	462	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-15R	184.5	n/a	8/31/2022	582	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-16	184.5	n/a	8/30/2022	425	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-17	184.5	n/a	8/30/2022	1420	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-18	184.5	n/a	8/30/2022	614	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-19	184.5	n/a	8/30/2022	238	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-20	184.5	n/a	8/30/2022	930	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-21	184.5	n/a	8/30/2022	390	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-22	184.5	n/a	8/30/2022	296	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-4	184.5	n/a	8/30/2022	240	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-5	184.5	n/a	8/30/2022	237	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-6	184.5	n/a	8/30/2022	400	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-7	184.5	n/a	8/30/2022	319	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-8	184.5	n/a	8/31/2022	246	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2
TDS (mg/L)	GN-AP-MW-9	184.5	n/a	8/31/2022	210	Yes	52	19564	6609	0	None	x^2	0.000396	Param Inter 1 of 2

Sanitas™ v.9.6.35 . UG
Hollow symbols indicate censored values.

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-20...

Prediction Limit
Interwell Non-parametric



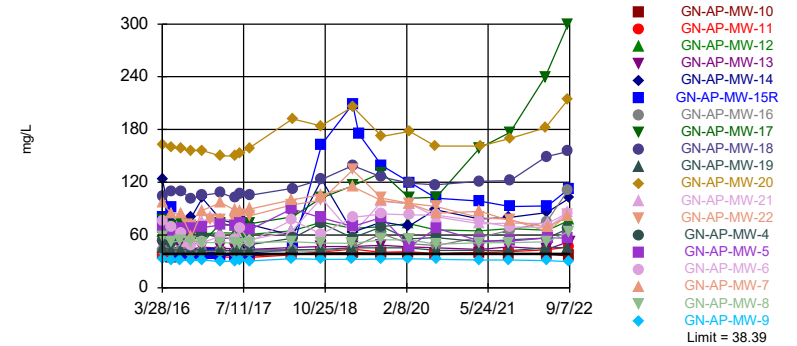
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 52 background values. 98.08% NDs. Annual per-constituent alpha = 0.02514. Individual comparison alpha = 0.0006697 (1 of 2). Comparing 19 points to limit.

Constituent: Boron Analysis Run 10/31/2022 2:42 PM View: Appendix III - PLS
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sanitas™ v.9.6.35 . UG

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17...

Prediction Limit
Interwell Parametric



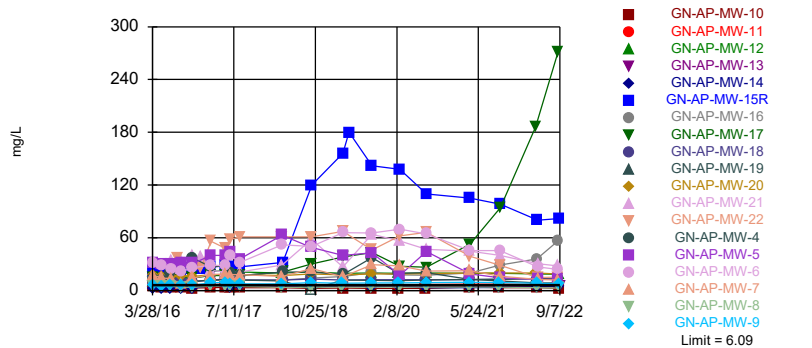
Background Data Summary (based on cube transformation): Mean=27760, Std. Dev.=13149, n=51. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9583, critical = 0.935. Kappa = 2.193 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Calcium Analysis Run 10/31/2022 2:42 PM View: Appendix III - PLS
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sanitas™ v.9.6.35 . UG
Hollow symbols indicate censored values.

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18, GN-AP-MW-19...

Prediction Limit
Interwell Non-parametric



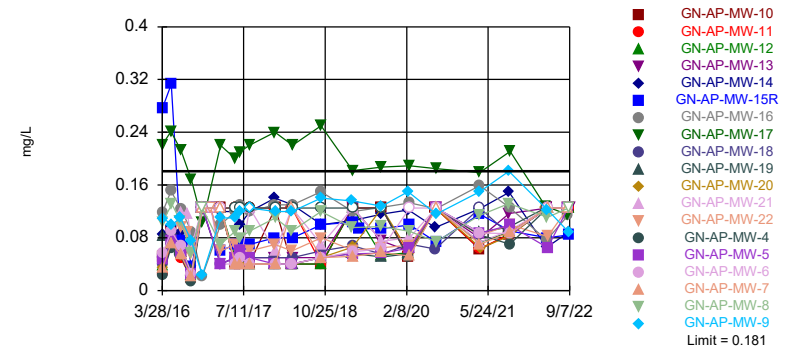
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 52 background values. 1.923% NDs. Annual per-constituent alpha = 0.02514. Individual comparison alpha = 0.0006697 (1 of 2). Comparing 19 points to limit.

Constituent: Chloride Analysis Run 10/31/2022 2:42 PM View: Appendix III - PLS
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sanitas™ v.9.6.35 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Interwell Non-parametric

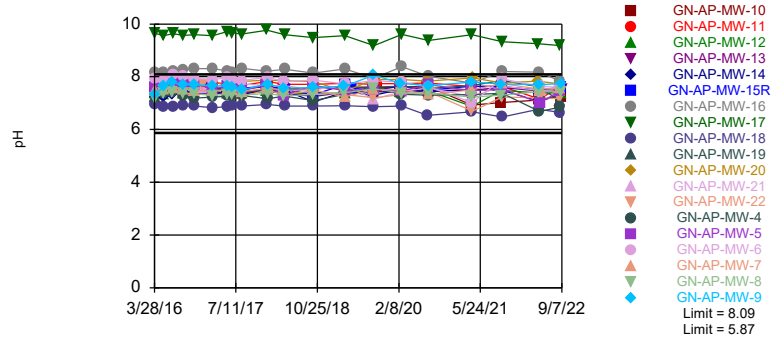


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 61.11% NDs. Annual per-constituent alpha = 0.02362. Individual comparison alpha = 0.0006288 (1 of 2). Comparing 19 points to limit.

Constituent: Fluoride Analysis Run 10/31/2022 2:42 PM View: Appendix III - PLS
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limits: GN-AP-MW-17

Prediction Limit Interwell Non-parametric



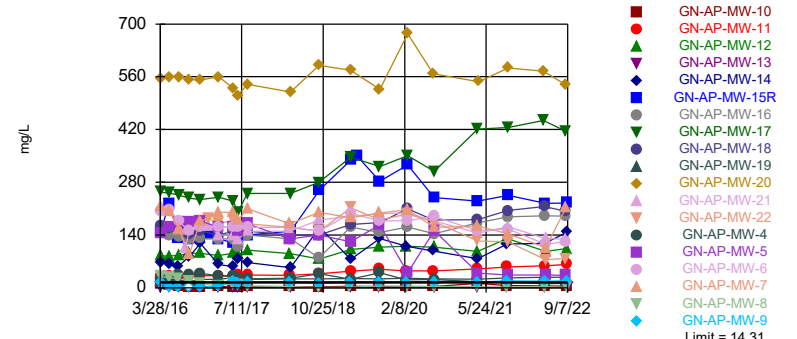
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 53 background values. Annual per-constituent alpha = 0.04875. Individual comparison alpha = 0.001298 (1 of 2). Comparing 19 points to limit.

Constituent: pH Analysis Run 10/31/2022 2:43 PM View: Appendix III - PLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Hollow symbols indicate censored values.

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17, GN-AP-MW-18...

Prediction Limit Interwell Parametric

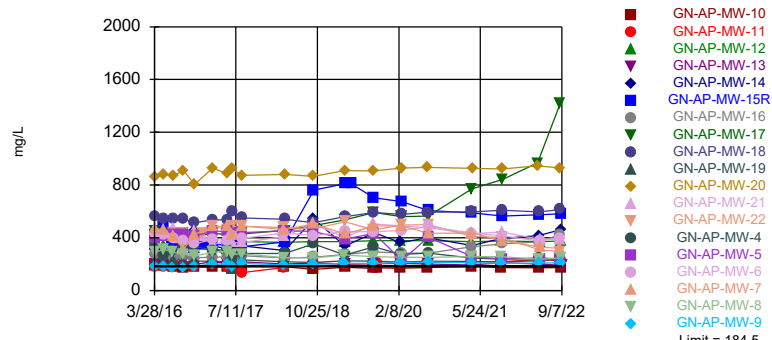


Background Data Summary (based on natural log transformation): Mean=1.17, Std. Dev.=0.6808, n=52, 3.846% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9591, critical = 0.937. Kappa = 2.19 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Sulfate Analysis Run 10/31/2022 2:43 PM View: Appendix III - PLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Exceeds Limit: GN-AP-MW-11, GN-AP-MW-12, GN-AP-MW-13, GN-AP-MW-14, GN-AP-MW-15R, GN-AP-MW-16, GN-AP-MW-17,...

Prediction Limit Interwell Parametric



Background Data Summary (based on square transformation): Mean=19564, Std. Dev.=6609, n=52. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9512, critical = 0.937. Kappa = 2.19 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: TDS Analysis Run 10/31/2022 2:43 PM View: Appendix III - PLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-19	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18
3/28/2016	<0.1015	0.103	0.0538 (J)	<0.1015	<0.1015				
3/29/2016						0.161	1.32	3.04	1.33
3/30/2016									
4/4/2016									
5/17/2016	<0.1015			<0.1015			1.35	3.1	1.37
5/18/2016			0.0252 (J)		<0.1015				
5/19/2016		0.169							
5/23/2016						0.197			
7/11/2016	<0.1015	0.829		<0.1015	<0.1015				
7/12/2016						0.17			
7/13/2016			<0.1015						
7/14/2016							1.32	2.96	
7/18/2016									1.31
8/22/2016		0.835							
9/12/2016									
9/13/2016	<0.1015		<0.1015			0.114	1.31	2.94	
9/14/2016		0.838		<0.1015	<0.1015				1.28
11/14/2016							1.34		1.31
11/15/2016	<0.1015	0.894				0.0853 (J)			
11/16/2016			<0.1015	<0.1015	<0.1015			2.96	
1/3/2017		0.897							
2/27/2017	<0.1015	0.897	<0.1015						
2/28/2017						0.0452 (J)	1.28	2.92	1.29
3/1/2017				<0.1015	<0.1015				
5/22/2017		0.892	<0.1015						
5/23/2017				<0.1015	<0.1015				
5/24/2017	<0.1015					0.113	1.24	2.66	1.17
6/19/2017				<0.1015	<0.1015		1.26	2.7	1.24
6/20/2017		0.91				0.0853 (J)			
6/21/2017	<0.1015		<0.1015						
8/14/2017		0.906	<0.1015				1.24	2.64	1.19
8/15/2017	<0.1015			<0.1015	<0.1015	0.0862 (J)			
8/16/2017									
4/16/2018									
4/17/2018						0.0649 (J)			
4/19/2018	<0.1015	0.991	0.0258 (J)	<0.1015	<0.1015		1.34	2.87	1.3
10/1/2018						0.03 (J)	1.29	2.83	1.26
10/2/2018			<0.1015						
10/3/2018				<0.1015	<0.1015				
10/4/2018									
10/5/2018	<0.1015	4.34							
4/1/2019			<0.1015		<0.1015	0.0345 (J)			
4/2/2019				<0.1015					
4/3/2019	<0.1015	4.18					1.32	2.92	1.27
5/7/2019		4.13							
9/16/2019							1.4		
9/17/2019	<0.1015			<0.1015		0.0439 (J)		3.25	
9/18/2019		3.47	<0.1015		<0.1015				1.47
2/17/2020									
2/18/2020			<0.1015						
2/19/2020	<0.1015			<0.1015					
2/25/2020		3.13				<0.1015	1.39		1.38

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-20	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7
2/26/2020							0.84	2.94	1.99
7/22/2020	3.86	<0.1015		0.205					
7/23/2020									
7/27/2020			<0.1015		0.444	0.3			
7/28/2020							2.05	2.79	1.81
7/29/2020									
4/5/2021		0.0854 (J)		0.271	0.427	0.2			
4/6/2021			<0.1015						
4/7/2021							0.885	2.4	1.9
4/12/2021	4.29								
4/13/2021									
9/21/2021		0.0378 (J)		0.283					
9/22/2021			<0.1015		0.447				
9/27/2021						0.149	0.721	2.03	1.52
9/28/2021	4.32								
9/29/2021									
4/19/2022									
4/20/2022	4.49								
4/26/2022									
4/27/2022									
5/2/2022		0.0352 (J)	<0.1015	0.324		0.109			
5/3/2022					0.465		0.562	1.81	1.3
8/29/2022									
8/30/2022	4.33					0.112	0.562	1.72	1.26
8/31/2022		<0.1015							
9/6/2022				0.326	0.459				
9/7/2022			<0.1015						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-19	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18
3/28/2016	124	79.7	46	31.6	34.2				
3/29/2016						58.2	43.2	77.4	104
3/30/2016									
4/4/2016									
5/17/2016	74.6			29.6			41.4	70.3	110
5/18/2016			42.9		32.6				
5/19/2016		91.5							
5/23/2016						52.1			
7/11/2016	68.9	38.1		30	32.5				
7/12/2016						53.6			
7/13/2016			43.1						
7/14/2016							41.9	73	
7/18/2016									109
8/22/2016		37.3							
9/12/2016									
9/13/2016	80.3		44.1			53	39.6	70.7	
9/14/2016		36.5		30.6	32.1				101
11/14/2016							41		105
11/15/2016	102	36.8				51.5			
11/16/2016			42.7	30.4	33.4			51.7	
1/3/2017		38							
2/27/2017	77.9	36.8	43.1						
2/28/2017						51.4	41.8	73.1	108
3/1/2017				<0.5 (o)	33.3				
5/22/2017		36.9	41.9						
5/23/2017				30.1	32.7				
5/24/2017	72.9					50.8	39.8	70.6	102
6/19/2017				29.9	32.6		40.2	67.7	107
6/20/2017		36.9				49.8			
6/21/2017	80		41.8						
8/14/2017		39.5	43				41.3	72.8	105
8/15/2017	72.1			28.1	31.5	51.6			
8/16/2017									
4/16/2018									
4/17/2018						52.2			
4/19/2018	59.6	43.4	43.2	31.2	34.2		42.3	80.8	113
10/1/2018						50.8	41.5	102	123
10/2/2018			43.8						
10/3/2018				32.3	38.6				
10/4/2018									
10/5/2018	123	163							
4/1/2019			45.6		35.8	50.5			
4/2/2019				31.6					
4/3/2019	63.1	209					45.7	116	139
5/7/2019		175							
9/16/2019							61.3		
9/17/2019	74.9			31.7		54.5		131	
9/18/2019		139	45.6		35				126
2/17/2020									
2/18/2020			45.5						
2/19/2020	69.9			32.3					
2/25/2020		120				54.7	50		119

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-20	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7
2/26/2020							46.8	83.1	95.8
7/22/2020	161	38.5		39					
7/23/2020									
7/27/2020			45.5		65.7	57			
7/28/2020							67.8	82.5	84.9
7/29/2020									
4/5/2021		40		40.1	64.8	52.2			
4/6/2021			43.8						
4/7/2021							53.3	75.5	86.8
4/12/2021	161								
4/13/2021									
9/21/2021		38.4		40.9					
9/22/2021			46.6		67.3				
9/27/2021						54.4	53.1	69.2	76.2
9/28/2021	170								
9/29/2021									
4/19/2022									
4/20/2022	182								
4/26/2022									
4/27/2022									
5/2/2022		37.8	44.1	43.4		56.8			
5/3/2022					65.3		56.6	68.8	69
8/29/2022									
8/30/2022	214					67.400002	56.599998	84.599998	81.199997
8/31/2022		36.400002							
9/6/2022				46.700001	76.800003				
9/7/2022			52.700001						

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-19	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18
3/28/2016	2.11	21.9	9.86	2.48	1.73				
3/29/2016						5.14	10.8	14.7	11.1
3/30/2016									
4/4/2016									
5/17/2016	2.38			1.9			10	13.8	10.3
5/18/2016			9.4		1.4				
5/19/2016		20.9							
5/23/2016						5.03			
7/11/2016	2.42	23		1.93	1.73				
7/12/2016						4.66			
7/13/2016			10.3						
7/14/2016							10.1	13.8	
7/18/2016									10.3
8/22/2016		23.3							
9/12/2016									
9/13/2016	2.34		9.68			3.98	10.4	14.1	
9/14/2016		23.6		1.77	2.24				10.3
11/14/2016							10.4		10.3
11/15/2016	2.55	23.8				3.71			
11/16/2016			10.2	1.98	3.57			14.2	
1/3/2017		24.1							
2/27/2017	5.8	27	12						
2/28/2017						5.2	12	17	12
3/1/2017				2.3	3.4				
5/22/2017		28	12						
5/23/2017				2.2	2.4				
5/24/2017	5.9					5.4	12	17	13
6/19/2017				1.7 (J)	1.9 (J)		11	16	12
6/20/2017		27				5			
6/21/2017	3.6		12						
8/14/2017		27	12				12	17	12
8/15/2017	4.9			2.1	5.4	4.6			
8/16/2017									
4/16/2018									
4/17/2018						3.6			
4/19/2018	6.5	32	11	1.7 (J)	1.8 (J)		12	21	12
10/1/2018						3.9	14	30	13
10/2/2018			<2						
10/3/2018				1.7 (J)	<2				
10/4/2018									
10/5/2018	3.5	120							
4/1/2019			11.9		1.36	3.9			
4/2/2019				1.65					
4/3/2019	5.72	156					15.9	38	12.1
5/7/2019		180							
9/16/2019							20.4		
9/17/2019	4.16			1.93		3.96		43.2	
9/18/2019		142	11.6		1.53				12.2
2/17/2020									
2/18/2020			11.4						
2/19/2020	4.9			1.81					
2/25/2020		138				3.81	17.7		12.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-20	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7
2/26/2020							17.5	69.7	28
7/22/2020	19.3	2.53		6.75					
7/23/2020									
7/27/2020			5.2		19.8	20.2			
7/28/2020							44.2	64.2	22.3
7/29/2020									
4/5/2021		3.88		7.09	19.7	12.8			
4/6/2021			5.06						
4/7/2021							18.8	45.5	22.4
4/12/2021	19.8								
4/13/2021									
9/21/2021		3.39		7.14					
9/22/2021			4.8		19.7				
9/27/2021						11	14.6	45.3	16.5
9/28/2021	20								
9/29/2021									
4/19/2022									
4/20/2022	19.9								
4/26/2022									
4/27/2022									
5/2/2022		3.2	4.32	6.86		8.75			
5/3/2022					18.9		12.8	26.9	12.6
8/29/2022									
8/30/2022	19					8.56	12.6	23.9	12
8/31/2022		2.43							
9/6/2022				7.27	18.4				
9/7/2022			4.55						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-19	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18
3/28/2016	0.084 (J)	0.276 (J)	0.083 (J)	0.032 (J)	0.028 (J)				
3/29/2016						0.104 (J)	0.118 (J)	0.221 (J)	0.04 (J)
3/30/2016									
4/4/2016									
5/17/2016	0.098 (J)			0.068 (J)			0.151 (J)	0.241 (J)	0.079 (J)
5/18/2016			0.092 (J)		0.064 (J)				
5/19/2016		0.313							
5/23/2016						0.131 (J)			
7/11/2016	0.086 (J)	0.076 (J)		0.057 (J)	0.054 (J)				
7/12/2016						0.105 (J)			
7/13/2016			0.064 (J)						
7/14/2016							0.124 (J)	0.213 (J)	
7/18/2016									0.058 (J)
8/22/2016		0.067 (J)							
9/12/2016									
9/13/2016	0.061 (J)		0.03 (J)			0.057 (J)	0.089 (J)	0.168 (J)	
9/14/2016		0.036 (J)		0.017 (J)	0.016 (J)				0.025 (J)
11/14/2016							0.022 (J)		<0.125
11/15/2016	<0.125	<0.125				<0.125			
11/16/2016			<0.125	<0.125	<0.125			0.103 (J)	
1/3/2017		<0.125							
2/27/2017	0.12	0.06 (J)	<0.125						
2/28/2017						0.07 (J)	0.1	0.22	0.04 (J)
3/1/2017				<0.125	<0.125				
5/22/2017		0.07 (J)	0.04 (J)						
5/23/2017				<0.125	<0.125				
5/24/2017	0.12					0.09 (J)	0.12	0.2	0.05 (J)
6/19/2017				<0.125	<0.125		0.13	0.21	0.05 (J)
6/20/2017		0.07 (J)				0.08 (J)			
6/21/2017	0.1		0.05 (J)						
8/14/2017		0.07 (J)	0.04 (J)				0.12	0.22	0.05 (J)
8/15/2017	0.12			<0.125	<0.125	0.09 (J)			
8/16/2017									
1/9/2018	0.14	0.08 (J)					0.13	0.24	0.05 (J)
1/10/2018			0.04 (J)	<0.125	<0.125	0.11			
4/16/2018									
4/17/2018						0.09 (J)			
4/19/2018	0.13	0.08 (J)	0.04 (J)	<0.125	<0.125		0.13	0.22	0.05 (J)
10/1/2018						0.12	0.15	0.25	0.06 (J)
10/2/2018			0.05 (J)						
10/3/2018				<0.125	0.04 (J)				
10/4/2018									
10/5/2018	0.1	0.1							
4/1/2019			0.0563 (J)		<0.125	0.0956 (J)			
4/2/2019				<0.125					
4/3/2019	0.106	0.104					0.12	0.182	0.0678 (J)
5/7/2019		0.0937 (J)							
9/16/2019							0.126		
9/17/2019	0.116			<0.125		0.0971 (J)		0.187	
9/18/2019		0.094 (J)	0.0507 (J)		<0.125				0.0551 (J)
2/17/2020									
2/18/2020			0.0557 (J)						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-20	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7
3/28/2016									
3/29/2016	0.035 (J)								
3/30/2016		0.052 (J)	0.042 (J)	0.026 (J)	0.039 (J)	0.023 (J)	0.048 (J)	0.056 (J)	0.034 (J)
4/4/2016									
5/17/2016		0.088 (J)				0.065 (J)			
5/18/2016	0.076 (J)		0.08 (J)	0.068 (J)	0.078 (J)				
5/19/2016								0.09 (J)	0.072 (J)
5/23/2016							0.076 (J)		
7/11/2016						0.054 (J)			
7/12/2016									
7/13/2016	0.053 (J)	0.06 (J)		0.049 (J)	0.058 (J)			0.067 (J)	0.054 (J)
7/14/2016			0.06 (J)				0.058 (J)		
7/18/2016									
8/22/2016									
9/12/2016			0.028 (J)		0.023 (J)				
9/13/2016		0.019 (J)		0.018 (J)			0.025 (J)	0.026 (J)	0.021 (J)
9/14/2016	0.022 (J)					0.014 (J)			
11/14/2016	<0.125		<0.125	<0.125	<0.125				
11/15/2016		<0.125					<0.125	<0.125	<0.125
11/16/2016						<0.125			
1/3/2017									
2/27/2017									
2/28/2017	<0.125	<0.125	0.04 (J)	<0.125	<0.125	<0.125			
3/1/2017							0.04 (J)	<0.125	<0.125
5/22/2017		0.04 (J)		<0.125					
5/23/2017							0.05 (J)	0.04 (J)	0.04 (J)
5/24/2017	0.04 (J)		0.05 (J)		0.05 (J)	<0.125			
6/19/2017	0.04 (J)	0.04 (J)		<0.125					
6/20/2017							0.06 (J)	0.05 (J)	0.04 (J)
6/21/2017			0.05 (J)		0.05 (J)	<0.125			
8/14/2017	0.04 (J)	0.04 (J)	0.05 (J)	<0.125	0.04 (J)				
8/15/2017						<0.125	0.05 (J)	0.04 (J)	0.04 (J)
8/16/2017									
1/9/2018	0.04 (J)		0.05 (J)	<0.125	0.04 (J)		0.04 (J)		
1/10/2018		<0.125				<0.125		0.04 (J)	0.04 (J)
4/16/2018		0.04 (J)		<0.125	0.04 (J)				
4/17/2018							0.04 (J)	0.04 (J)	<0.125
4/19/2018	0.04 (J)		0.05 (J)			<0.125			
10/1/2018	0.05 (J)						0.05 (J)		
10/2/2018		0.04 (J)							
10/3/2018						<0.125			
10/4/2018				0.04 (J)	0.04 (J)			0.05 (J)	0.05 (J)
10/5/2018			0.05 (J)						
4/1/2019									
4/2/2019						<0.125	0.0555 (J)	0.0586 (J)	0.052 (J)
4/3/2019	0.0657 (J)	<0.125	<0.125	<0.125	<0.125				
5/7/2019									
9/16/2019		<0.125		<0.125	0.0538 (J)				
9/17/2019			0.0753 (J)			<0.125			
9/18/2019	<0.125						0.0568 (J)	0.0634 (J)	0.0578 (J)
2/17/2020		0.051 (J)		0.0546 (J)					
2/18/2020					0.0571 (J)	0.0506 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-20	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7
2/19/2020			0.06 (J)						
2/25/2020	0.0566 (J)								
2/26/2020							0.0647 (J)	<0.125	0.0523 (J)
7/22/2020	<0.125	<0.125		<0.125					
7/23/2020									
7/27/2020			<0.125		<0.125	<0.125			
7/28/2020							<0.125	<0.125	<0.125
7/29/2020									
4/5/2021		0.0627 (J)		0.0634 (J)	0.0733 (J)	0.0842 (J)			
4/6/2021			0.0794 (J)						
4/7/2021							0.0874 (J)	0.0872 (J)	0.0705 (J)
4/12/2021	0.0644 (J)								
4/13/2021									
9/21/2021		0.0847 (J)		0.0847 (J)					
9/22/2021			0.117		0.0887 (J)				
9/27/2021						0.0702 (J)	0.0989 (J)	0.0862 (J)	0.0882 (J)
9/28/2021	0.0828 (J)								
9/29/2021									
4/19/2022									
4/20/2022	<0.125								
4/26/2022									
4/27/2022									
5/2/2022		<0.125	<0.125	<0.125		<0.125			
5/3/2022					<0.125		0.0648 (J)	<0.125	<0.125
8/29/2022									
8/30/2022	<0.125					<0.125	<0.125	<0.125	<0.125
8/31/2022		<0.125							
9/6/2022				<0.125	<0.125				
9/7/2022			<0.125						

Prediction Limit

Constituent: pH (pH) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-18	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-5	GN-AP-MW-7	GN-AP-MW-13	GN-AP-MW-4	GN-AP-MW-6	GN-AP-MW-12
3/28/2016									
3/29/2016	6.95								
3/30/2016		7.45	7.63	7.61	7.45	7.27	7.31	7.95	7.39
4/4/2016									
5/17/2016	6.87	7.68					7.35		
5/18/2016			7.64			7.37			7.34
5/19/2016					7.5			7.88	
5/23/2016				7.68					
7/11/2016							7.43		
7/12/2016									
7/13/2016		7.71	7.84		7.58			8.07	7.52
7/14/2016				7.79		7.51			
7/18/2016	6.85								
8/22/2016									
9/12/2016						7.39			7.39
9/13/2016		7.53	7.69	7.69	7.53			8.04	
9/14/2016	6.9						7.26		
11/14/2016	6.89		7.7			7.37			7.42
11/15/2016		7.53		7.72	7.48			7.93	
11/16/2016							7.19		
1/3/2017									
2/27/2017									
2/28/2017	6.83	7.58	7.79			7.32	7.23		7.46
3/1/2017				7.55	7.46			7.89	
5/22/2017		7.51	7.72						
5/23/2017				7.64	7.51			7.96	
5/24/2017	6.87					7.44	7.26		7.39
6/19/2017	6.89	7.53	7.73						
6/20/2017				7.5	7.52			7.87	
6/21/2017						7.39	7.26		7.36
8/14/2017	6.89	7.52	7.67			7.39			7.36
8/15/2017				7.46	7.43		7.29	7.86	
8/16/2017									
1/9/2018	6.95		7.82	7.71		7.5			7.45
1/10/2018		7.64			7.57		7.17	7.98	
4/16/2018		7.54	7.71						7.36
4/17/2018				7.29	7.5			7.82	
4/19/2018	6.89					7.38	7.27		
10/1/2018	6.89			7.68					
10/2/2018		7.54							
10/3/2018							7.09		
10/4/2018			7.71		7.49			7.87	7.37
10/5/2018						7.25			
4/1/2019									
4/2/2019				7.47	7.24		7.34	7.73	
4/3/2019	6.9	7.6	7.75			7.41			7.37
5/7/2019									
9/16/2019		7.6	7.71						7.44
9/17/2019						7.45	7.65		
9/18/2019	6.86			7.53	7.52			7.85	
10/8/2019		7.59	7.74						
2/17/2020		7.61	7.74						

Prediction Limit

Constituent: pH (pH) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-18	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-5	GN-AP-MW-7	GN-AP-MW-13	GN-AP-MW-4	GN-AP-MW-6	GN-AP-MW-12
2/18/2020							7.34		7.42
2/19/2020						7.42			
2/25/2020	6.89								
2/26/2020				7.47	7.51			7.8	
7/22/2020	6.54	7.64	7.76						
7/23/2020									
7/27/2020						7.48	7.3		7.47
7/28/2020				7.7	7.32			7.62	
7/29/2020									
4/5/2021		6.93	7.63				7.33		6.88
4/6/2021	6.67					7.5			
4/7/2021				7.47	7.51			7.02	
4/12/2021									
4/13/2021									
9/21/2021		7.02	7.64						
9/22/2021						7.59			7.48
9/27/2021				7.55	7.74		7.37	7.92	
9/28/2021	6.48								
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022	6.77								
4/27/2022									
5/2/2022		7.12	7.16			7.46	6.68		
5/3/2022				7.01	7.53			7.63	7.39
8/29/2022									
8/30/2022	6.65			7.47	7.57		6.85	7.6	
8/31/2022		7.25							
9/6/2022			7.67						7.39
9/7/2022						7.52			

Prediction Limit

Constituent: pH (pH) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-39 (bg)	GN-AP-MW-40 (bg)	GN-AP-MW-41 (bg)	GN-AP-MW-38 (bg)	GN-AP-MW-42 (bg)
3/28/2016								
3/29/2016								
3/30/2016								
4/4/2016	7.32							
5/17/2016								
5/18/2016								
5/19/2016								
5/23/2016	7.66							
7/11/2016								
7/12/2016	7.77							
7/13/2016		7.83						
7/14/2016			7.74					
7/18/2016								
8/22/2016		7.86	7.55					
9/12/2016								
9/13/2016	7.7	7.75	7.63					
9/14/2016								
11/14/2016								
11/15/2016	7.69	7.66	7.74					
11/16/2016								
1/3/2017		7.57	7.69					
2/27/2017								
2/28/2017	7.66							
3/1/2017		7.53	7.47					
5/22/2017								
5/23/2017		7.78	7.5					
5/24/2017	7.64							
6/19/2017								
6/20/2017	7.62	7.82	7.37					
6/21/2017								
8/14/2017								
8/15/2017		7.73	7.26					
8/16/2017	7.51							
1/9/2018			7.49					
1/10/2018	7.72	7.67						
4/16/2018								
4/17/2018	7.57	7.66	7.33					
4/19/2018								
10/1/2018	7.59							
10/2/2018								
10/3/2018								
10/4/2018		7.51	7.47					
10/5/2018								
4/1/2019	7.64							
4/2/2019		7.67	7.33					
4/3/2019								
5/7/2019								
9/16/2019								
9/17/2019	8.07							
9/18/2019		7.15	7.21					
10/8/2019								
2/17/2020	7.75							

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLS

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-19	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-8	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18
3/28/2016	66.6	147	16.8	7.57	2.09				
3/29/2016						29.9	146	254	163
3/30/2016									
4/4/2016									
5/17/2016	63.9			5.12			140	251	159
5/18/2016			14.9		1.92				
5/19/2016		224							
5/23/2016						26.5			
7/11/2016	57.6	133		4.63	3.41				
7/12/2016						24.3			
7/13/2016			24.2						
7/14/2016							135	246	
7/18/2016									154
8/22/2016		134							
9/12/2016									
9/13/2016	82.8		16.8			17.8	129	238	
9/14/2016		130		3.19	4.94				143
11/14/2016							131		151
11/15/2016	118	132				10.1			
11/16/2016			21.7	3.71	10.5			234	
1/3/2017		143							
2/27/2017	62 (J)	130	23						
2/28/2017						5.8	130	240	140
3/1/2017				3.4 (J)	5.1				
5/22/2017		120	26						
5/23/2017				2 (J)	2.3 (J)				
5/24/2017	56					11	130	230	150
6/19/2017				2.5 (J)	2.1 (J)		110	200	140
6/20/2017		120				7.9			
6/21/2017	75		20						
8/14/2017		140	22				140	250	150
8/15/2017	67			2.4 (J)	1.7 (J)	5			
8/16/2017									
4/16/2018									
4/17/2018						2.9 (J)			
4/19/2018	53	150	24	1.9 (J)	<2		130	250	140
10/1/2018						<2	80	280	140
10/2/2018			24						
10/3/2018				2.7 (J)	1.7 (J)				
10/4/2018									
10/5/2018	160	260							
4/1/2019			24.4		1.87	1.8			
4/2/2019				3.24					
4/3/2019	75.2	339					161	346	168
5/7/2019		351							
9/16/2019							147		
9/17/2019	131			4.51		4.62		322	
9/18/2019		283	23.6		2.39				173
2/17/2020									
2/18/2020			25.6						
2/19/2020	110			3.73					
2/25/2020		326				3.89	161		210

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-20	GN-AP-MW-10	GN-AP-MW-13	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7
2/26/2020							39.8	178	207
7/22/2020	568	3.65		45.3					
7/23/2020									
7/27/2020			<2		108	21.7			
7/28/2020							152	189	160
7/29/2020									
4/5/2021		11.4		50.1	96.8	15.6			
4/6/2021			<2						
4/7/2021							38.7	151	164
4/12/2021	547								
4/13/2021									
9/21/2021		5.56		55.4					
9/22/2021			0.521 (J)		131				
9/27/2021						14.3	33.5	156	143
9/28/2021	583								
9/29/2021									
4/19/2022									
4/20/2022	575								
4/26/2022									
4/27/2022									
5/2/2022		4.75	<2	58.3		11.1			
5/3/2022					97		34	115	107
8/29/2022									
8/30/2022	538					12.1	33.299999	123	212
8/31/2022		3.78							
9/6/2022				61.900002	104				
9/7/2022			0.641 (J)						

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-19	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-3 (bg)	GN-AP-MW-2 (bg)	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-20
3/28/2016	213	308	426	147	138				
3/29/2016						277	451	560	862
3/30/2016									
4/4/2016									
5/17/2016		314		140		261	432	540	
5/18/2016	206				156				882
5/19/2016			496						
5/23/2016									
7/11/2016		319	359	146	167				
7/12/2016									
7/13/2016	225								874
7/14/2016						255	434		
7/18/2016								546	
8/22/2016			349						
9/12/2016									
9/13/2016	212	354				264	432		
9/14/2016			340	141	166			542	908
11/14/2016						249		514	804
11/15/2016		452	324						
11/16/2016	224			157	192		412		
1/3/2017			348						
2/27/2017	223	339	347						
2/28/2017						251	434	536	930
3/1/2017				148	186				
5/22/2017	219		348						
5/23/2017				141	158				
5/24/2017		316				257	425	536	886
6/19/2017				126	156	258	424	598	924
6/20/2017			343						
6/21/2017	164	376							
8/14/2017	232		332			263	428	550	872
8/15/2017		340		146	168				
8/16/2017									
4/16/2018									
4/17/2018									
4/19/2018	218	304	369	143	154	247	455	540	880
10/1/2018						252	492	514	866
10/2/2018	212								
10/3/2018				148	156				
10/4/2018									
10/5/2018		544	762						
4/1/2019	225				160				
4/2/2019				140					
4/3/2019		336	810			273	536	560	910
5/7/2019			810						
9/16/2019						293			
9/17/2019		439		145			592		
9/18/2019	222		704		154			592	908
10/8/2019									
2/17/2020									
2/18/2020	215								
2/19/2020		363		149					

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-13	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-10
3/28/2016									
3/29/2016	290								
3/30/2016		339	398	430	472	202	353	184	195
4/4/2016									
5/17/2016		269							189
5/18/2016						207	343	186	
5/19/2016				422	458				
5/23/2016	312		411						
7/11/2016		305							
7/12/2016	292								
7/13/2016				391	412		352	192	179
7/14/2016			424			203			
7/18/2016									
8/22/2016									
9/12/2016						205	346		
9/13/2016	276		426	378	312			187	168
9/14/2016		326							
11/14/2016						197	322	185	
11/15/2016	262		412	354	426				180
11/16/2016		338							
1/3/2017									
2/27/2017									
2/28/2017	290	303				221	353	198	180
3/1/2017			452	389	487				
5/22/2017								185	178
5/23/2017			448	375	487				
5/24/2017	296	312				204	234		
6/19/2017								189	165
6/20/2017	273		437	416	421				
6/21/2017		241				218	372		
8/14/2017						217	372	135	185
8/15/2017	279	281	440	394	490				
8/16/2017									
4/16/2018							365	174	181
4/17/2018	250		454	437	464				
4/19/2018		282				201			
10/1/2018	246		449						
10/2/2018									161
10/3/2018		354							
10/4/2018				418	504		372	208	
10/5/2018						208			
4/1/2019	268								
4/2/2019		270	390	447	428				
4/3/2019						201	372	200	177
5/7/2019									
9/16/2019							377	207	168
9/17/2019	257	332				204			
9/18/2019			434	445	489				
10/8/2019								207 (D)	172
2/17/2020								209	170
2/18/2020		274					378		
2/19/2020						206			

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/31/2022 2:56 PM View: Appendix III - PLs
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-8	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-13	GN-AP-MW-12	GN-AP-MW-11	GN-AP-MW-10
2/25/2020	252								
2/26/2020			228	455	490				
7/22/2020								216	175
7/23/2020									
7/27/2020		284				202	378		
7/28/2020			406	485	434				
7/29/2020	253								
4/5/2021		248					372	217	184
4/6/2021	256					193			
4/7/2021			256	436	436				
4/12/2021									
4/13/2021									
9/21/2021	256							217	174
9/22/2021						210	375		
9/27/2021		237	240	415	379				
9/28/2021									
9/29/2021									
4/19/2022									
4/20/2022									
4/26/2022									
4/27/2022									
5/2/2022	237	248				201		234	173
5/3/2022			239	376	329		371		
8/29/2022									
8/30/2022		240	237	400	319				
8/31/2022	246								174
9/6/2022							376	226	
9/7/2022						192			

FIGURE E.

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03322	134	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03166	146	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.3292	134	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1429	108	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-11	1.384	88	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.494	91	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	3.556	105	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	19.95	118	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.465	102	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-11	0.1684	98	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	10.23	144	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.249	144	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	8.479	141	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.3191	117	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5005	97	74	Yes	19	5.263	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.4914	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.4507	85	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-11	4.428	141	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.171	94	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.27	96	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.09	93	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-20.46	-101	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	1.924	113	74	Yes	19	5.263	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-11	6.576	127	81	Yes	20	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	4.817	91	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	14.73	92	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	52.42	115	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-18	11.47	86	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.29	83	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-7.62	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	5.538	107	74	Yes	19	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GN-AP-MW-11	0.03322	134	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-12	0.03166	146	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-15R	0.3292	134	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-16	0.01934	69	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-17	0.07731	51	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-18	0.04718	65	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-2 (bg)	0	0	43	No	13	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-20	0.1429	108	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-21	0.01327	7	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-22	-0.02523	-13	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-3 (bg)	0	0	74	No	19	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-38 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-39 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-4	-0.03531	-53	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-40 (bg)	0.02437	3	8	No	4	75	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-41 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-42 (bg)	0	0	8	No	4	100	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-5	-0.1759	-54	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-6	-0.05229	-27	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	GN-AP-MW-7	-0.009235	-6	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-11	1.384	88	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-12	1.494	91	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-13	0.1235	15	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-14	0.7361	11	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-15R	9.553	83	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-16	3.556	105	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-17	19.95	118	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-18	4.465	102	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-19	0.07046	16	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-2 (bg)	0.6928	22	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-20	3.712	62	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-21	3.326	49	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-22	4.368	62	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-3 (bg)	0.09481	19	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-38 (bg)	0.01285	0	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-39 (bg)	0.7677	5	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-4	0.3478	27	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-40 (bg)	-0.9941	-5	-8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-41 (bg)	2.894	2	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-42 (bg)	0.2362	0	8	No	4	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-5	-1.804	-25	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-6	3.129	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-7	-0.5251	-13	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GN-AP-MW-8	-0.1286	-13	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-11	0.1684	98	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-12	-0.195	-53	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-15R	10.23	144	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-16	2.249	144	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-17	8.479	141	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-18	0.3191	117	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-19	0.5005	97	74	Yes	19	5.263	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-2 (bg)	-0.1215	-9	-43	No	13	7.692	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-20	0.4914	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-21	1.174	23	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-22	1.563	20	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-3 (bg)	-0.04854	-66	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-38 (bg)	-1.325	-4	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-39 (bg)	-0.6463	-4	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-4	-1.912	-56	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-40 (bg)	-1.266	-6	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-41 (bg)	-0.6301	-6	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-42 (bg)	-0.5383	-6	-8	No	4	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-5	-2.26	-24	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-6	4.092	47	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-7	0.7982	25	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GN-AP-MW-9	0.4507	85	74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-17	-0.05513	-81	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-2 (bg)	-0.02103	-11	-48	No	14	0	n/a	n/a	0.01	NP

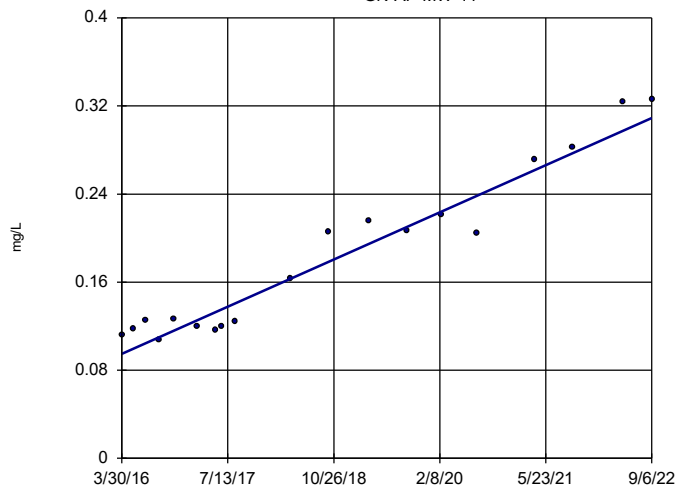
Trend Tests - Prediction Limit Exceedances - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/31/2022, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH (pH)	GN-AP-MW-3 (bg)	-0.005505	-20	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-38 (bg)	0.08835	2	8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-39 (bg)	-0.1121	-1	-8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-40 (bg)	0.05464	0	8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-41 (bg)	0.2764	2	8	No	4	0	n/a	n/a	0.01	NP
pH (pH)	GN-AP-MW-42 (bg)	-0.1773	-2	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-11	4.428	141	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-12	4.171	94	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-14	8.862	70	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-15R	17.55	76	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-16	7.949	74	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-17	31.27	96	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-18	8.718	68	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-19	1.09	93	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-2 (bg)	-0.2042	-15	-43	No	13	7.692	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-20	2.409	14	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-21	1.351	11	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-22	-9.72	-54	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-3 (bg)	-0.2406	-49	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-38 (bg)	-5.826	-4	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-39 (bg)	-1.917	-4	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-40 (bg)	-2.583	-4	-8	No	4	25	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-41 (bg)	-0.3324	-2	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-42 (bg)	-1.587	-4	-8	No	4	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-5	-20.46	-101	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-6	-4.695	-58	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-7	-3.628	-26	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GN-AP-MW-9	1.924	113	74	Yes	19	5.263	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-11	6.576	127	81	Yes	20	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-12	4.817	91	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-13	-0.9102	-38	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-14	16.38	73	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-15R	38.66	61	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-16	14.73	92	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-17	52.42	115	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-18	11.47	86	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-19	1.29	39	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-2 (bg)	-1.254	-10	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-20	10.29	83	74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-21	1.978	7	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-22	-4.46	-6	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-3 (bg)	0	-1	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-38 (bg)	-20.3	-4	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-39 (bg)	-5.222	-4	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-4	-12.03	-72	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-40 (bg)	-16.32	-6	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-41 (bg)	-4.378	0	8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-42 (bg)	-4.367	-2	-8	No	4	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-5	-17.59	-53	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-6	5.651	35	74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-7	-8.773	-17	-74	No	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-8	-7.62	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
TDS (mg/L)	GN-AP-MW-9	5.538	107	74	Yes	19	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

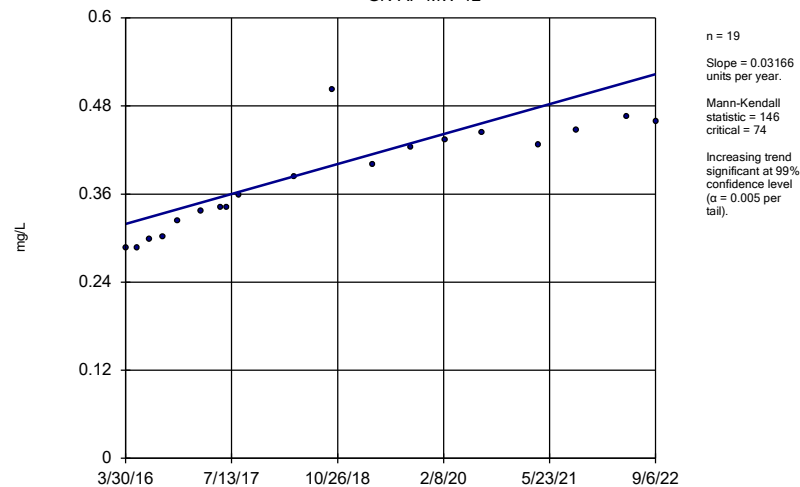
GN-AP-MW-11



Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

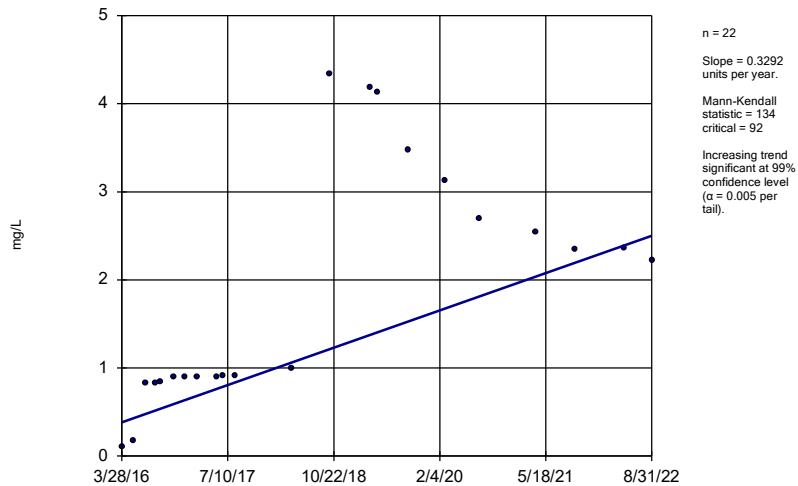
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

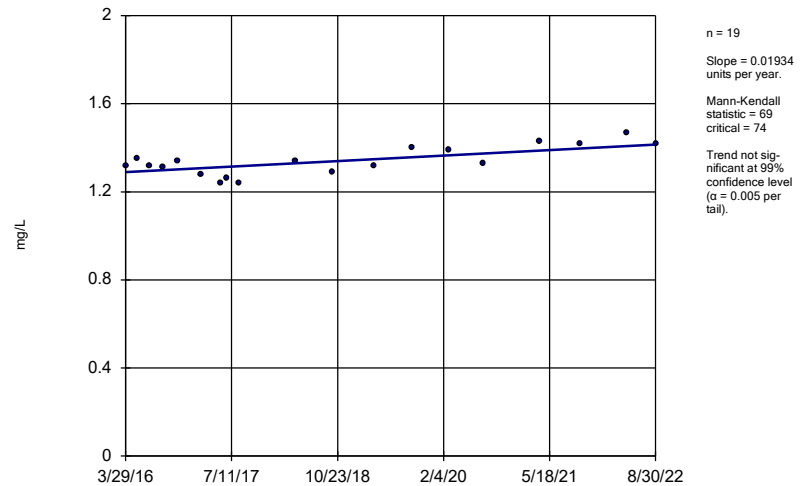
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

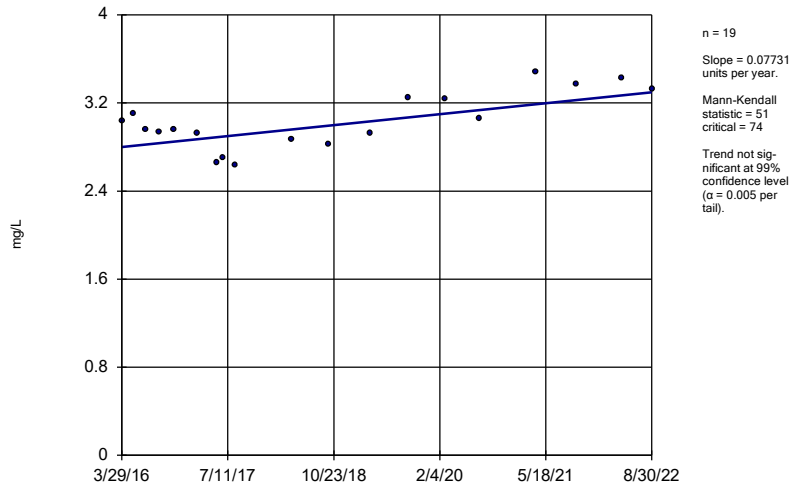
Sen's Slope Estimator

GN-AP-MW-16



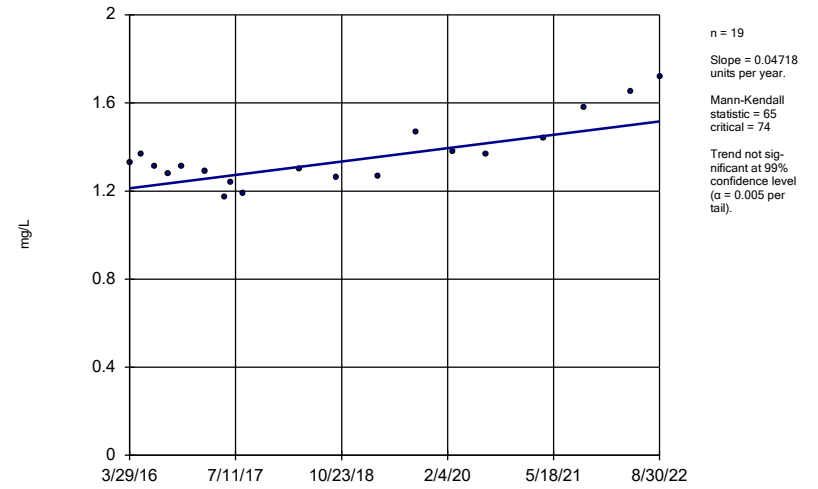
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-17



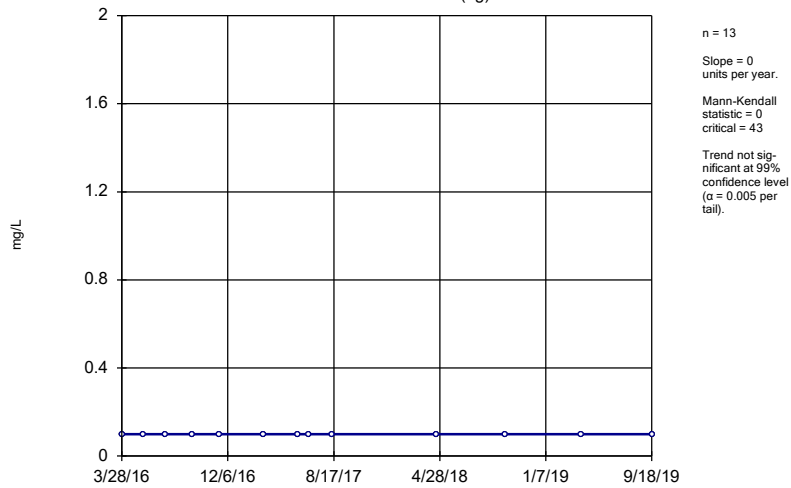
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-18



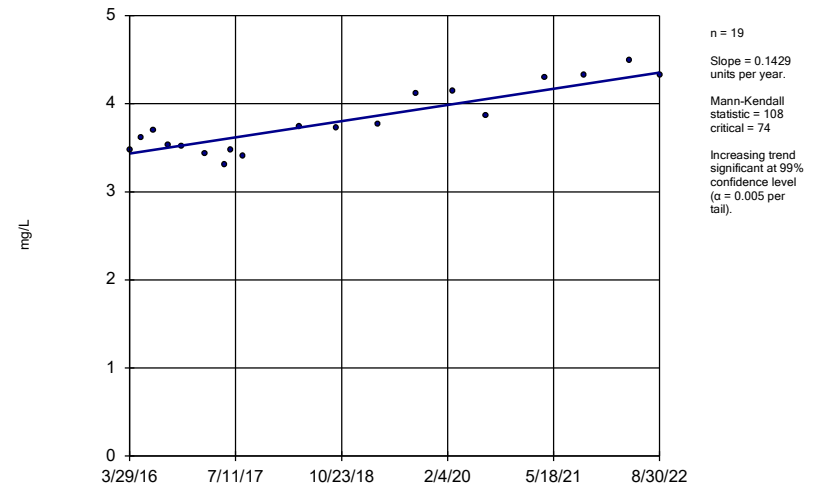
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-2 (bg)



Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

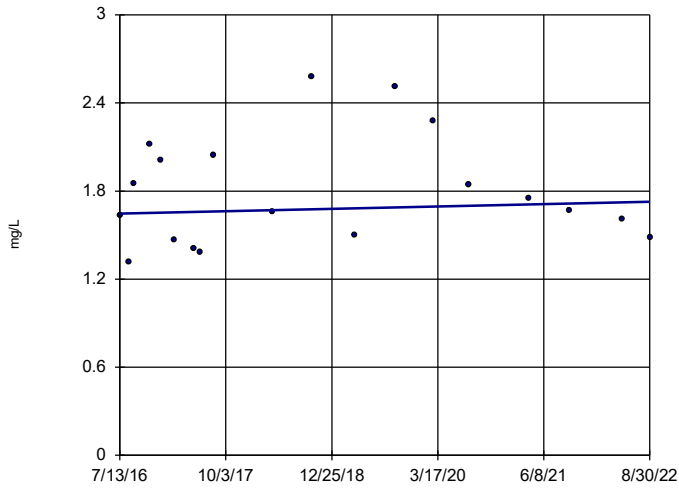
Sen's Slope Estimator GN-AP-MW-20



Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-21

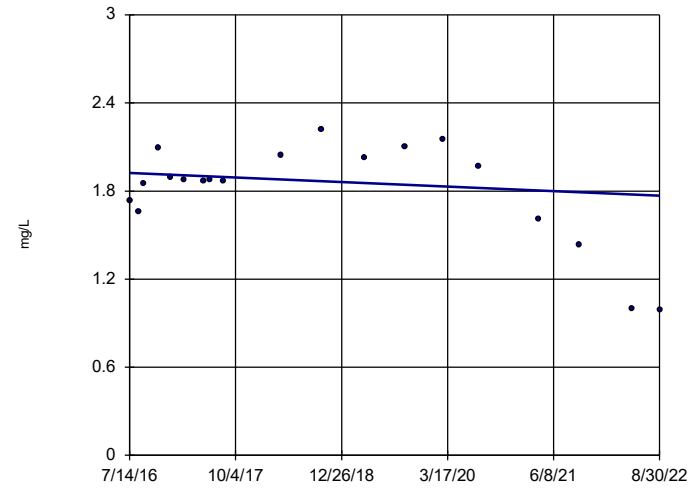


n = 19
 Slope = 0.01327
 units per year.
 Mann-Kendall
 statistic = 7
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-22



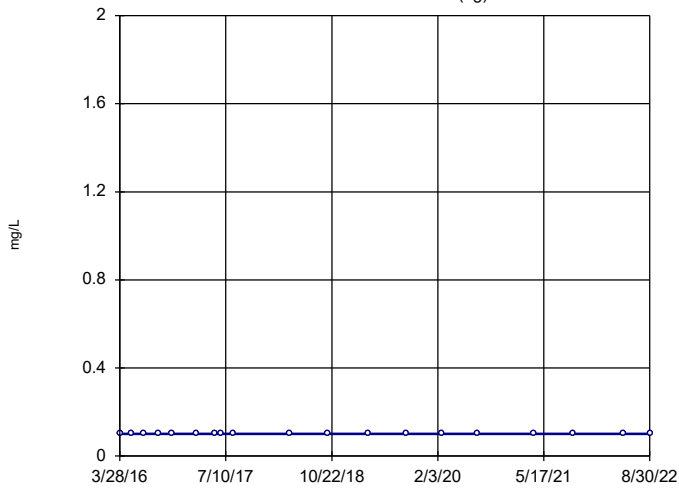
n = 19
 Slope = -0.02523
 units per year.
 Mann-Kendall
 statistic = -13
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

GN-AP-MW-3 (bg)



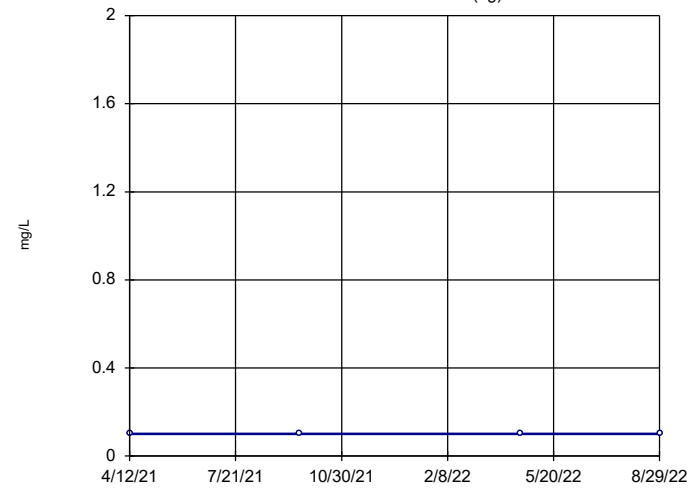
n = 19
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 0
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

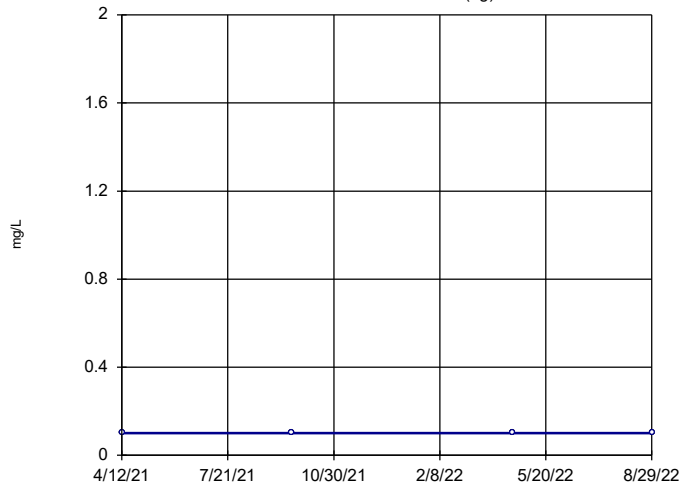
GN-AP-MW-38 (bg)



n = 4
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 0
 critical = 8
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

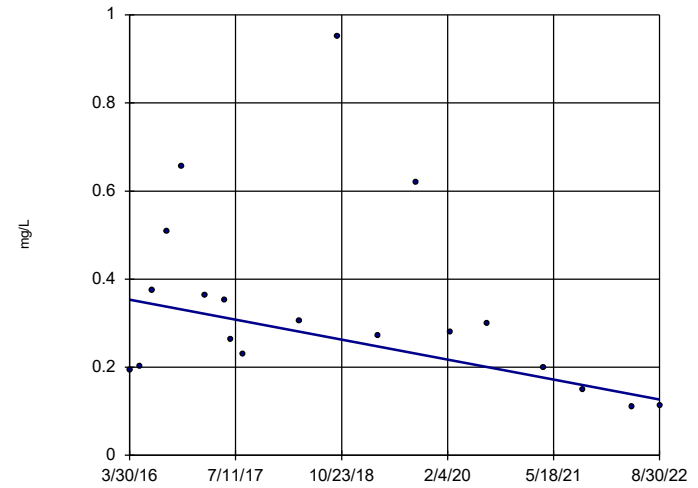
Sen's Slope Estimator GN-AP-MW-39 (bg)



n = 4
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 8
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

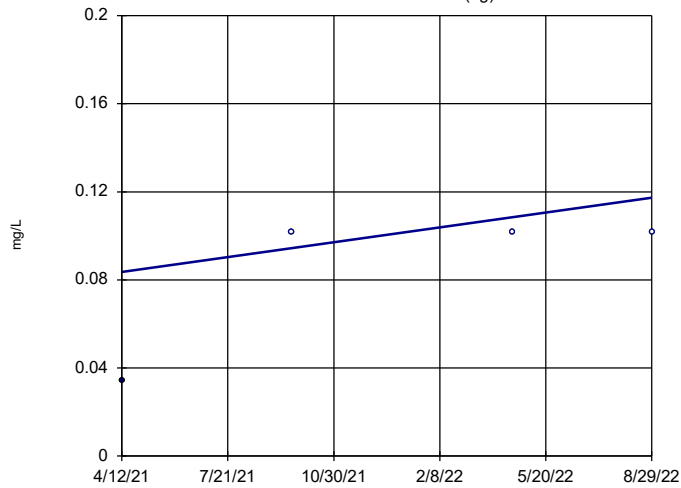
Sen's Slope Estimator GN-AP-MW-4



n = 19
Slope = -0.03531
units per year.
Mann-Kendall
statistic = -.53
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 10/31/2022 2:58 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

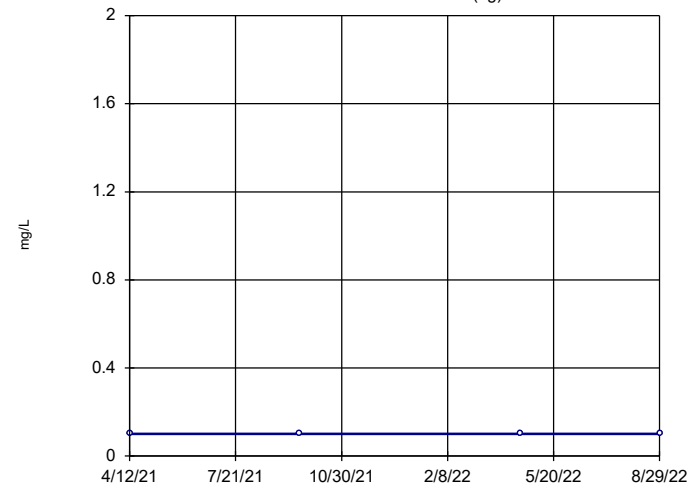
Sen's Slope Estimator GN-AP-MW-40 (bg)



n = 4
Slope = 0.02437
units per year.
Mann-Kendall
statistic = 3
critical = 8
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Boron Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

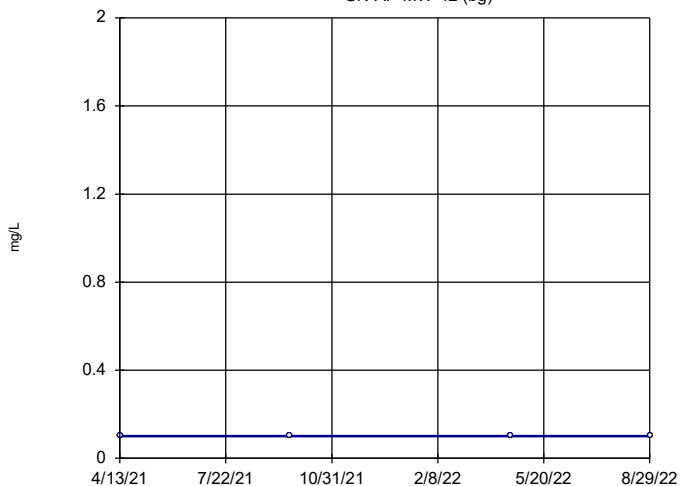
Sen's Slope Estimator GN-AP-MW-41 (bg)



n = 4
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 8
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

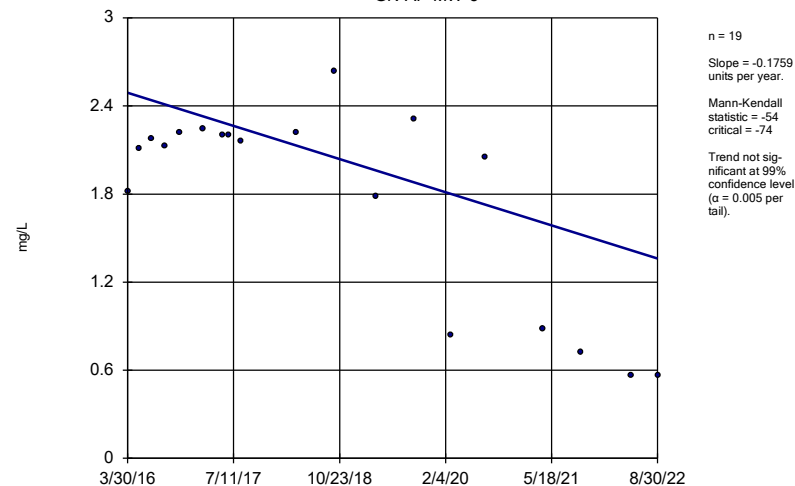
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-42 (bg)



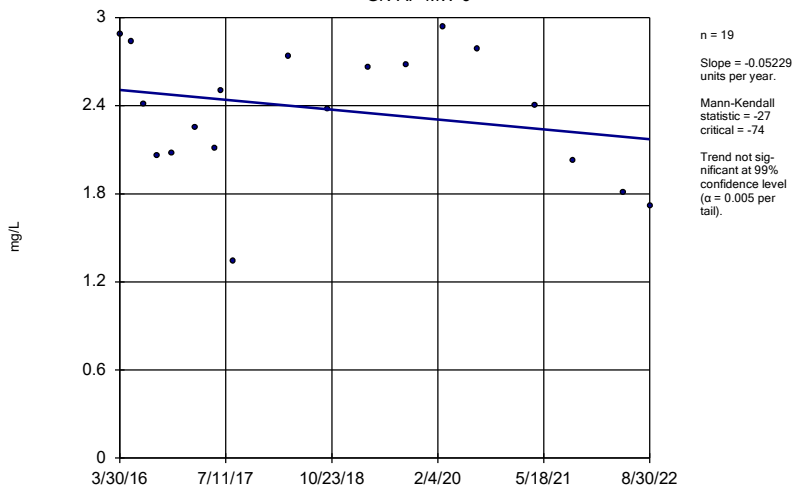
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-5



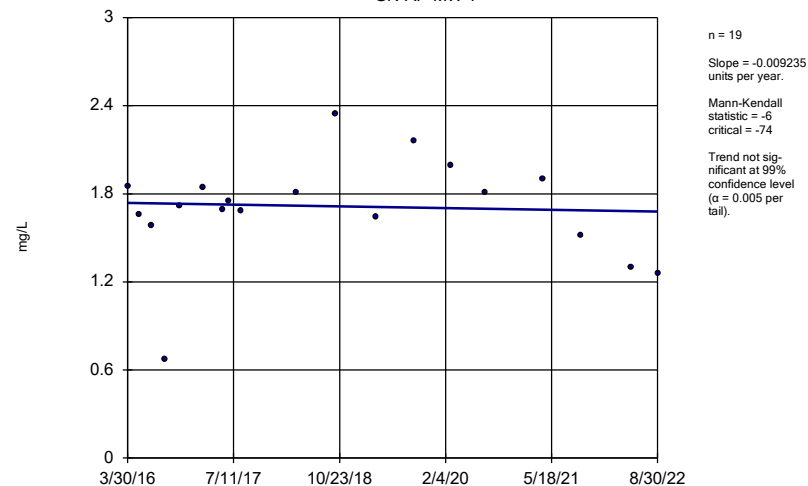
Constituent: Boron Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-6



Constituent: Boron Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

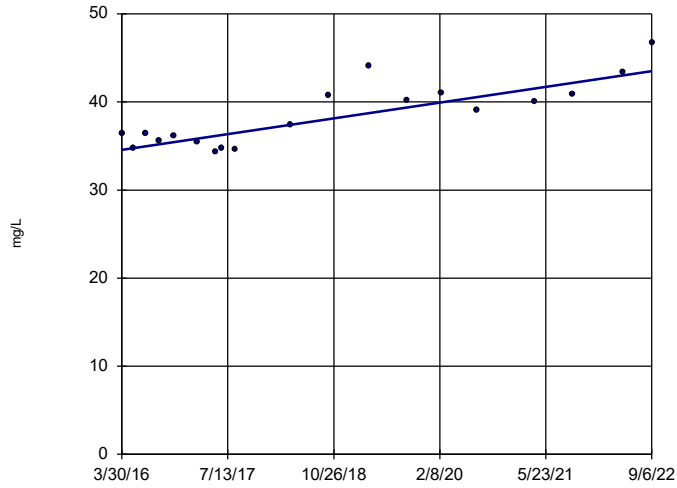
Sen's Slope Estimator GN-AP-MW-7



Constituent: Boron Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-11

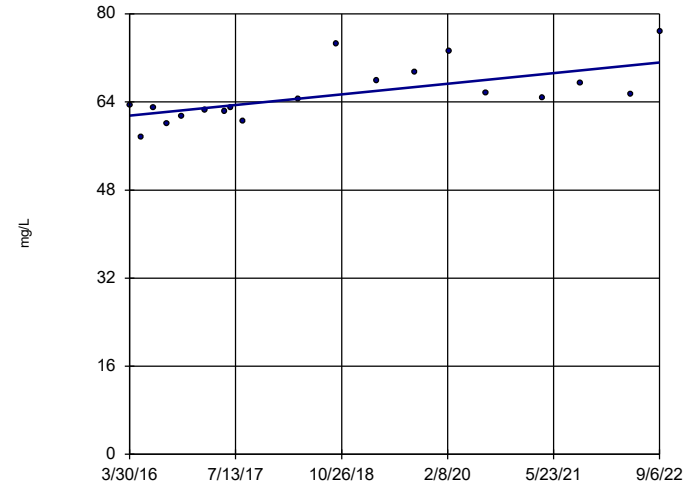


n = 19
 Slope = 1.384
 units per year.
 Mann-Kendall
 statistic = 88
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-12

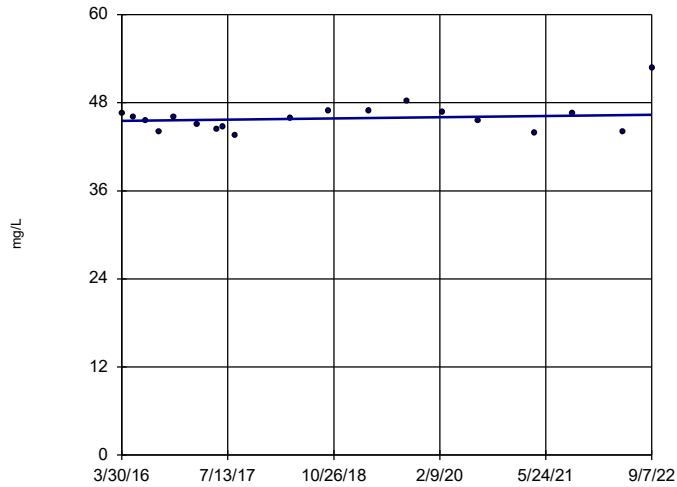


n = 19
 Slope = 1.494
 units per year.
 Mann-Kendall
 statistic = 91
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-13

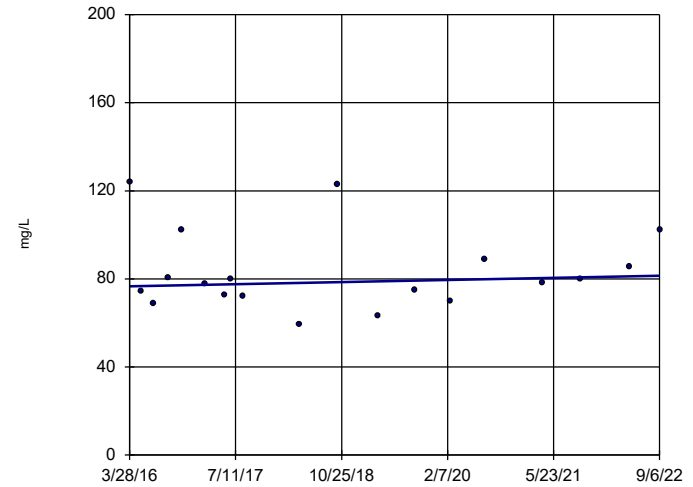


n = 19
 Slope = 0.1235
 units per year.
 Mann-Kendall
 statistic = 15
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

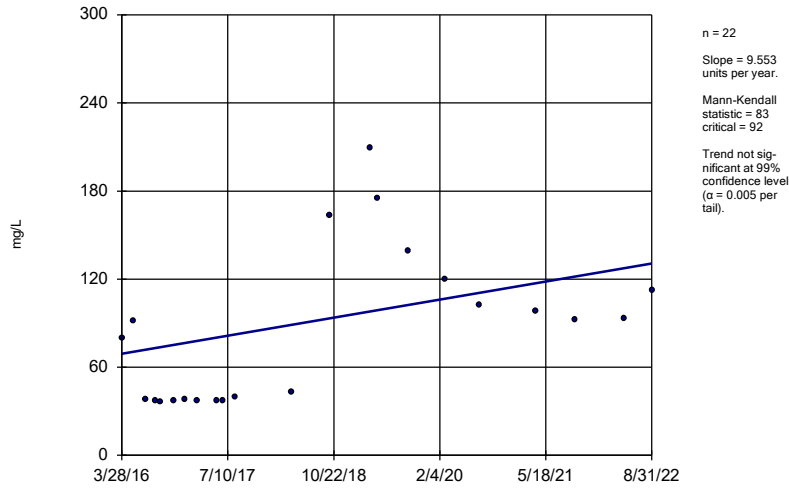
GN-AP-MW-14



n = 19
 Slope = 0.7361
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

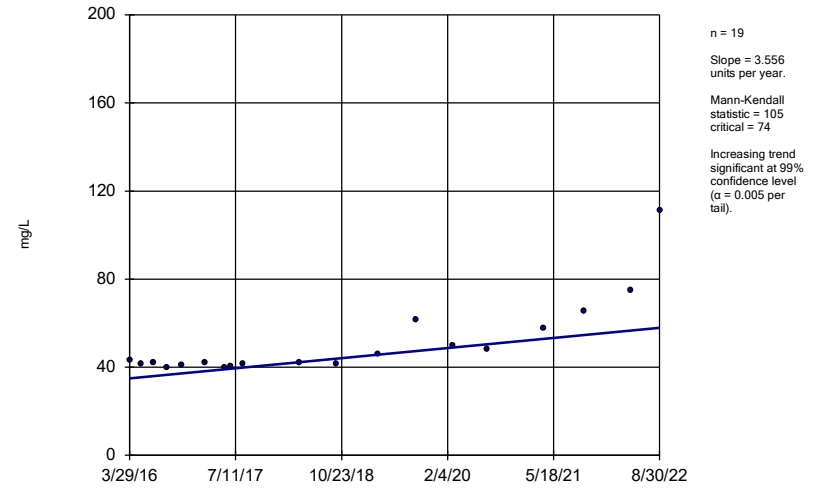
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-15R



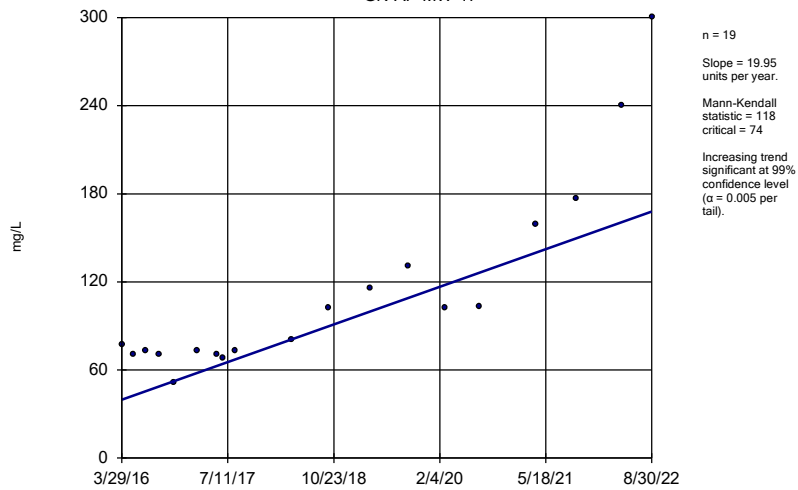
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-16



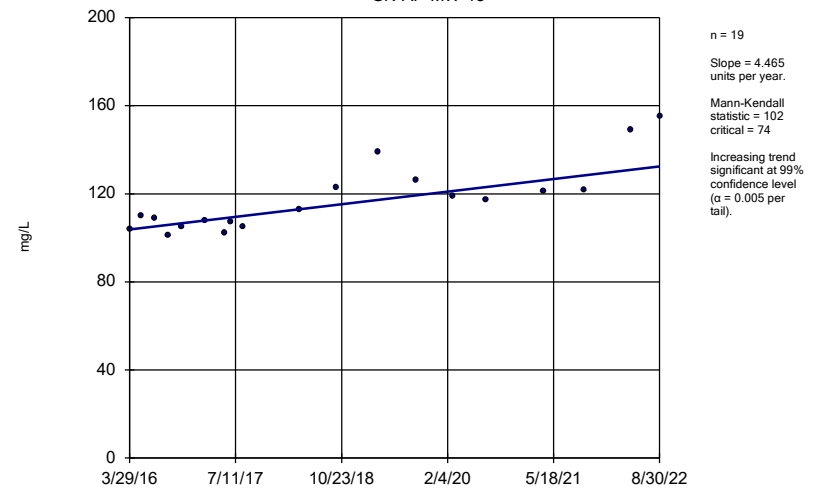
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-17



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

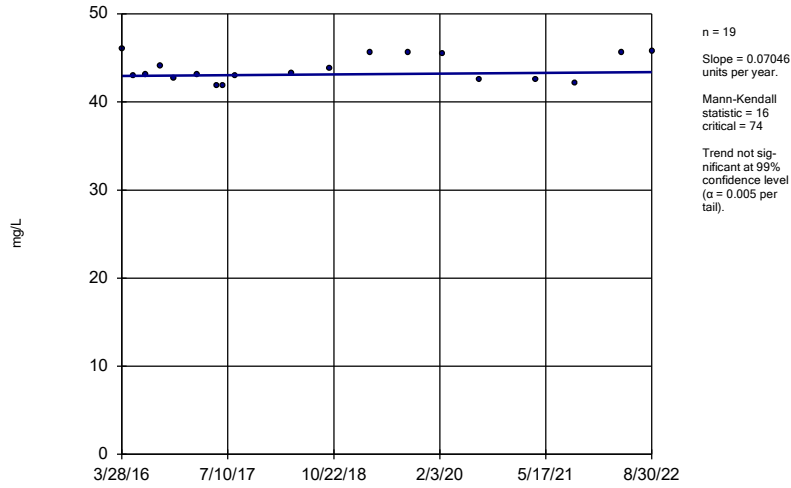
Sen's Slope Estimator GN-AP-MW-18



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

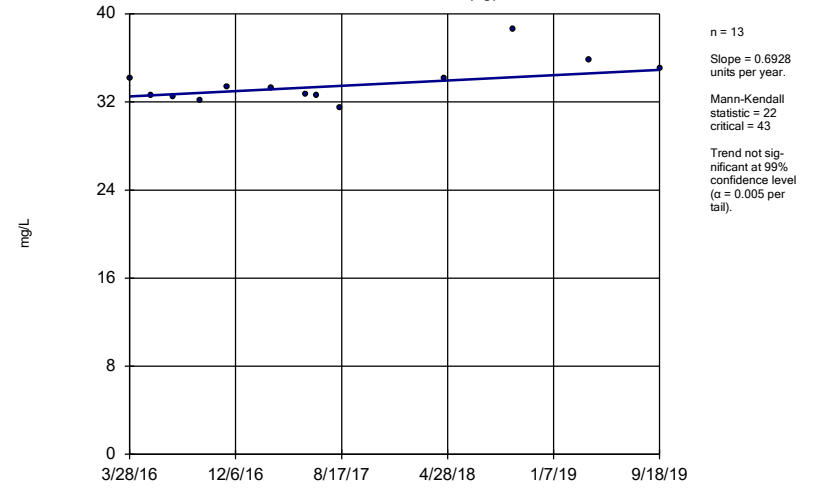
GN-AP-MW-19



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

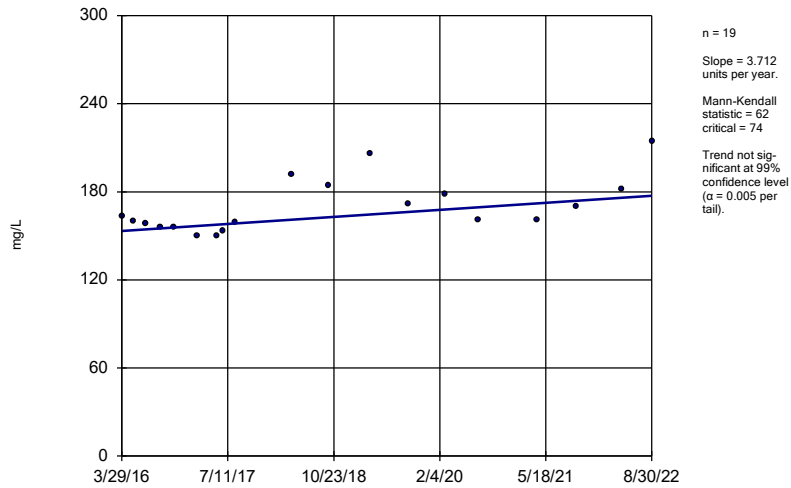
GN-AP-MW-2 (bg)



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

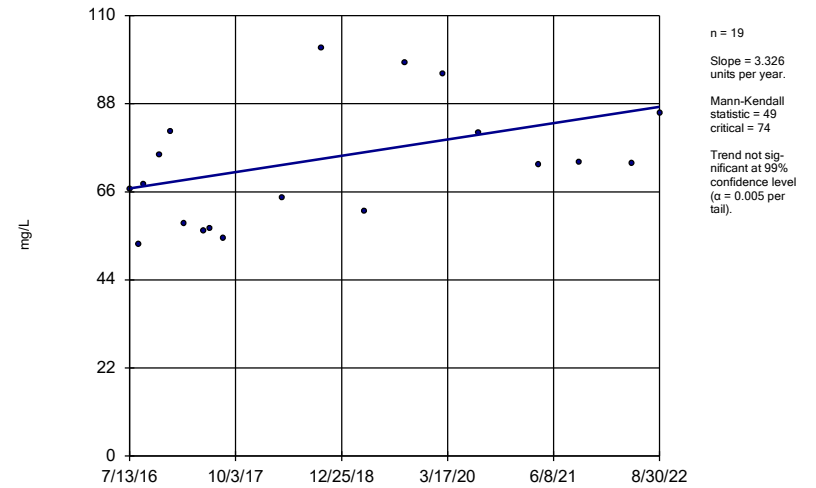
GN-AP-MW-20



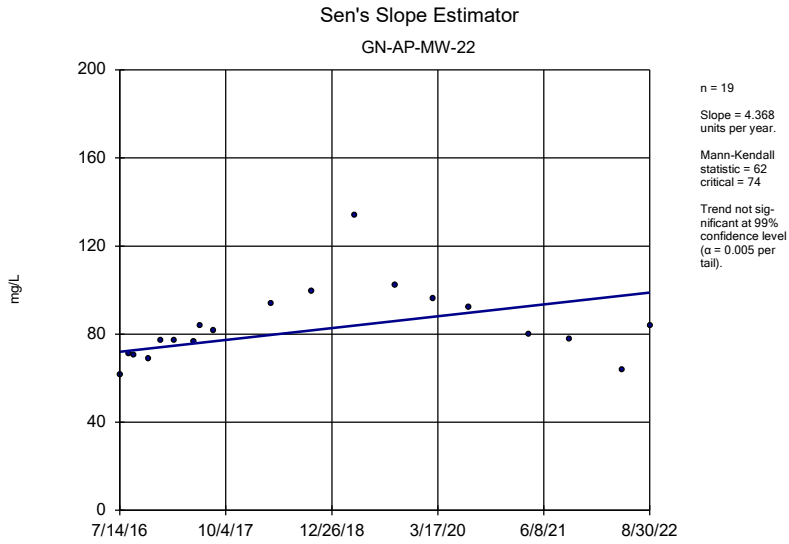
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

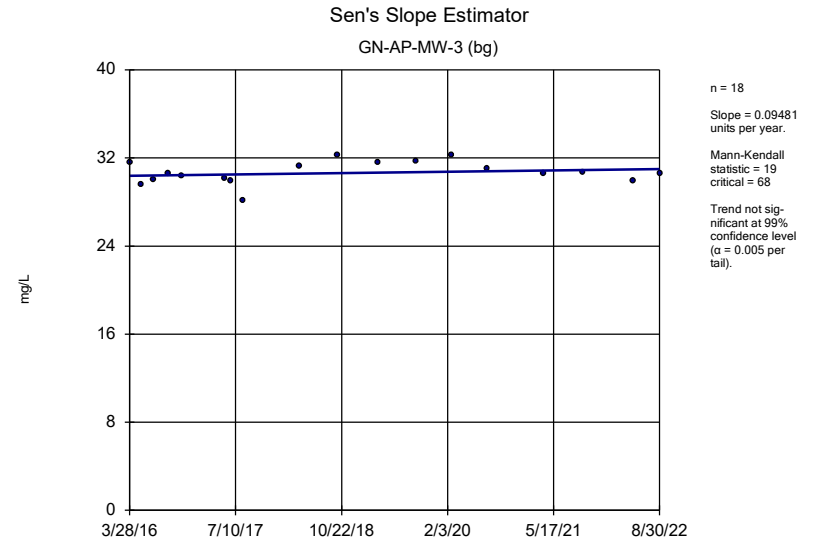
GN-AP-MW-21



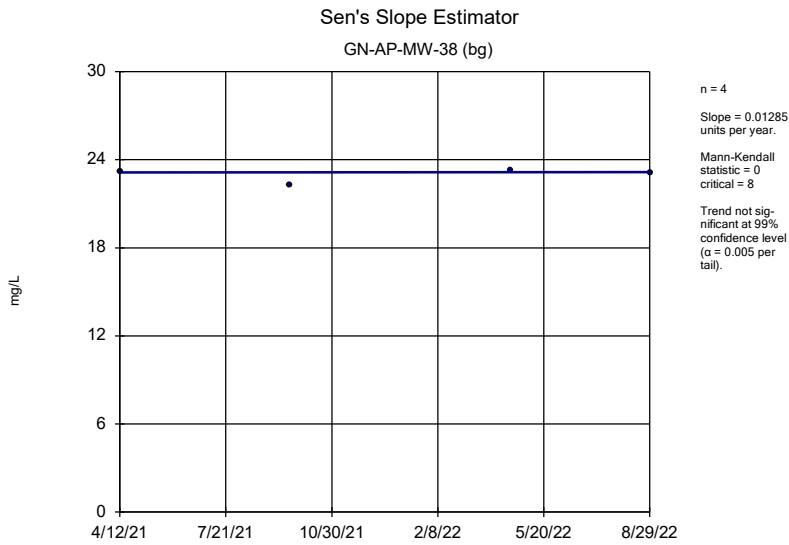
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



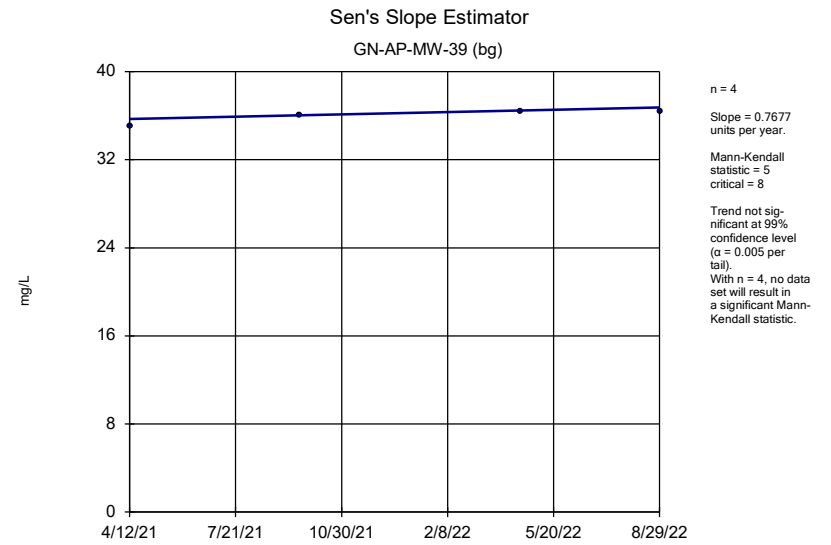
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

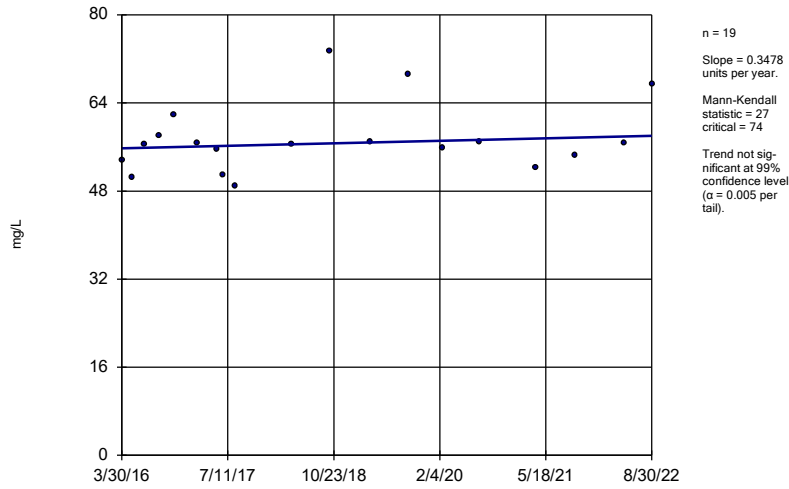


Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



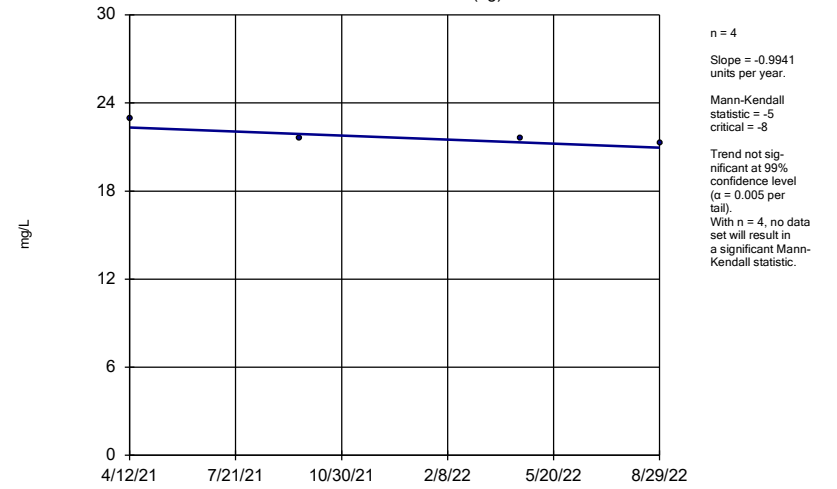
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-4



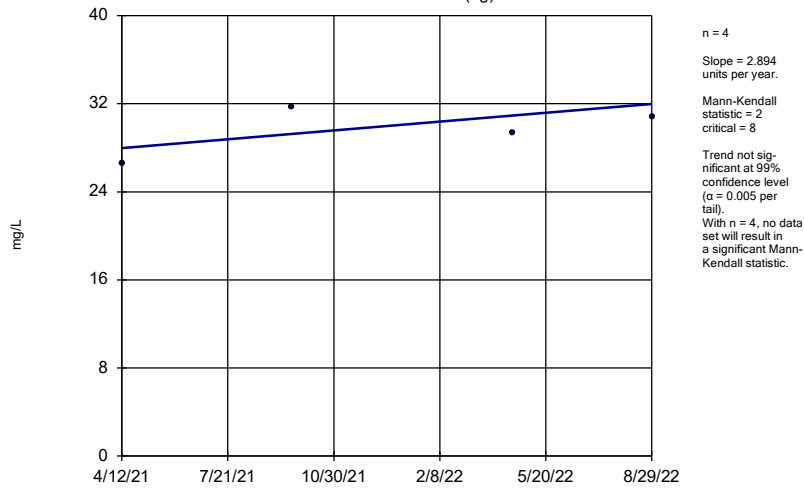
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-40 (bg)



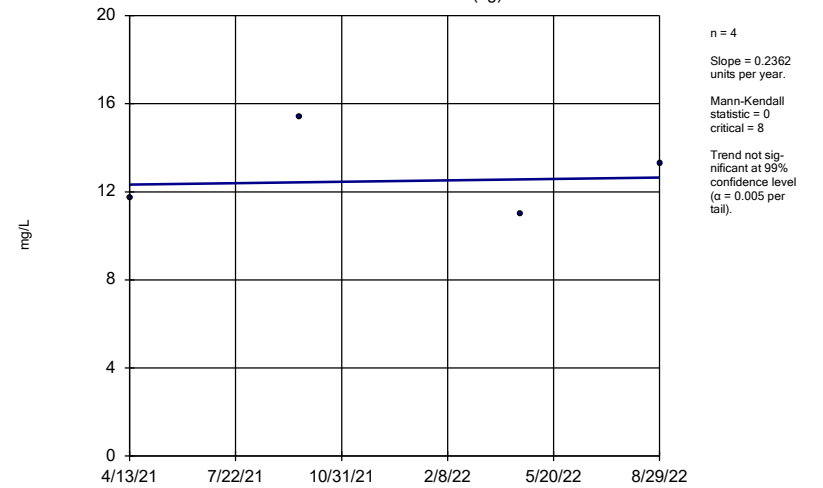
Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-41 (bg)



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

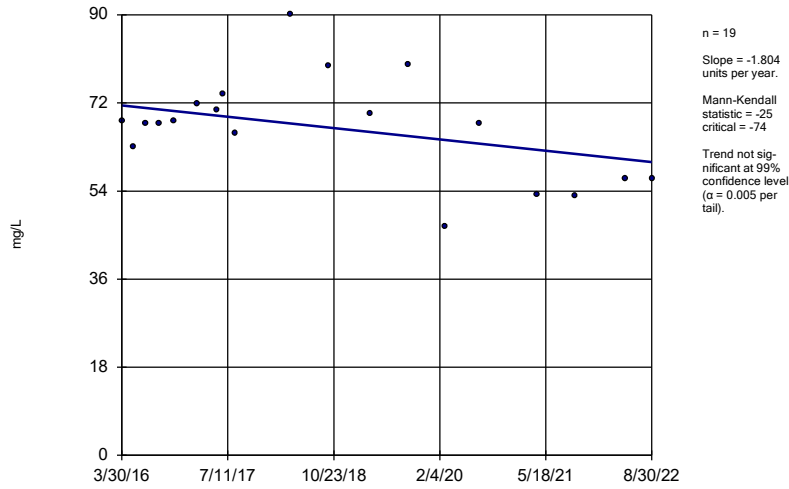
Sen's Slope Estimator GN-AP-MW-42 (bg)



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

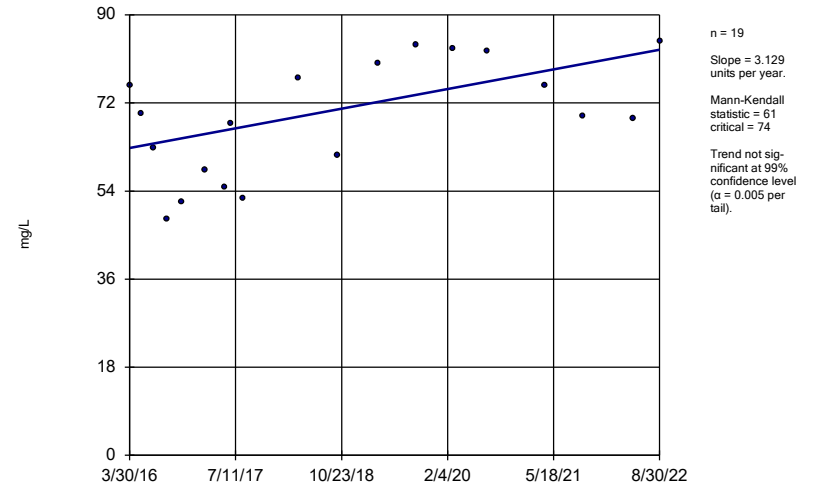
GN-AP-MW-5



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

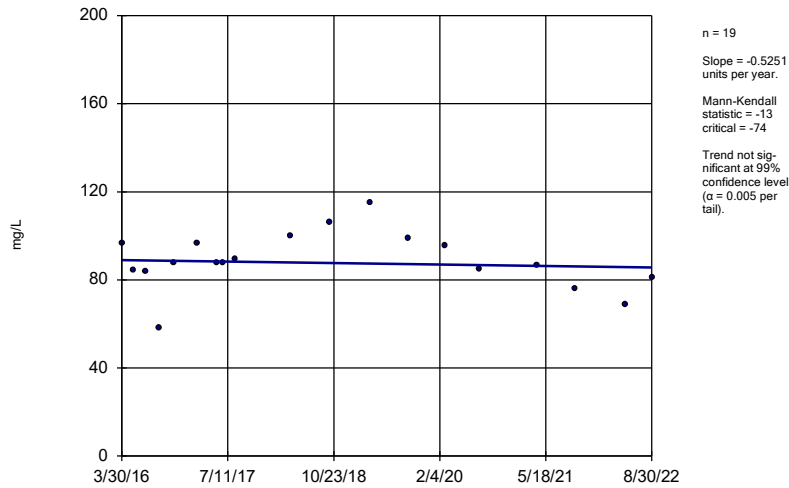
GN-AP-MW-6



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

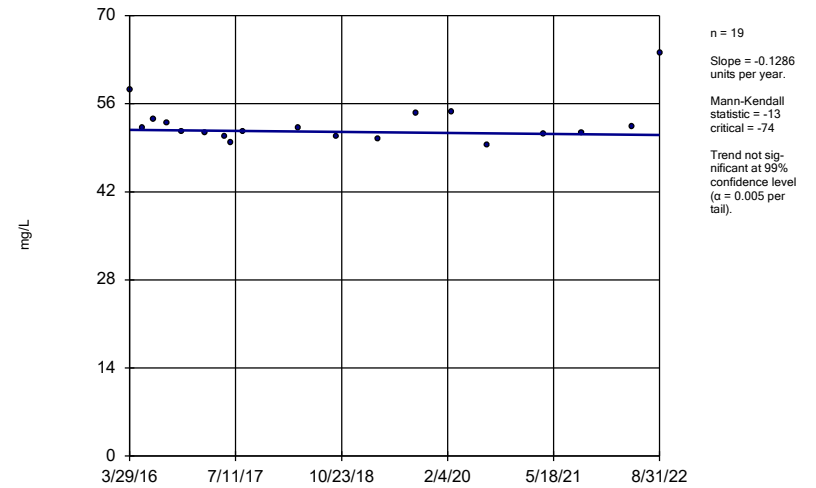
GN-AP-MW-7



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

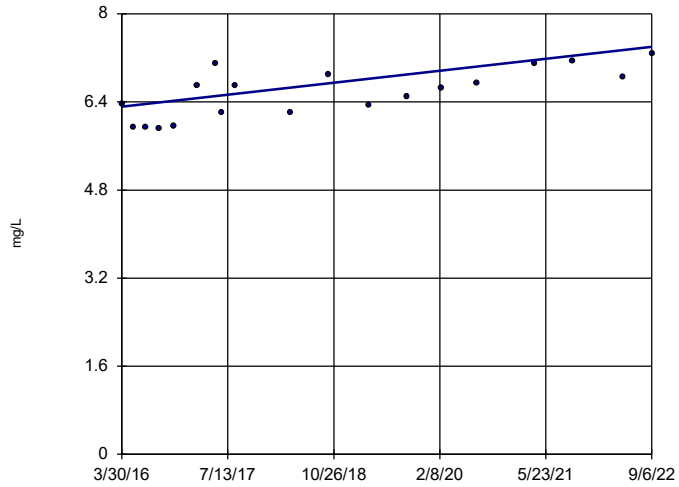
GN-AP-MW-8



Constituent: Calcium Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-11

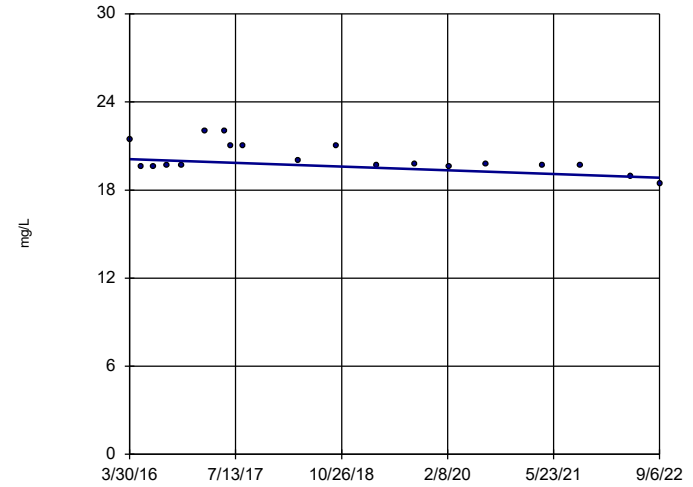


n = 19
 Slope = 0.1684
 units per year.
 Mann-Kendall
 statistic = 98
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-12

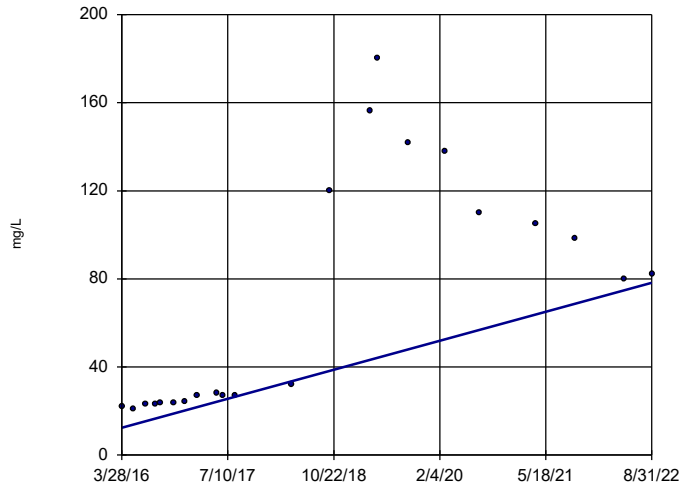


n = 19
 Slope = -0.195
 units per year.
 Mann-Kendall
 statistic = -53
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-15R

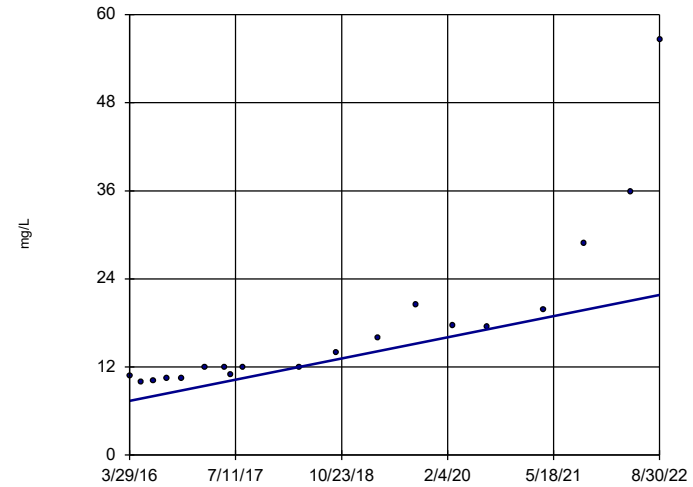


n = 22
 Slope = 10.23
 units per year.
 Mann-Kendall
 statistic = 144
 critical = 92
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-16

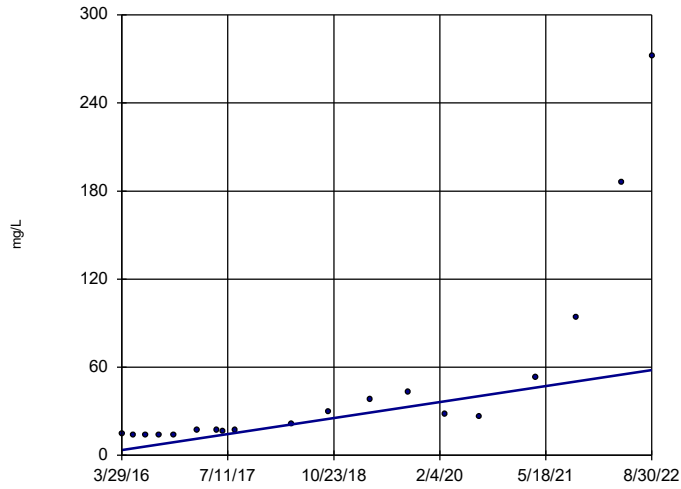


n = 19
 Slope = 2.249
 units per year.
 Mann-Kendall
 statistic = 144
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

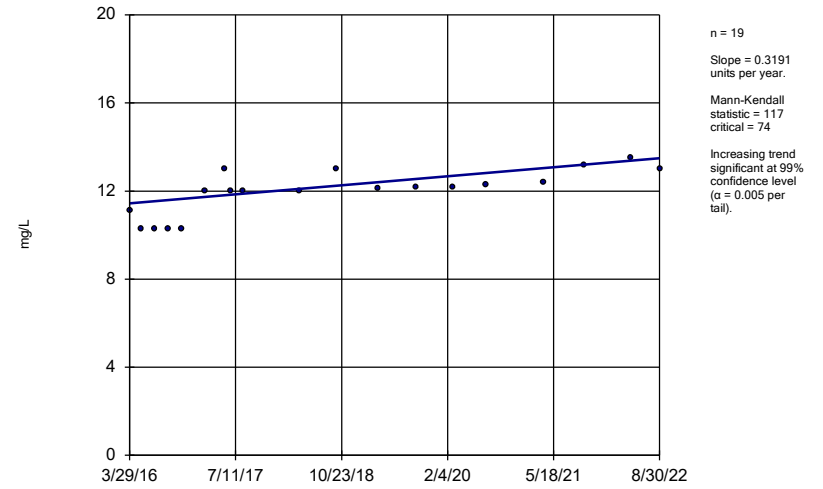
GN-AP-MW-17



Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

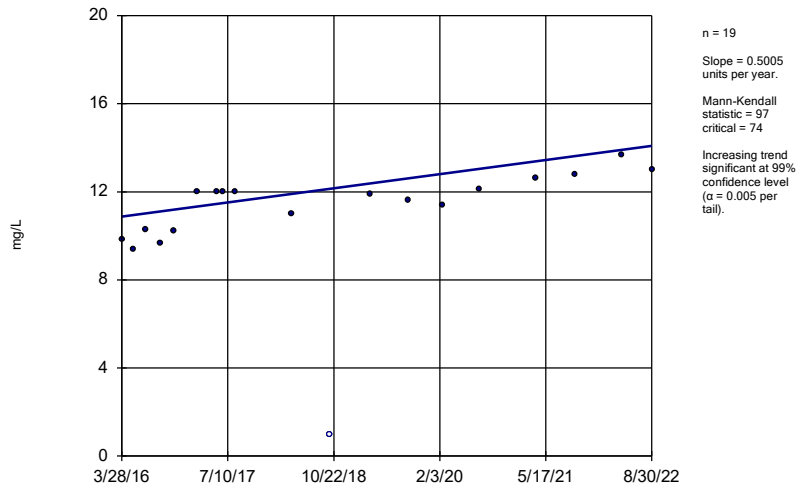
GN-AP-MW-18



Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

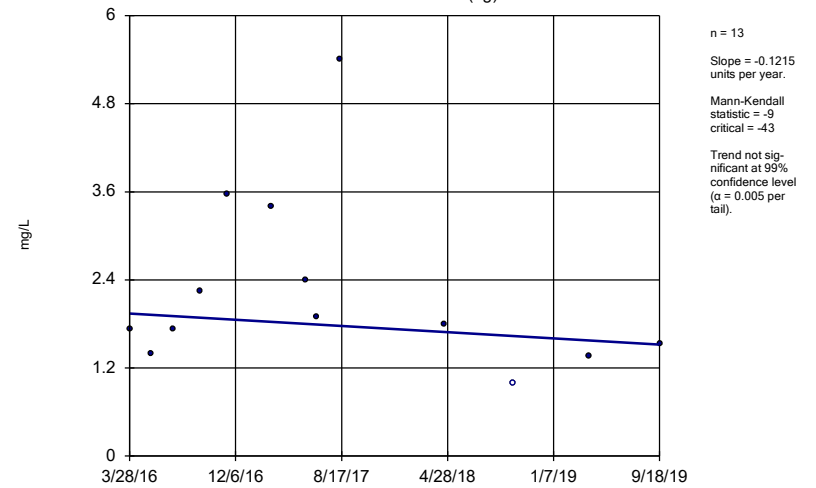
GN-AP-MW-19



Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

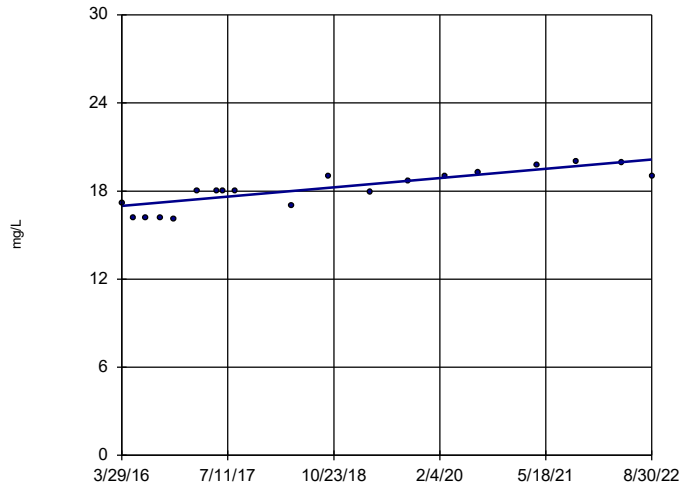
GN-AP-MW-2 (bg)



Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-20

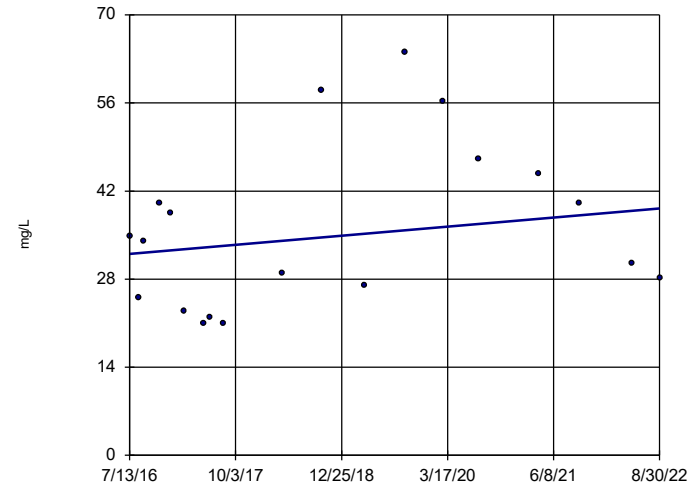


n = 19
 Slope = 0.4914
 units per year.
 Mann-Kendall
 statistic = 113
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-21

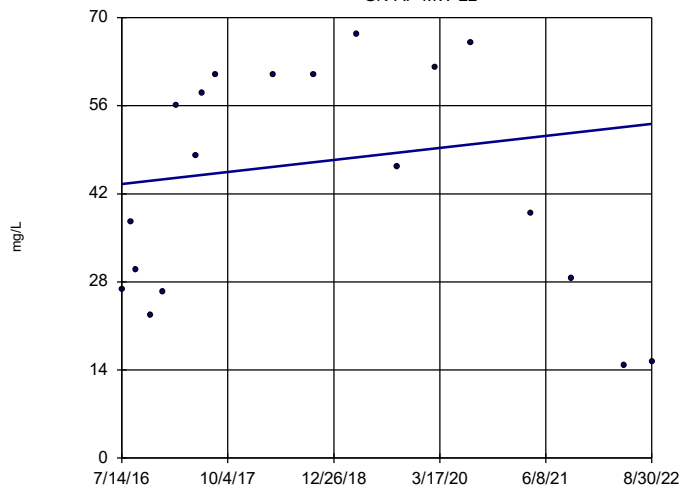


n = 19
 Slope = 1.174
 units per year.
 Mann-Kendall
 statistic = 23
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-22

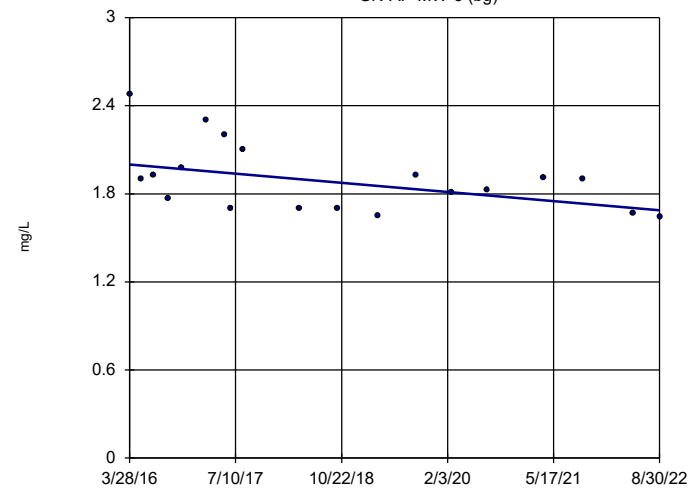


n = 19
 Slope = 1.563
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

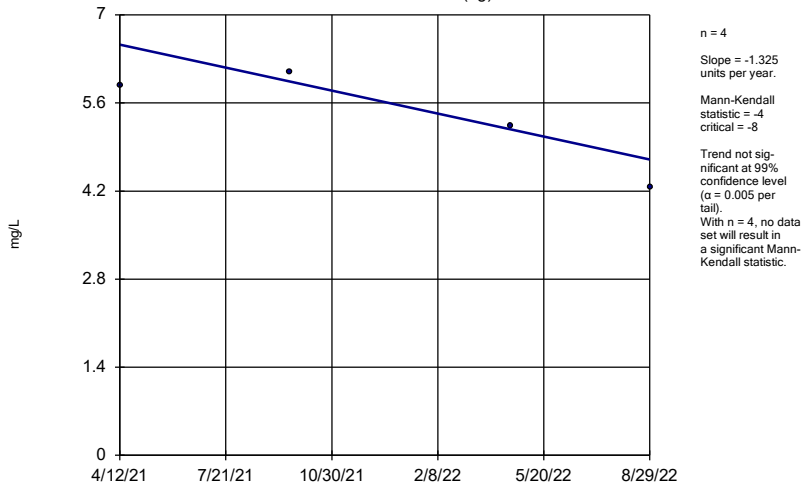
GN-AP-MW-3 (bg)



n = 19
 Slope = -0.04854
 units per year.
 Mann-Kendall
 statistic = -66
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

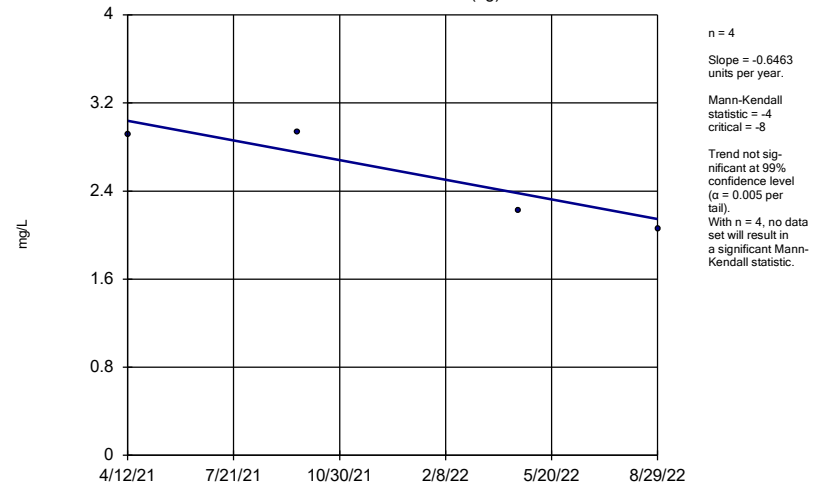
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-38 (bg)



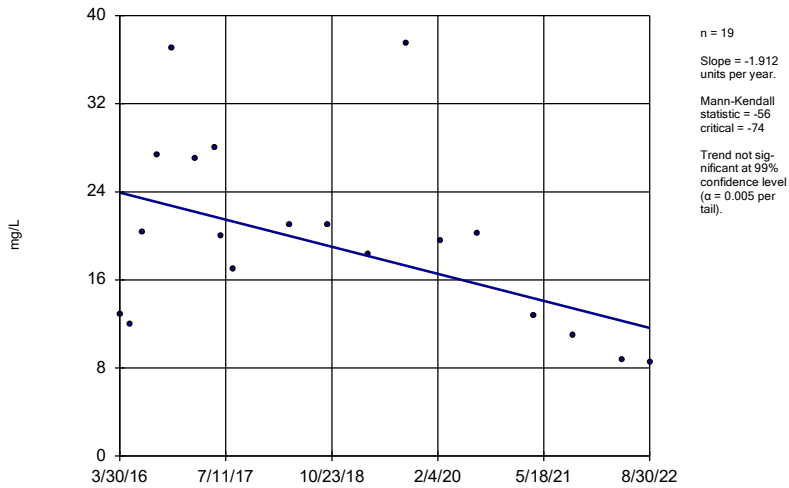
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-39 (bg)



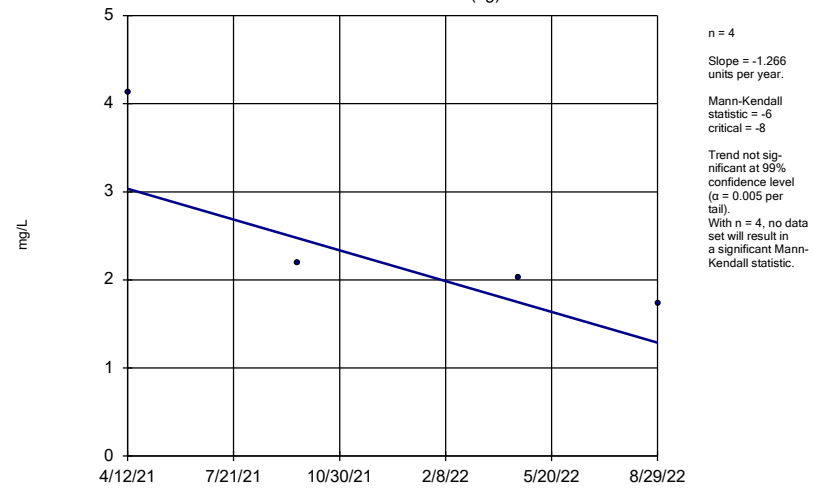
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-4



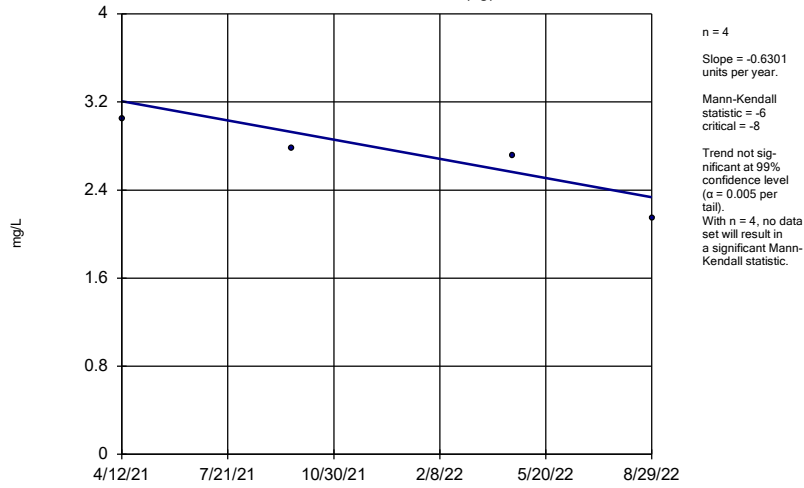
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-40 (bg)



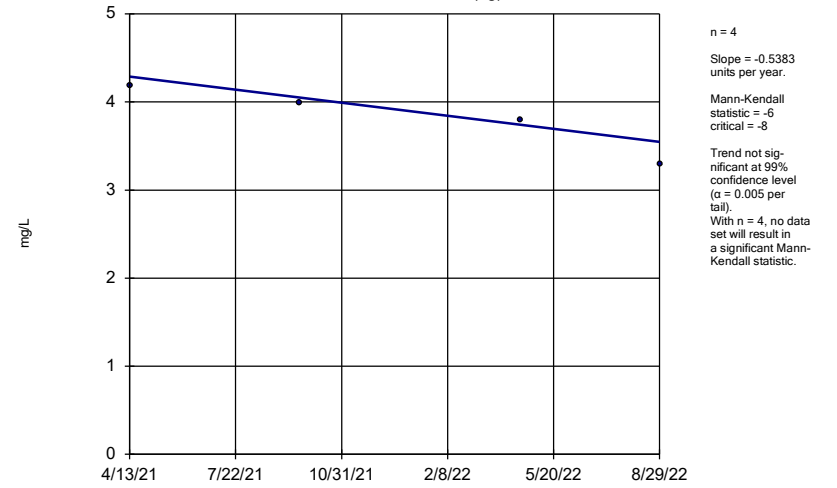
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-41 (bg)



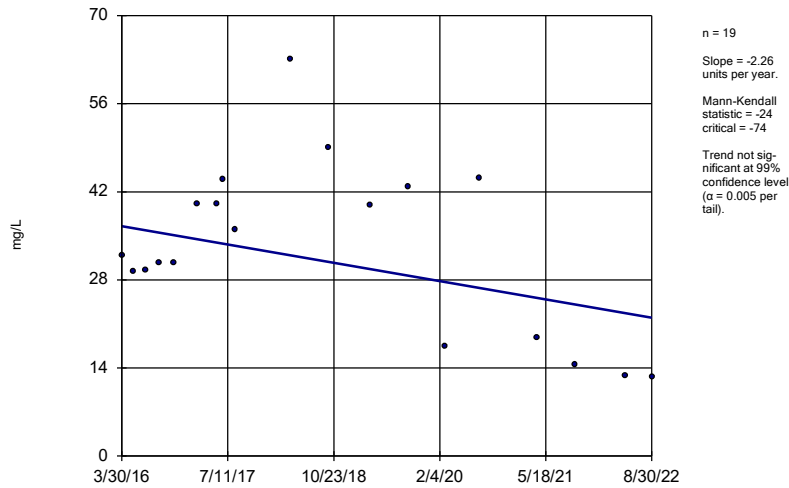
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-42 (bg)



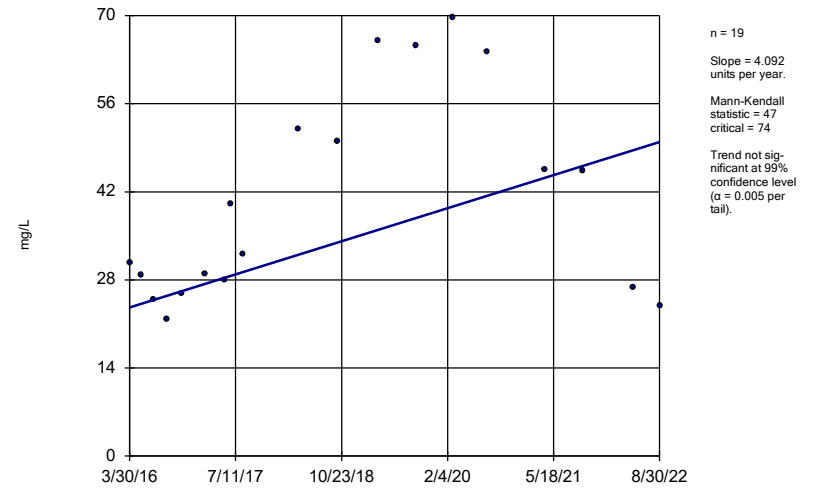
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-5

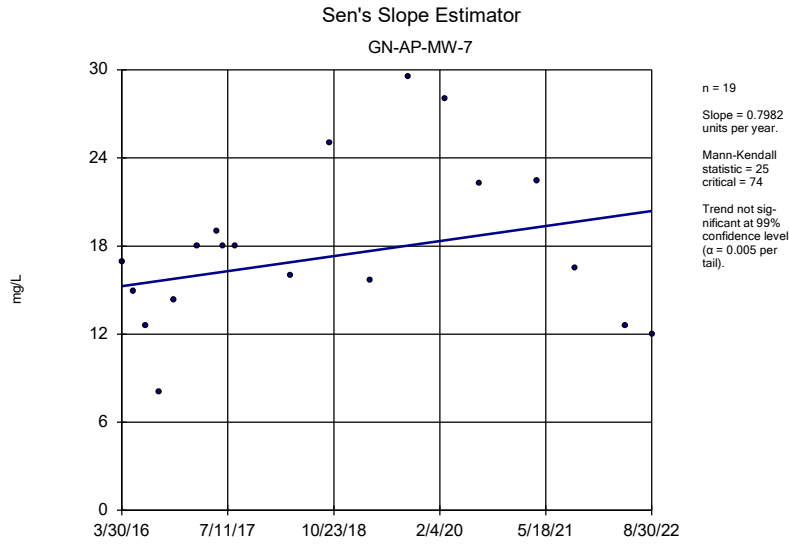


Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

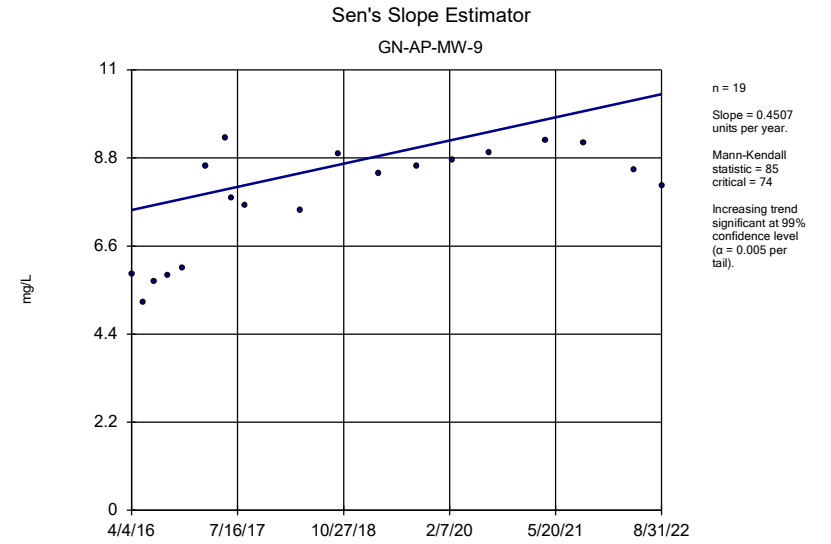
Sen's Slope Estimator
GN-AP-MW-6



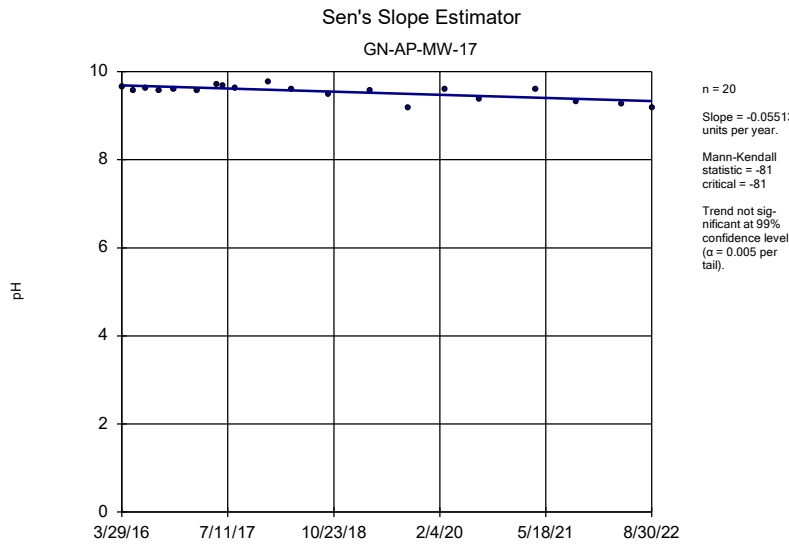
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



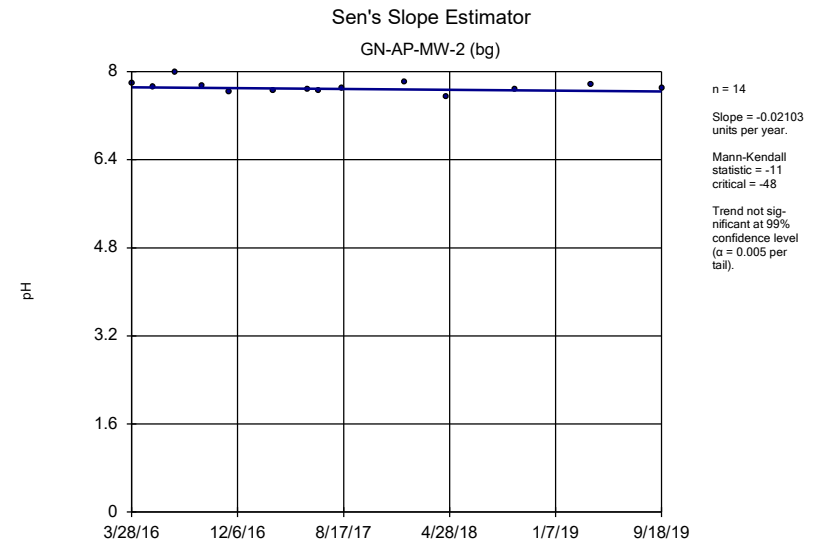
Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



Constituent: Chloride Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



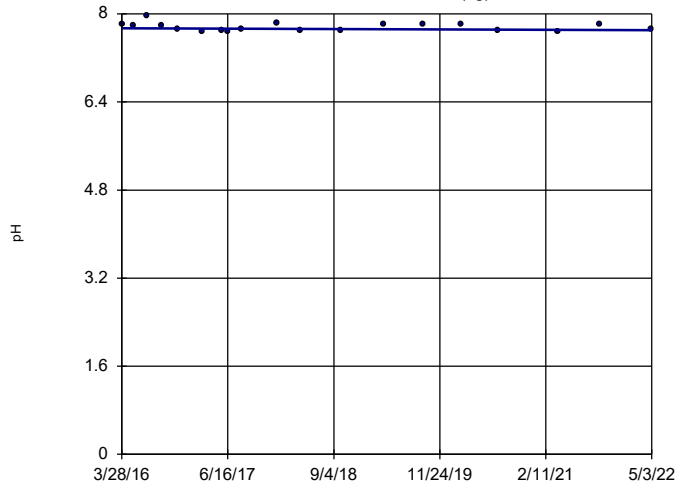
Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-3 (bg)

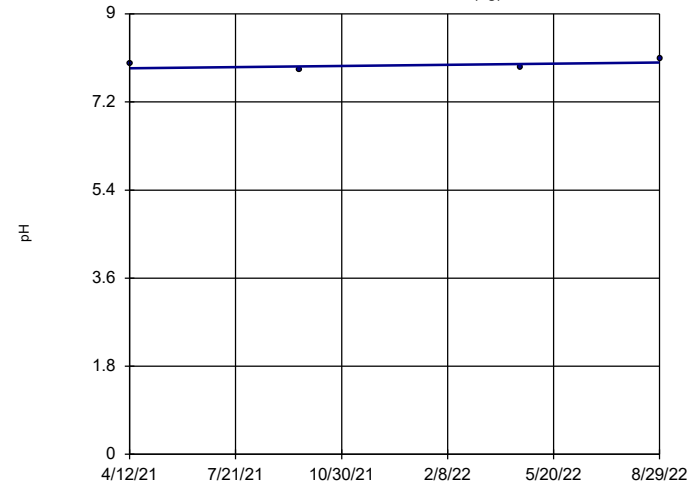


n = 19
 Slope = -0.005505
 units per year.
 Mann-Kendall
 statistic = -20
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-38 (bg)

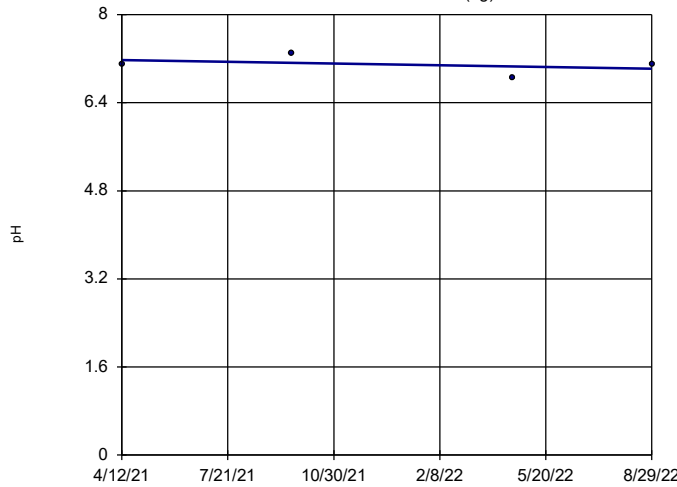


n = 4
 Slope = 0.08835
 units per year.
 Mann-Kendall
 statistic = 2
 critical = 8
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).
 With n = 4, no data
 set will result in
 a significant Mann-
 Kendall statistic.

Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-39 (bg)

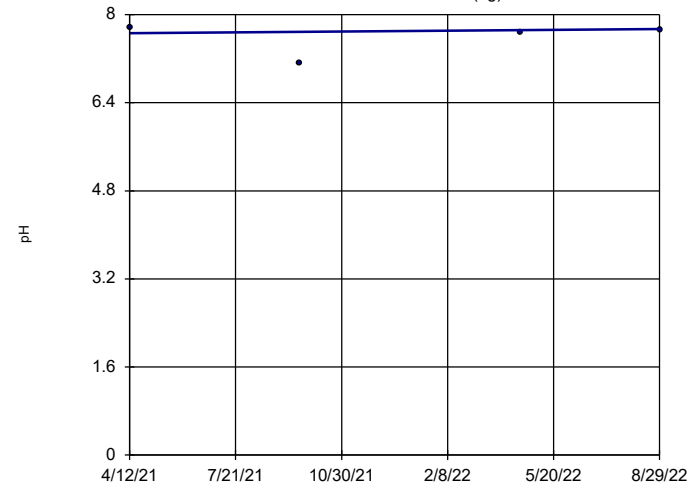


n = 4
 Slope = -0.1121
 units per year.
 Mann-Kendall
 statistic = -1
 critical = -8
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).
 With n = 4, no data
 set will result in
 a significant Mann-
 Kendall statistic.

Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

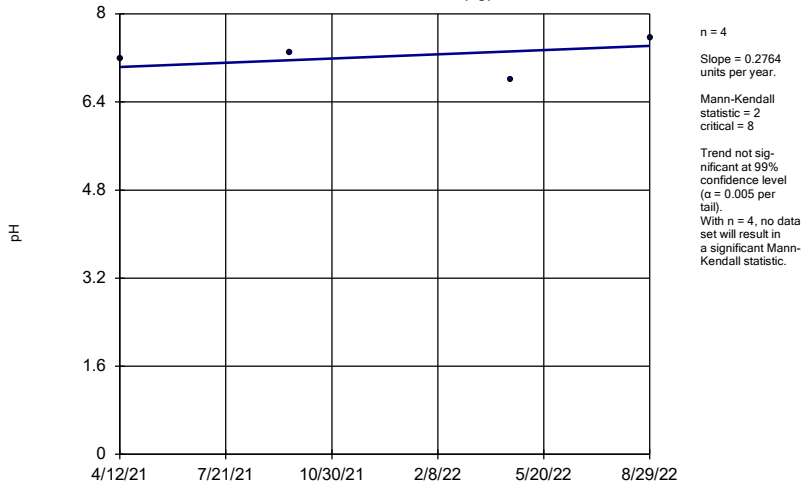
GN-AP-MW-40 (bg)



n = 4
 Slope = 0.05464
 units per year.
 Mann-Kendall
 statistic = 0
 critical = 8
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

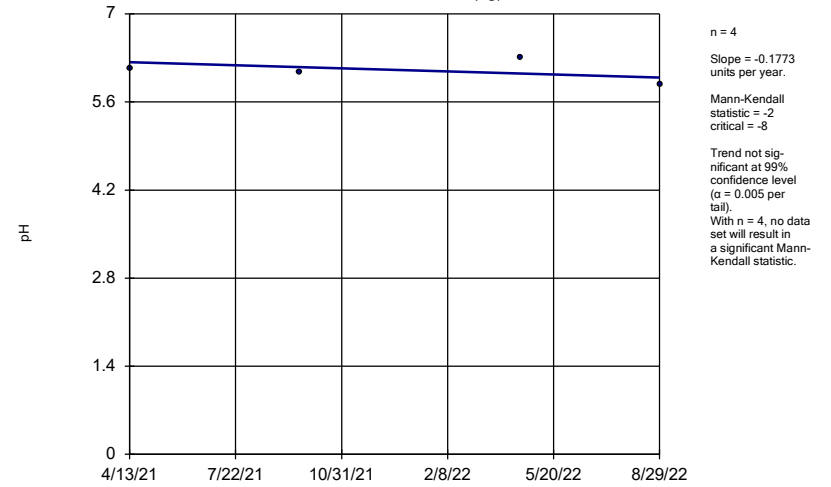
Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-41 (bg)



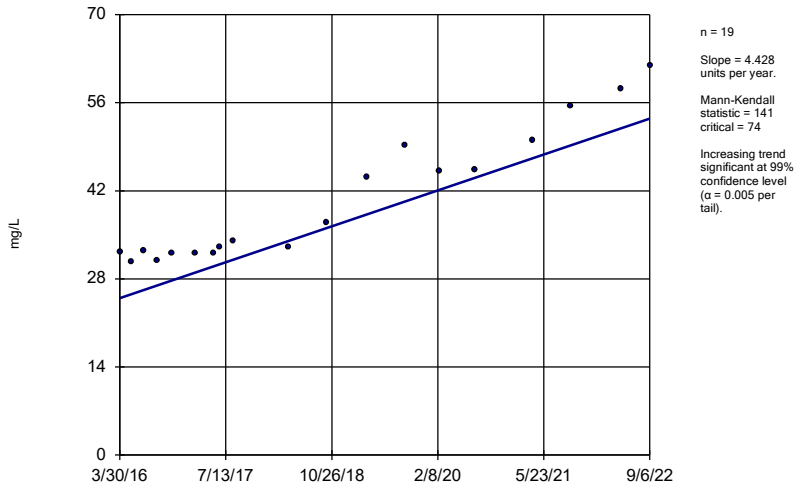
Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-42 (bg)



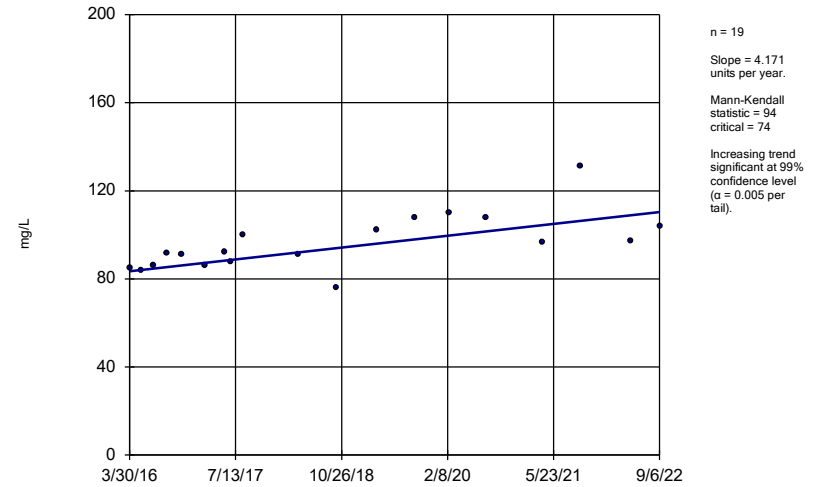
Constituent: pH Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator GN-AP-MW-11



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

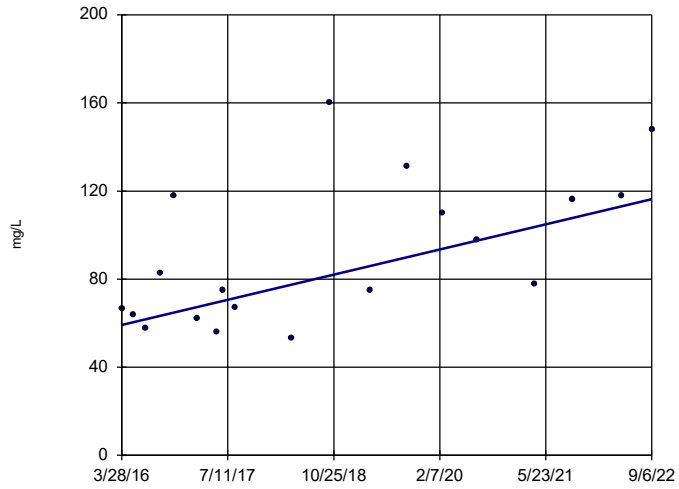
Sen's Slope Estimator GN-AP-MW-12



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

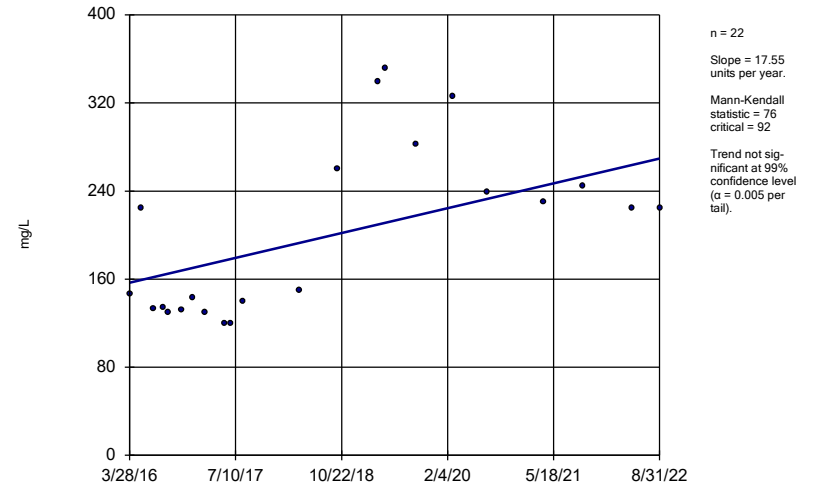
GN-AP-MW-14



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

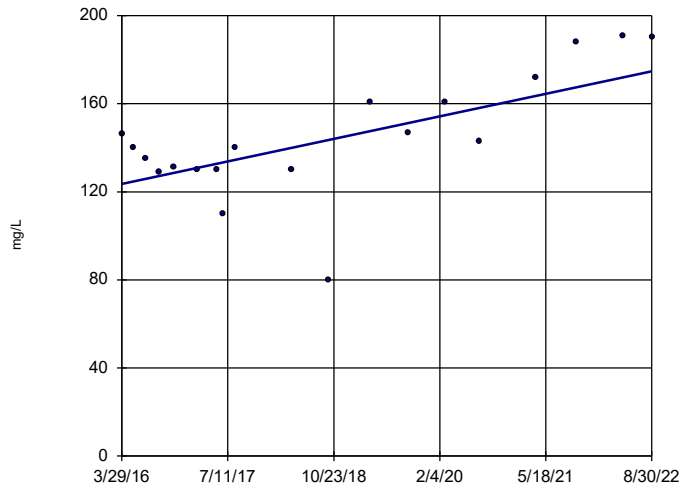
GN-AP-MW-15R



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

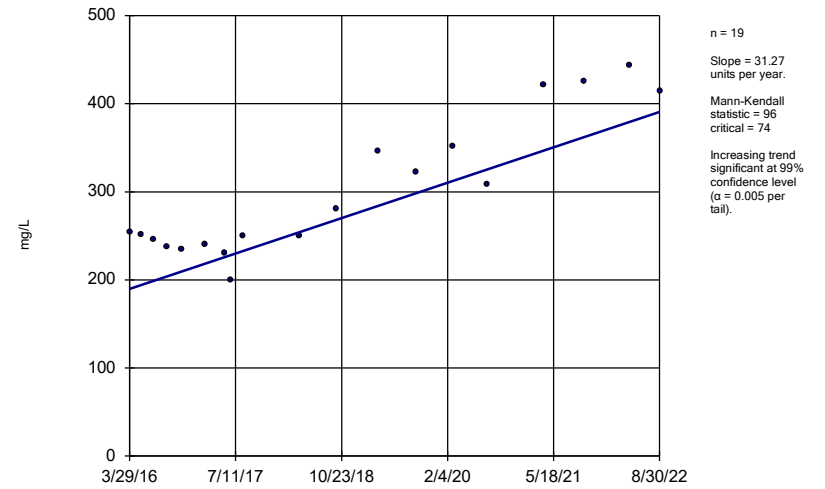
GN-AP-MW-16



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

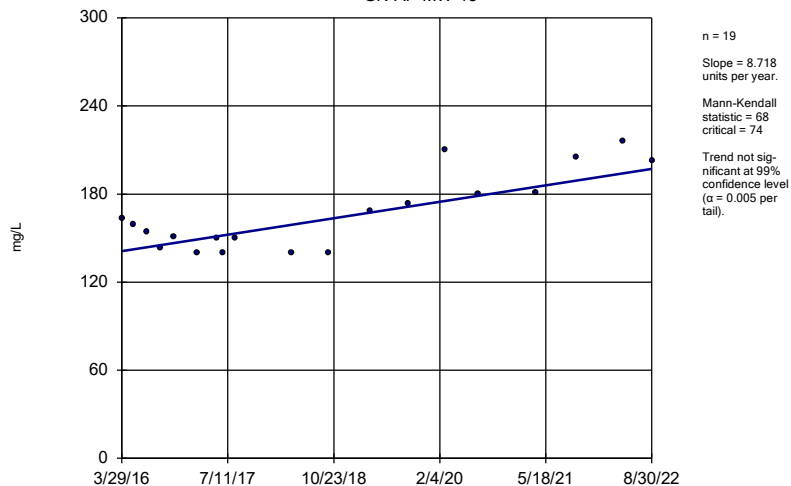
GN-AP-MW-17



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

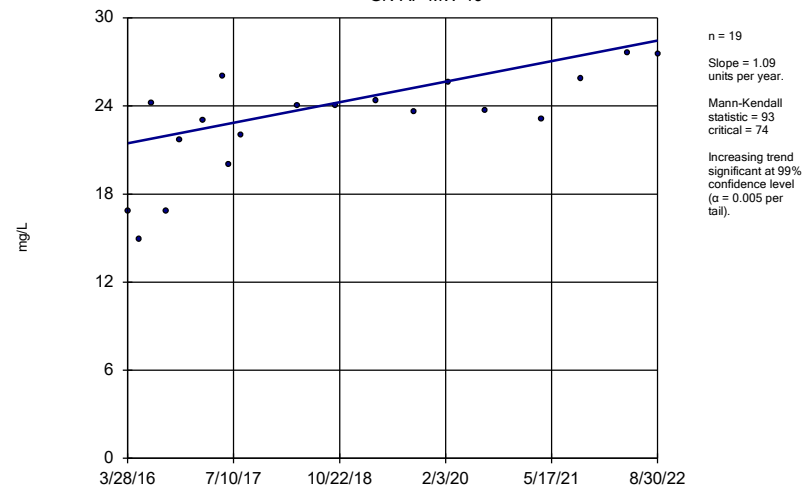
GN-AP-MW-18



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

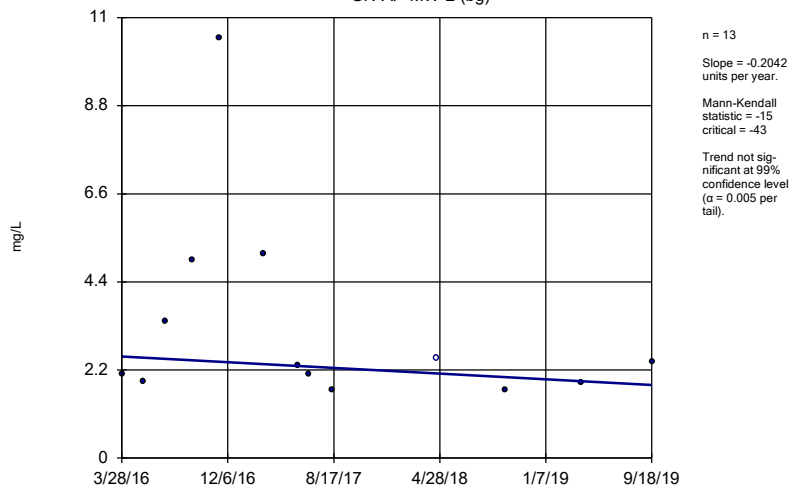
GN-AP-MW-19



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

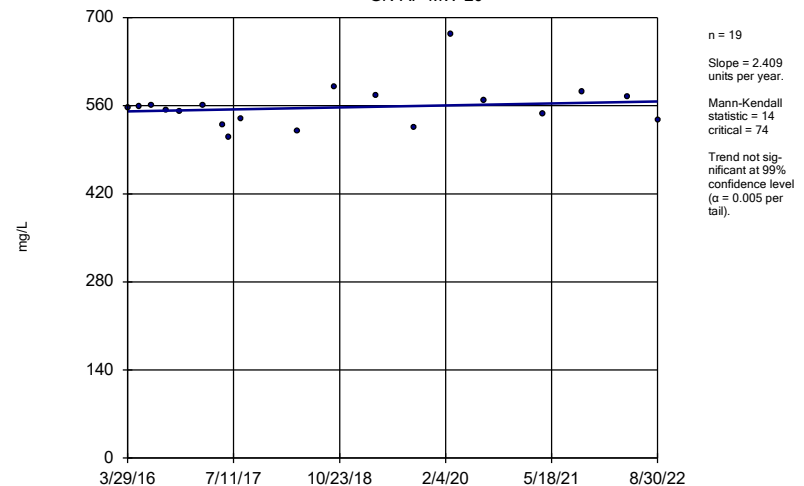
GN-AP-MW-2 (bg)



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

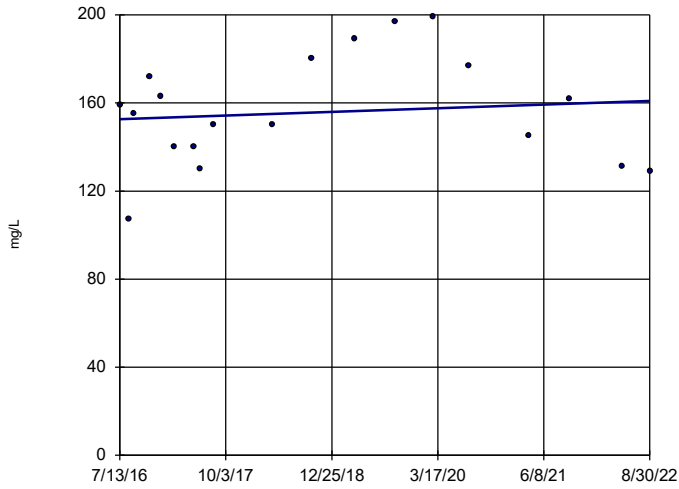
GN-AP-MW-20



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-21

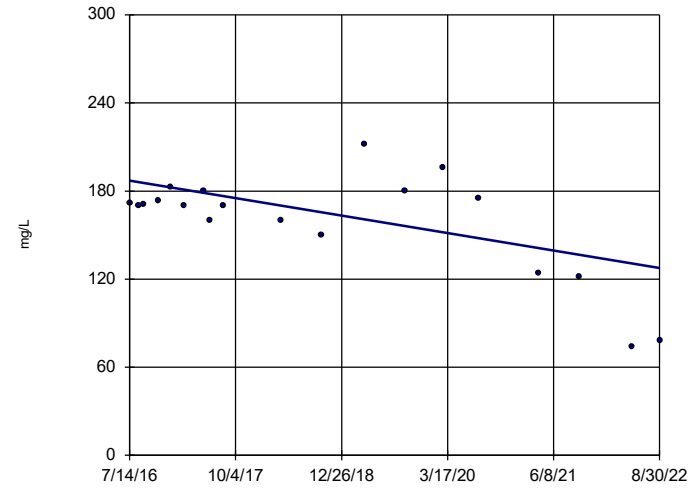


n = 19
 Slope = 1.351
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-22

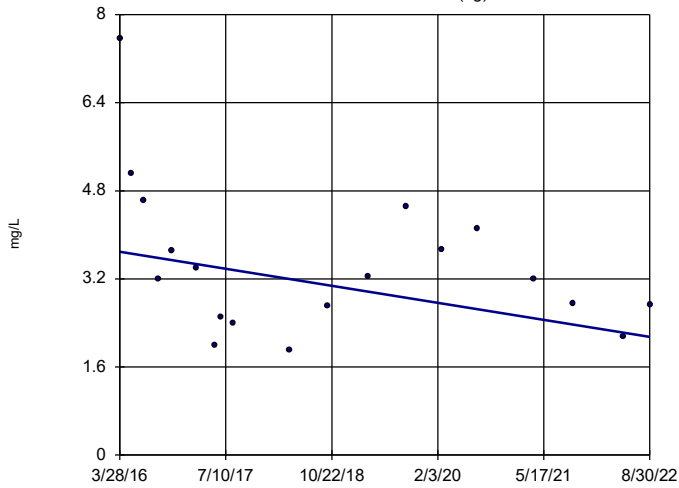


n = 19
 Slope = -9.72
 units per year.
 Mann-Kendall
 statistic = -54
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-3 (bg)

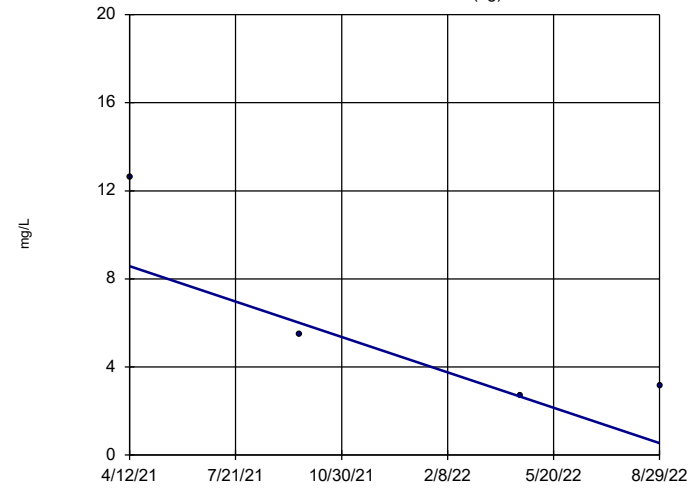


n = 19
 Slope = -0.2406
 units per year.
 Mann-Kendall
 statistic = -49
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

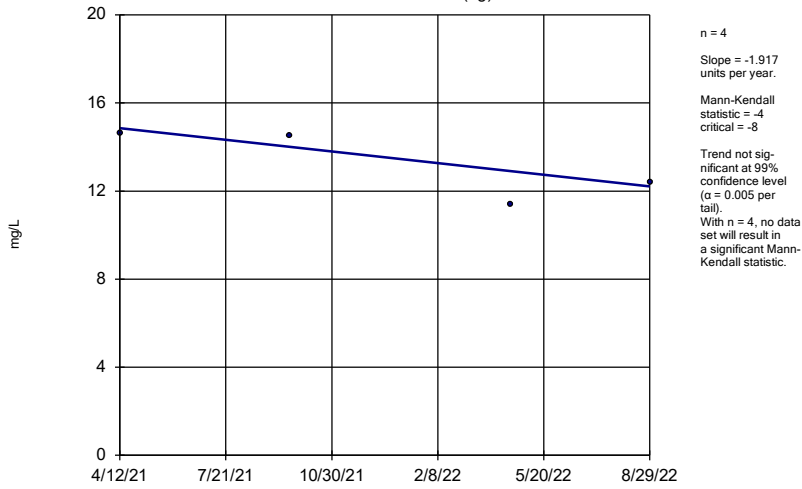
GN-AP-MW-38 (bg)



n = 4
 Slope = -5.826
 units per year.
 Mann-Kendall
 statistic = -4
 critical = -8
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).
 With n = 4, no data
 set will result in
 a significant Mann-
 Kendall statistic.

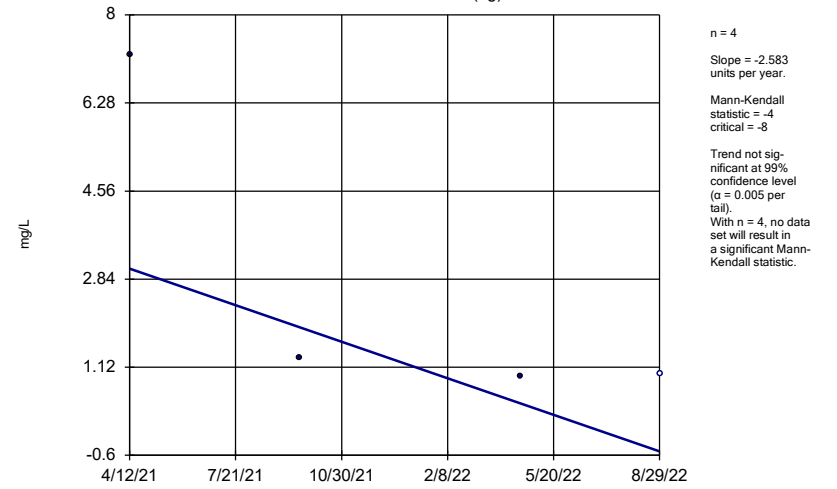
Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-39 (bg)



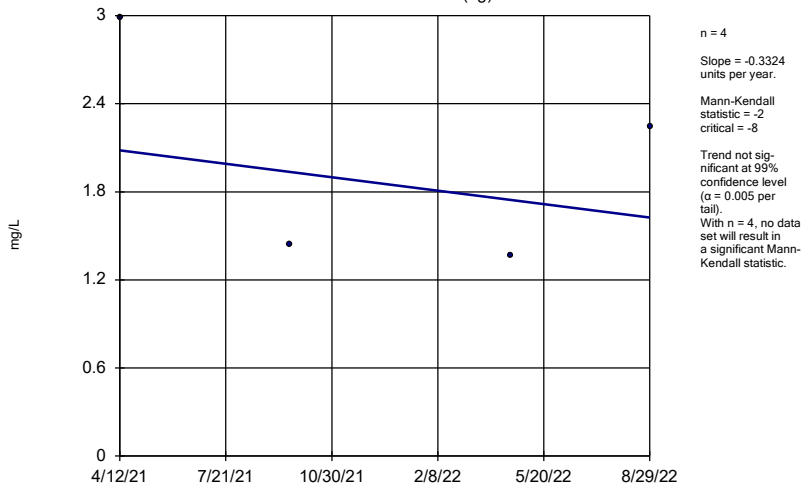
Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-40 (bg)



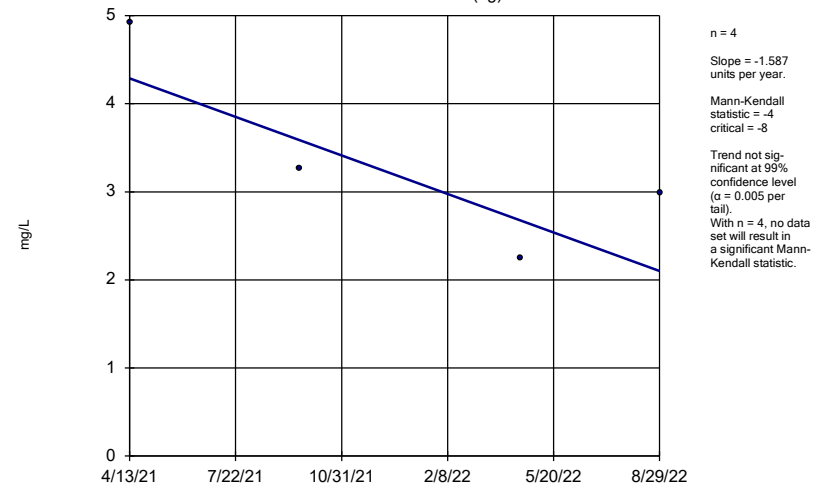
Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator
GN-AP-MW-41 (bg)



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

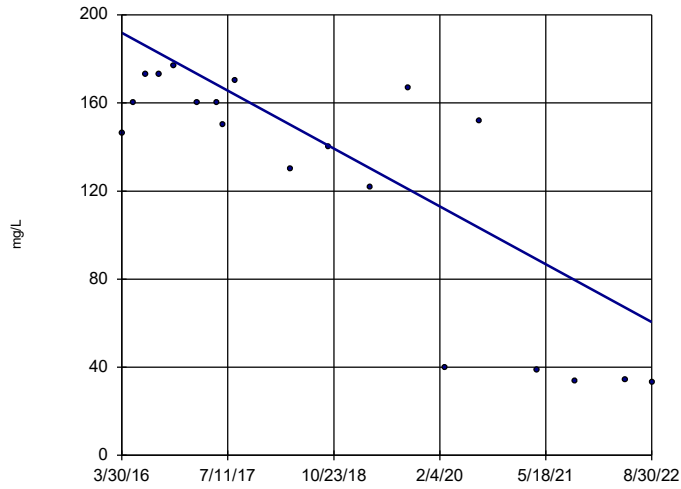
Sen's Slope Estimator
GN-AP-MW-42 (bg)



Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-5

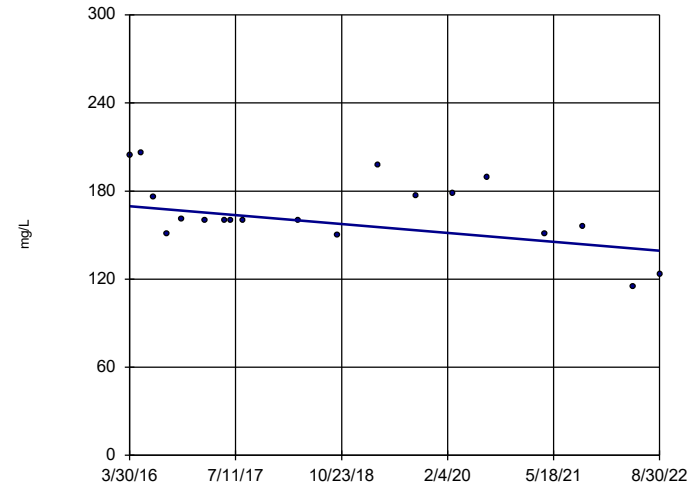


n = 19
Slope = -20.46
units per year.
Mann-Kendall
statistic = -101
critical = -74
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-6

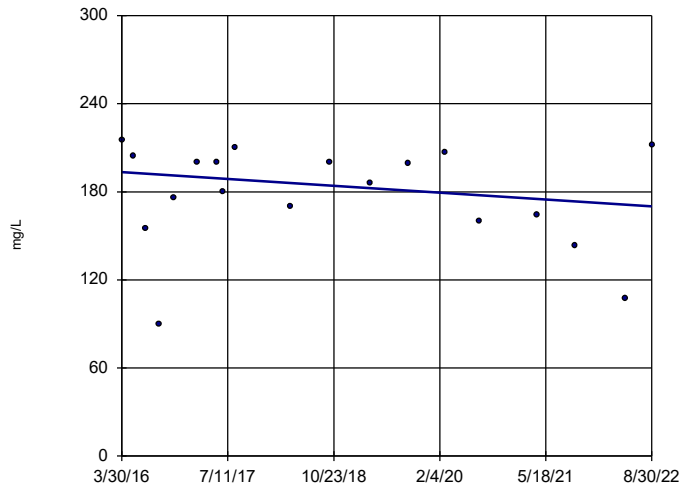


n = 19
Slope = -4.695
units per year.
Mann-Kendall
statistic = -58
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate Analysis Run 10/31/2022 2:59 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-7



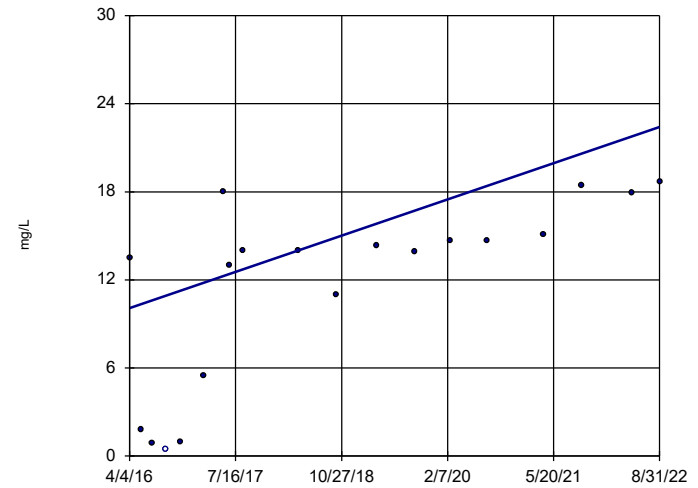
n = 19
Slope = -3.628
units per year.
Mann-Kendall
statistic = -26
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Hollow symbols indicate censored values.

Sen's Slope Estimator

GN-AP-MW-9

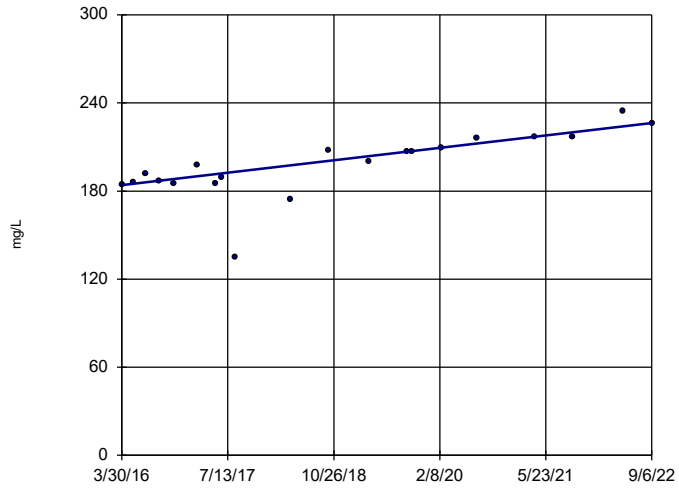


n = 19
Slope = 1.924
units per year.
Mann-Kendall
statistic = 113
critical = 74
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-11

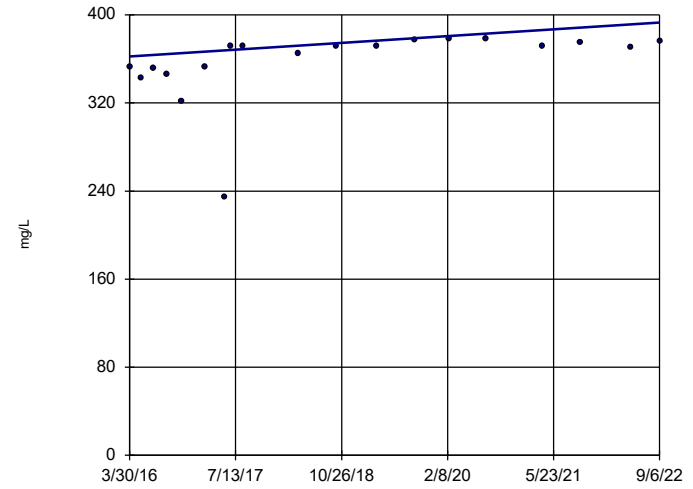


n = 20
 Slope = 6.576
 units per year.
 Mann-Kendall
 statistic = 127
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-12

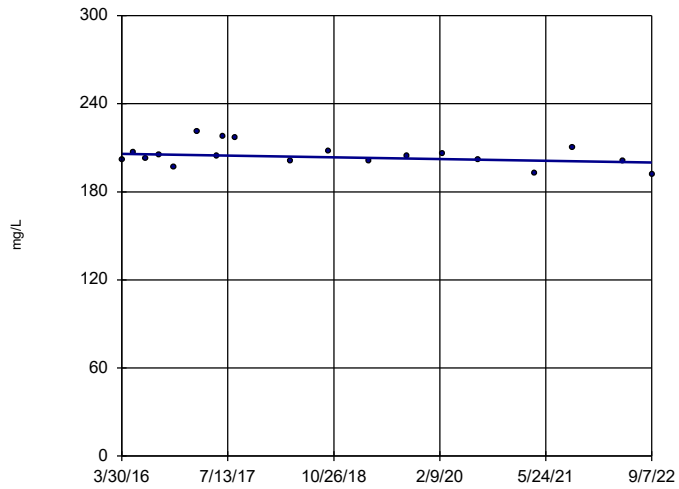


n = 19
 Slope = 4.817
 units per year.
 Mann-Kendall
 statistic = 91
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-13

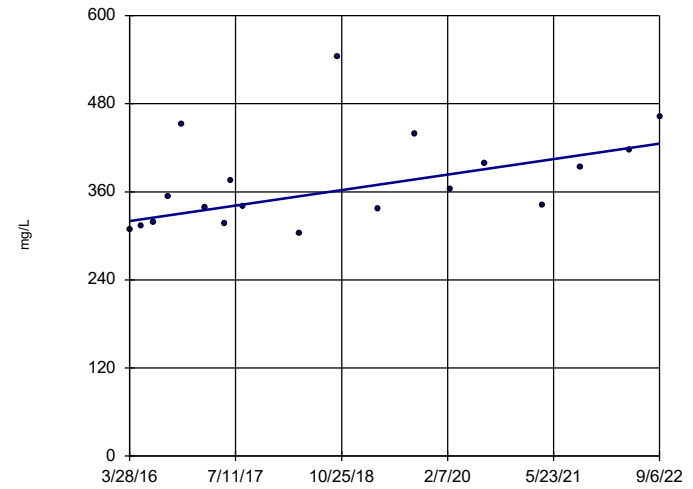


n = 19
 Slope = -0.9102
 units per year.
 Mann-Kendall
 statistic = -38
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-14

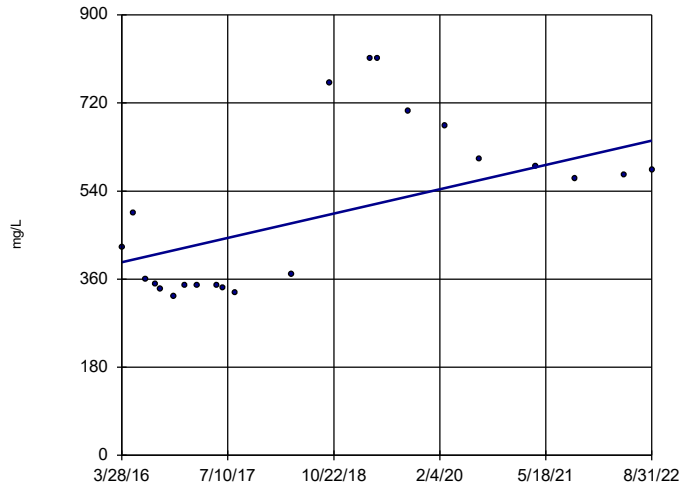


n = 19
 Slope = 16.38
 units per year.
 Mann-Kendall
 statistic = 73
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-15R

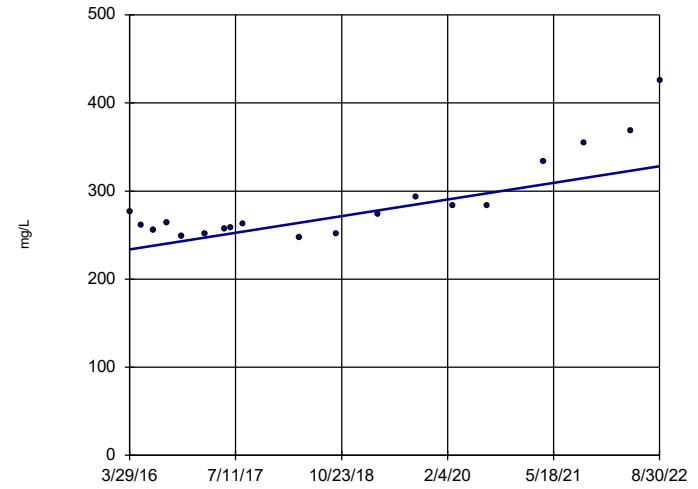


n = 22
 Slope = 38.66
 units per year.
 Mann-Kendall
 statistic = 61
 critical = 92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-16

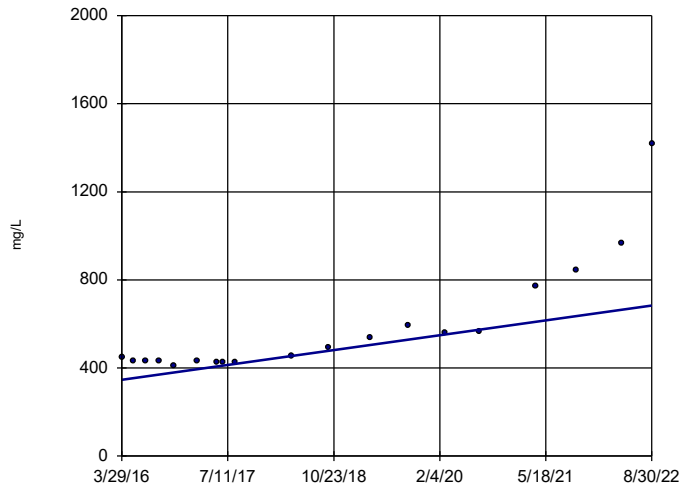


n = 19
 Slope = 14.73
 units per year.
 Mann-Kendall
 statistic = 92
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-17

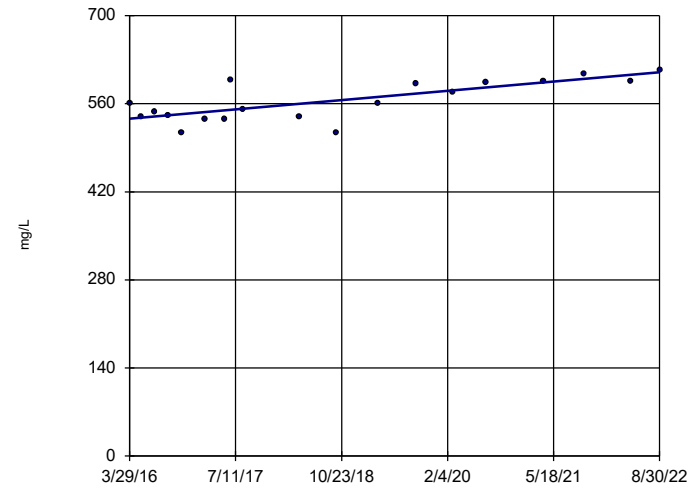


n = 19
 Slope = 52.42
 units per year.
 Mann-Kendall
 statistic = 115
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-18

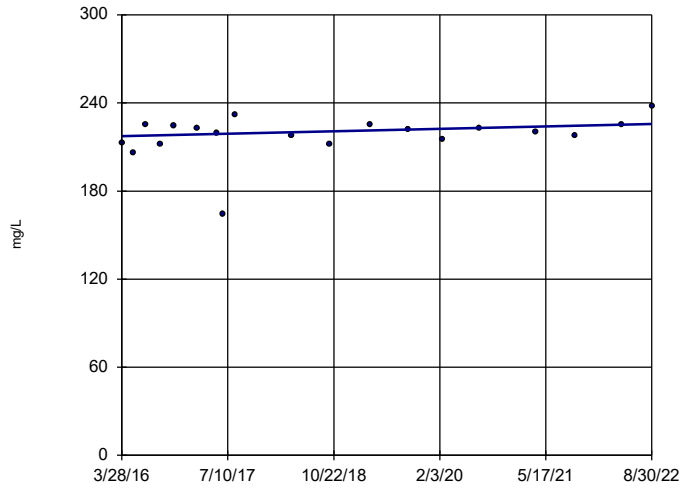


n = 19
 Slope = 11.47
 units per year.
 Mann-Kendall
 statistic = 86
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-19

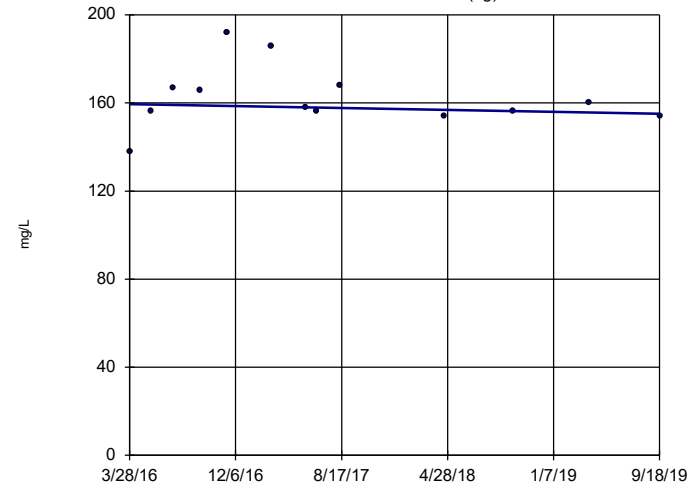


n = 19
 Slope = 1.29
 units per year.
 Mann-Kendall
 statistic = 39
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-2 (bg)

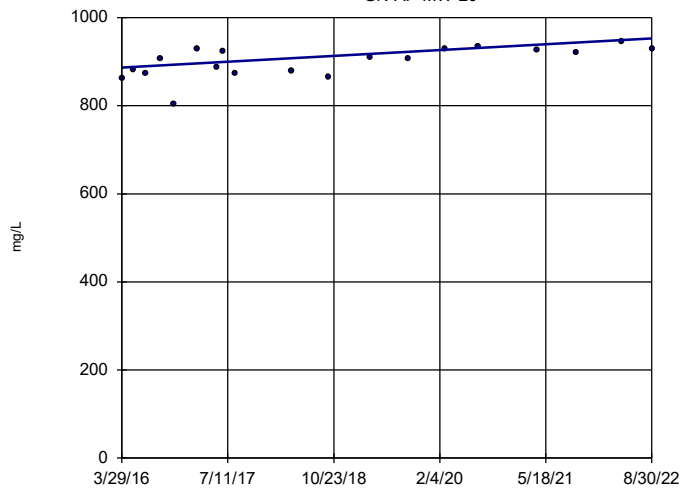


n = 13
 Slope = -1.254
 units per year.
 Mann-Kendall
 statistic = -10
 critical = -43
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-20

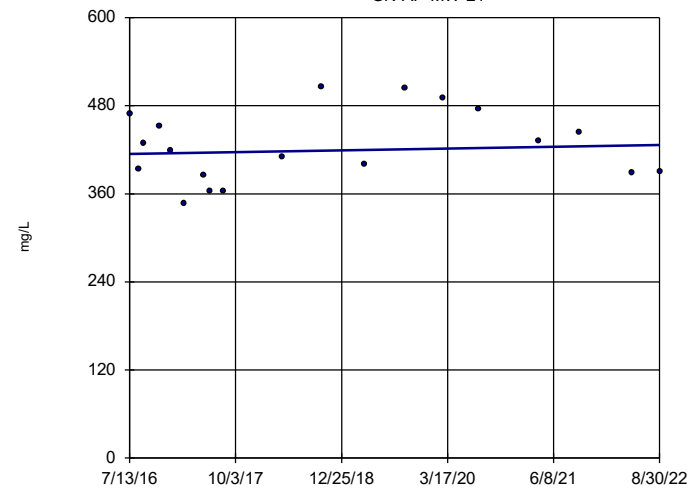


n = 19
 Slope = 10.29
 units per year.
 Mann-Kendall
 statistic = 83
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

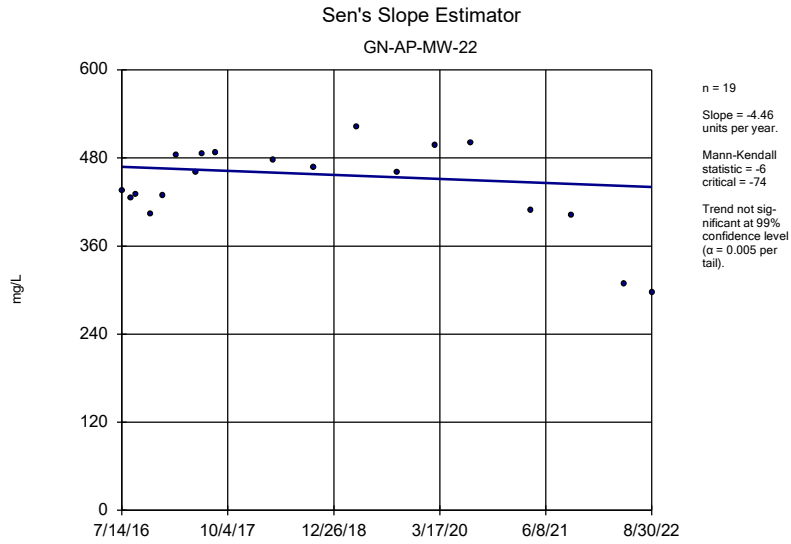
Sen's Slope Estimator

GN-AP-MW-21

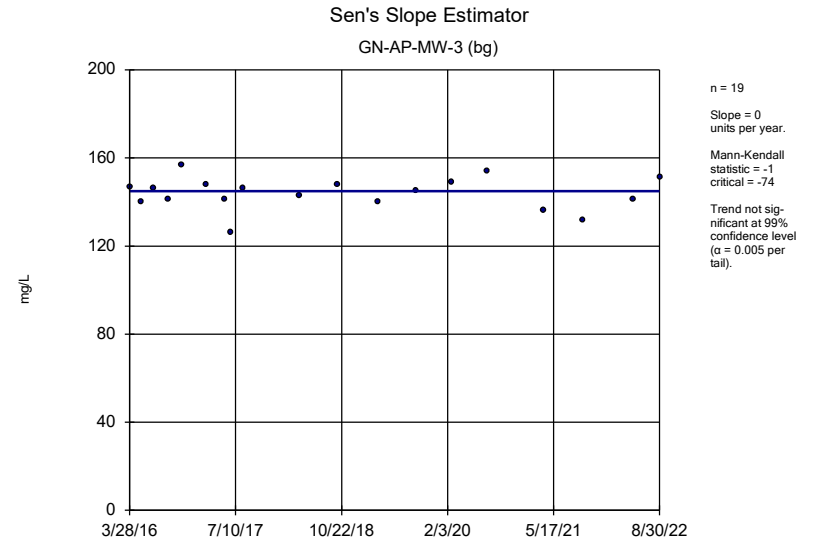


n = 19
 Slope = 1.978
 units per year.
 Mann-Kendall
 statistic = 7
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

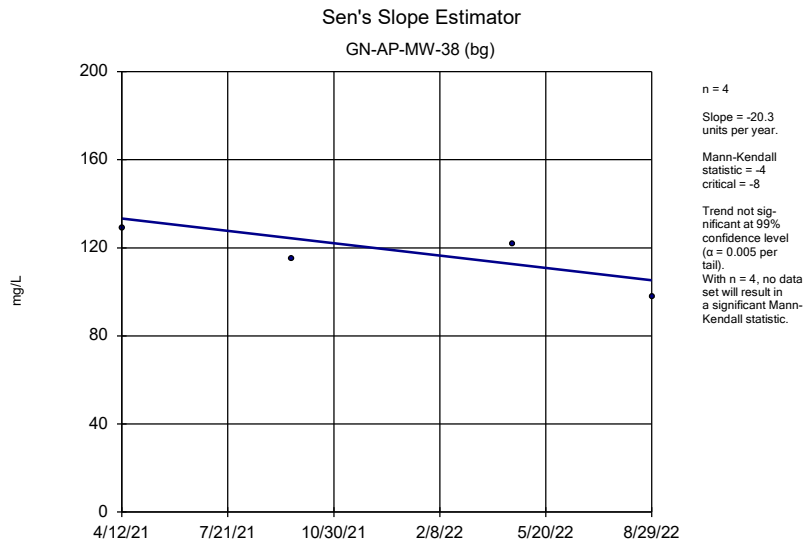
Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond



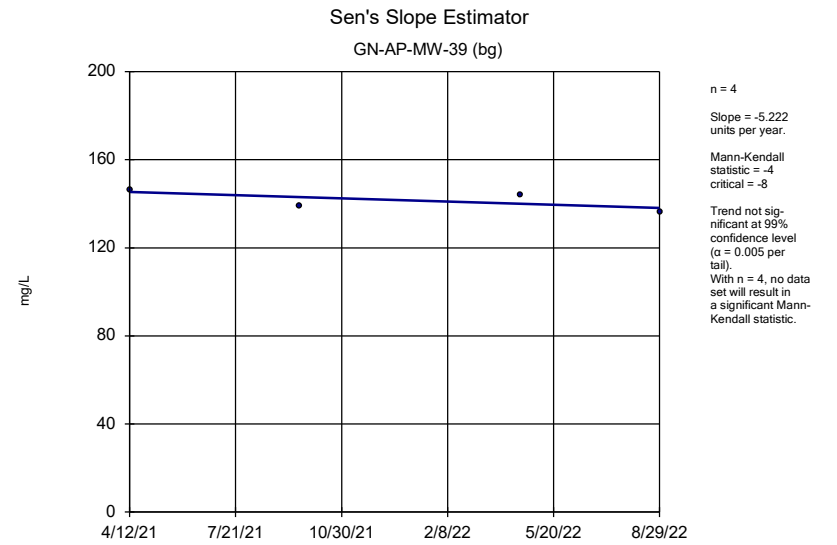
Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



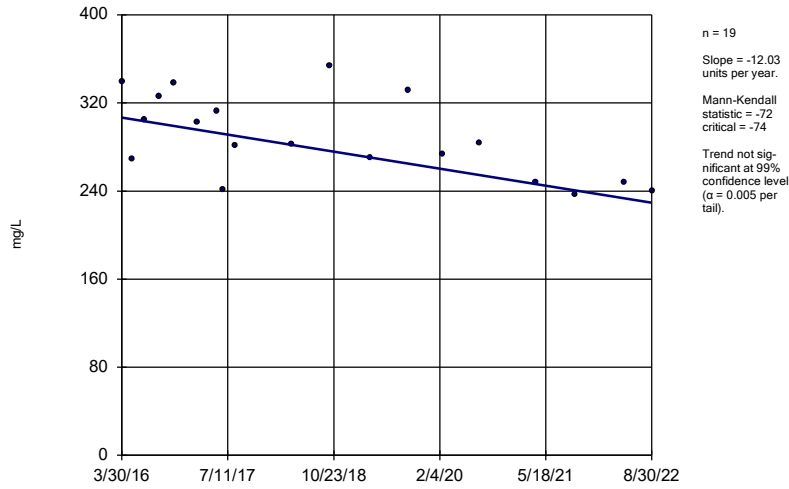
Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

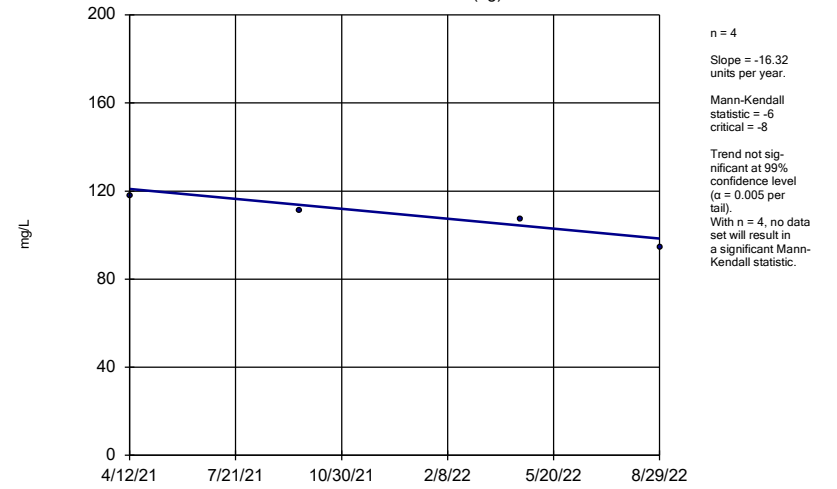
GN-AP-MW-4



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

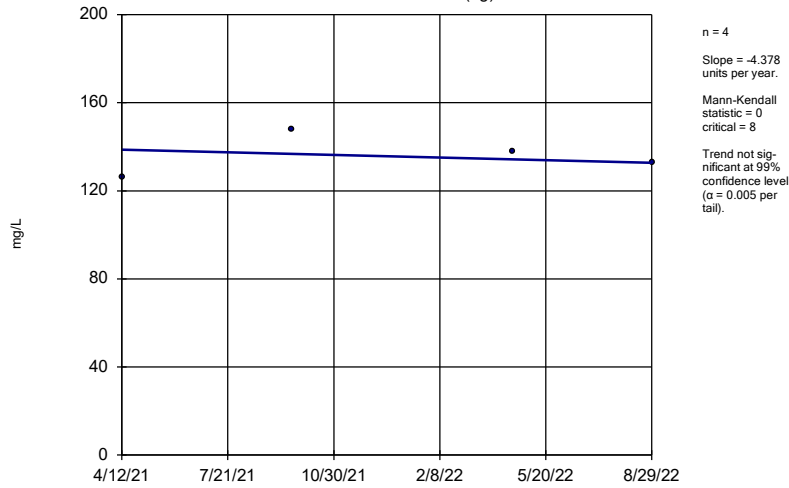
GN-AP-MW-40 (bg)



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

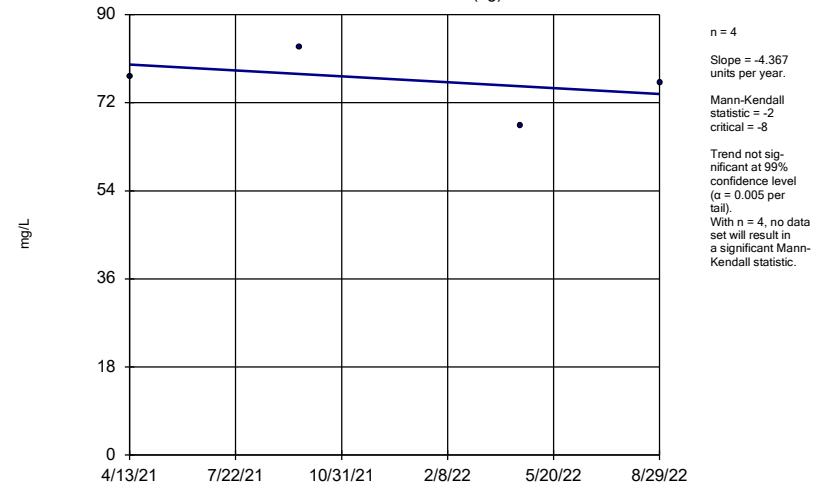
GN-AP-MW-41 (bg)



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

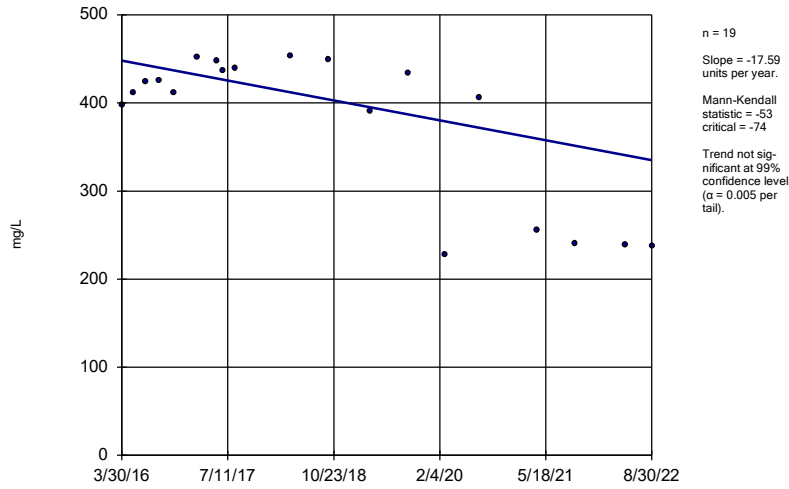
GN-AP-MW-42 (bg)



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

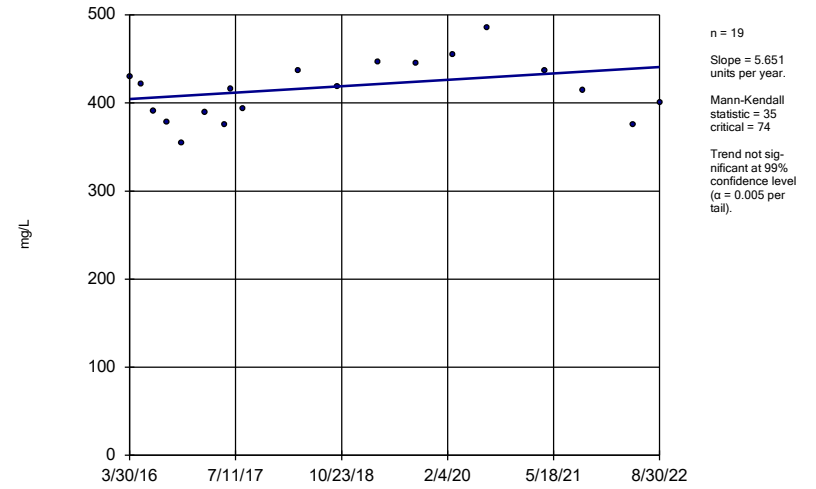
GN-AP-MW-5



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

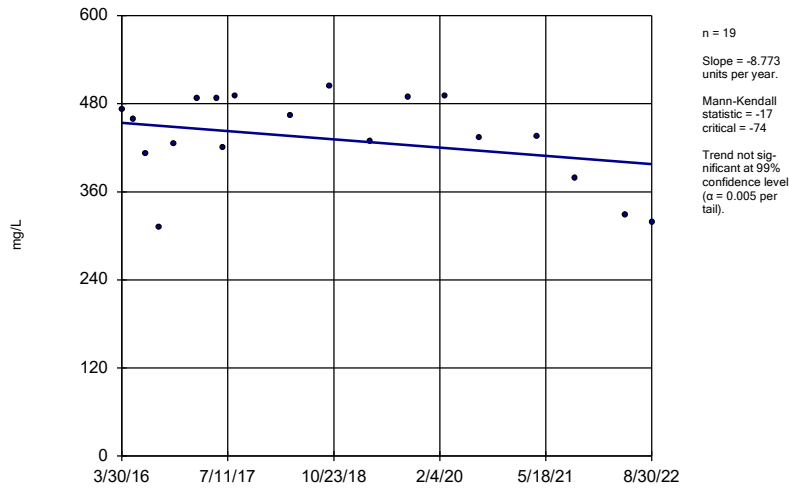
GN-AP-MW-6



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

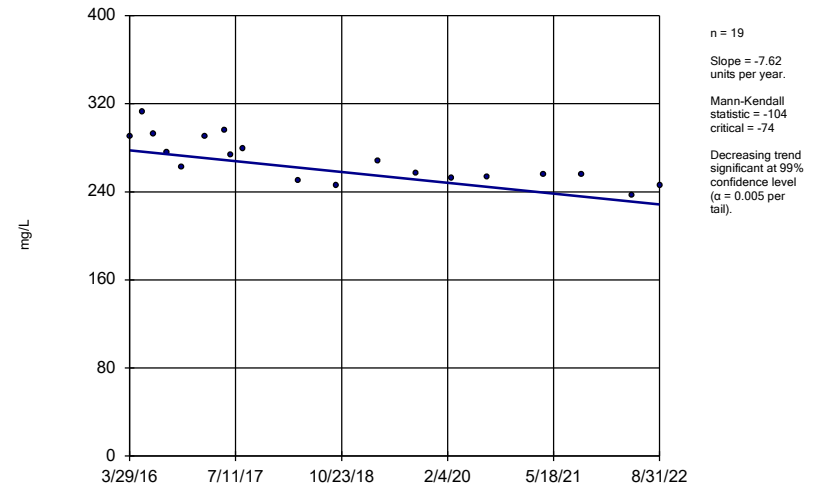
GN-AP-MW-7



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

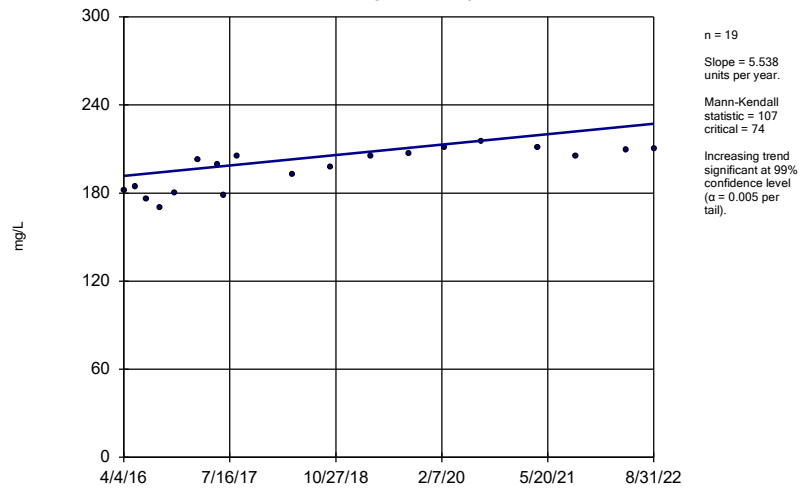
GN-AP-MW-8



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Sen's Slope Estimator

GN-AP-MW-9



Constituent: TDS Analysis Run 10/31/2022 3:00 PM View: Appendix III - Trend Test
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

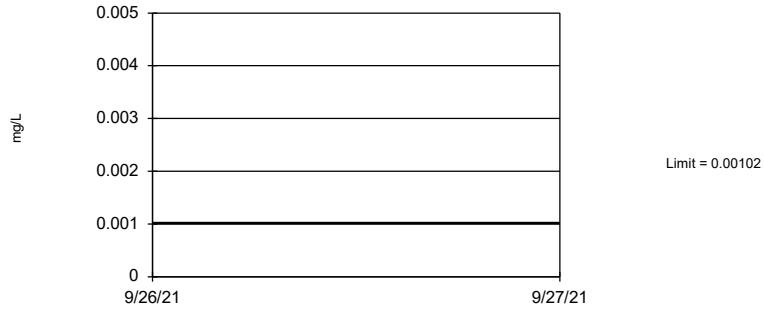
FIGURE F.

Upper Tolerance Limits - Appendix IV

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 1/6/2022, 6:28 PM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	92.5	n/a	0.1285	NP Inter
Arsenic (mg/L)	0.00105	n/a	n/a	n/a	n/a	40	72.5	n/a	0.1285	NP Inter
Barium (mg/L)	0.0283	n/a	n/a	n/a	n/a	40	0	n/a	0.1285	NP Inter
Beryllium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Cadmium (mg/L)	0.000855	n/a	n/a	n/a	n/a	40	95	n/a	0.1285	NP Inter
Chromium (mg/L)	0.01	n/a	n/a	n/a	n/a	40	70	n/a	0.1285	NP Inter
Cobalt (mg/L)	0.00168	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Combined Radium 226 + 228 (pCi/L)	3	n/a	n/a	n/a	n/a	38	0	n/a	0.1424	NP Inter
Fluoride (mg/L)	0.181	n/a	n/a	n/a	n/a	42	57.14	n/a	0.116	NP Inter
Lead (mg/L)	0.00128	n/a	n/a	n/a	n/a	40	87.5	n/a	0.1285	NP Inter
Lithium (mg/L)	0.02	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Mercury (mg/L)	0.0005	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Molybdenum (mg/L)	0.00856	n/a	n/a	n/a	n/a	40	32.5	n/a	0.1285	NP Inter
Selenium (mg/L)	0.00102	n/a	n/a	n/a	n/a	40	100	n/a	0.1285	NP Inter
Thallium (mg/L)	0.000648	n/a	n/a	n/a	n/a	40	82.5	n/a	0.1285	NP Inter

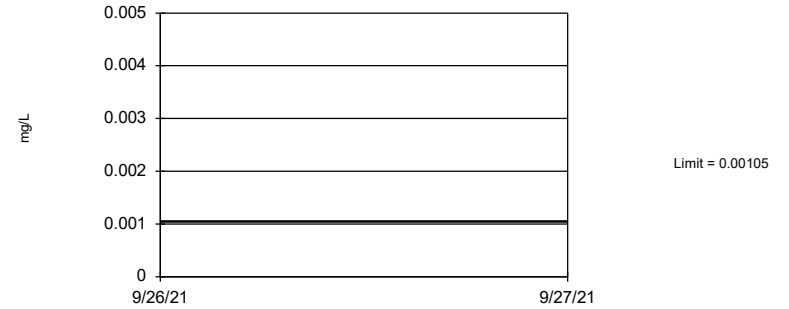
Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 92.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Antimony Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

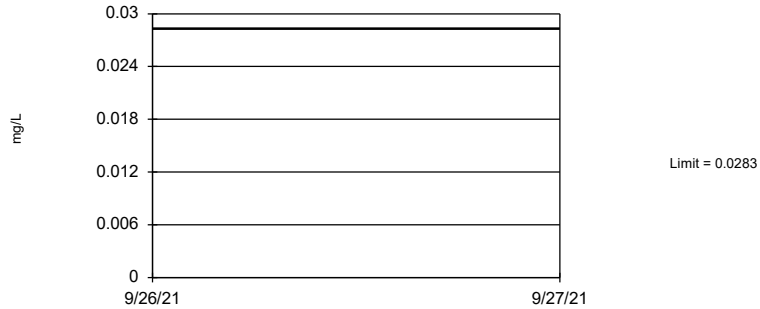
Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 72.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Arsenic Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Barium Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

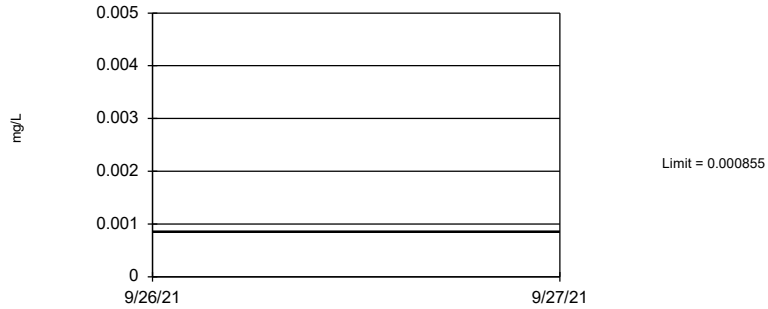
Tolerance Limit Interwell Non-parametric



NP test selected by user. All background values were censored; limit is most recent reporting limit. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Beryllium Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 95% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Cadmium Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

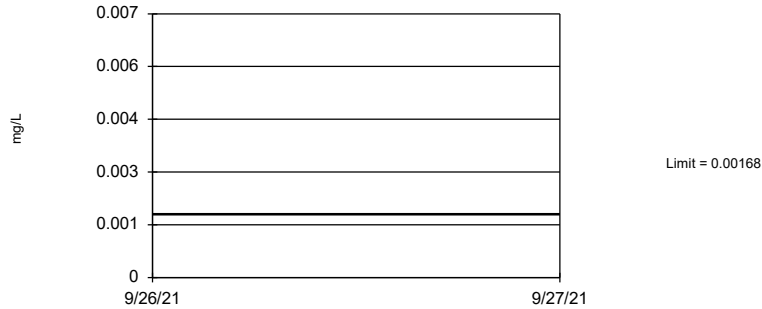
Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 70% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Chromium Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 87.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Cobalt Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

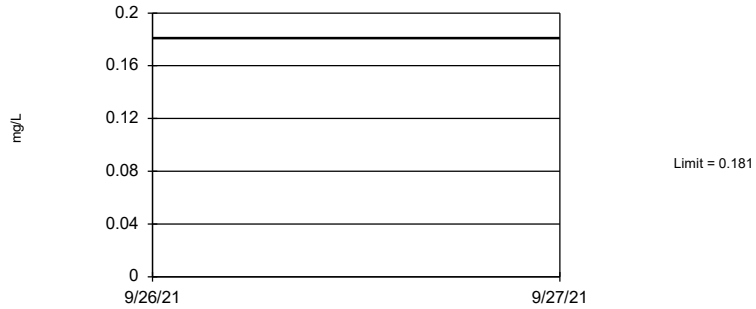
Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 38 background values. 88.48% coverage at alpha=0.01; 92.38% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1424.

Constituent: Combined Radium 226 + 228 Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

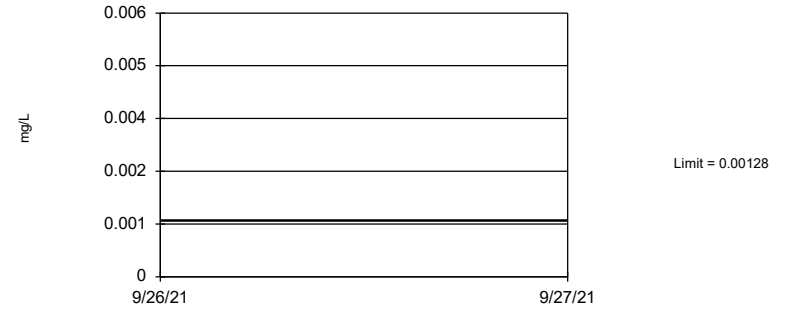
Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 42 background values. 57.14% NDs. 89.65% coverage at alpha=0.01; 93.16% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.116.

Constituent: Fluoride Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 87.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Lead Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

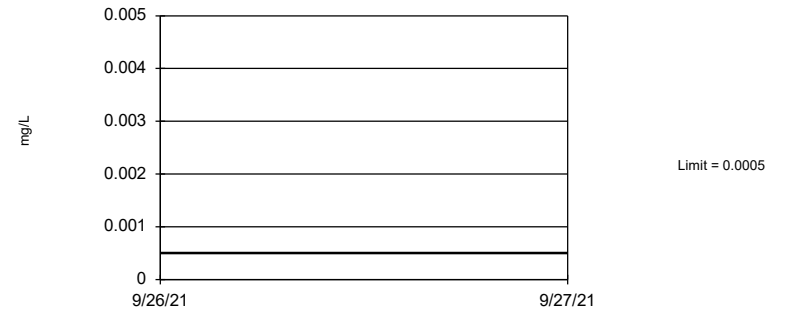
Tolerance Limit Interwell Non-parametric



NP test selected by user. All background values were censored; limit is most recent reporting limit. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Lithium Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

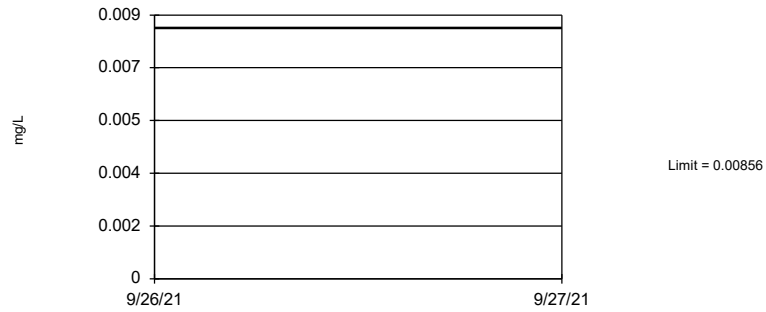
Tolerance Limit Interwell Non-parametric



NP test selected by user. All background values were censored; limit is most recent reporting limit. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Mercury Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

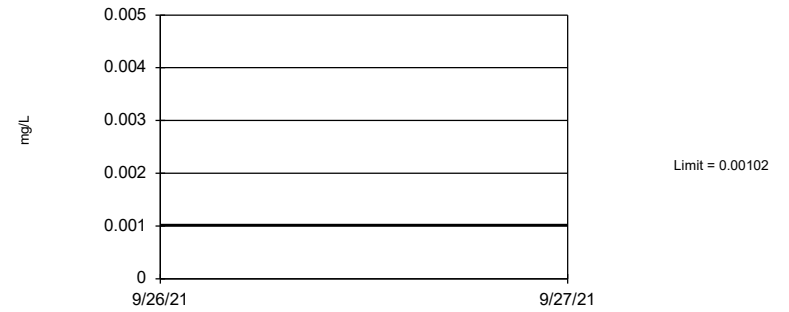
Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 32.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Molybdenum Analysis Run 1/6/2022 6:27 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

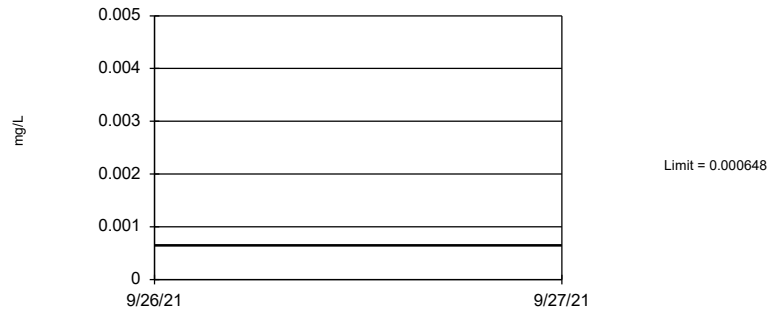
Tolerance Limit Interwell Non-parametric



NP test selected by user. All background values were censored; limit is most recent reporting limit. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Selenium Analysis Run 1/6/2022 6:28 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Tolerance Limit Interwell Non-parametric



NP test selected by user. Limit is highest of 40 background values. 82.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

Constituent: Thallium Analysis Run 1/6/2022 6:28 PM View: UTLs
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

FIGURE G.

GASTON AP GWPS			
Analyte	Units	Background	GWPS
Antimony	mg/L	0.00102	0.006
Arsenic	mg/L	0.00105	0.01
Barium	mg/L	0.0283	2
Beryllium	mg/L	0.00102	0.004
Cadmium	mg/L	0.000855	0.005
Chromium	mg/L	0.01	0.1
Cobalt	mg/L	0.00168	0.006
Combined Radium-226/228	pCi/L	3	5
Fluoride	mg/L	0.181	4
Lead	mg/L	0.00128	0.015
Lithium	mg/L	0.02	0.04
Mercury	mg/L	0.0005	0.002
Molybdenum	mg/L	0.00856	0.1
Selenium	mg/L	0.00102	0.05
Thallium	mg/L	0.000648	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 H.

Confidence Intervals - Significant Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-20	15.91	11.48	5	Yes	8	4.777	0	x^4	0.01	Param.
Lithium (mg/L)	GN-AP-MW-16	0.1315	0.08514	0.04	Yes	8	0.02185	0	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.09	0.716	0.04	Yes	8	0.1588	0	No	0.004	NP (normality)
Lithium (mg/L)	GN-AP-MW-18	0.05114	0.04339	0.04	Yes	8	0.003811	0	x^2	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1379	0.1171	0.04	Yes	8	0.009783	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-15R	0.307	0.137	0.1	Yes	8	0.06934	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.311	0.1	Yes	8	0.1072	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.303	2.422	0.1	Yes	8	0.4161	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-20	0.8402	0.7893	0.1	Yes	8	0.024	0	No	0.01	Param.

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GN-AP-MW-12	0.001015	0.000871	0.006	No	8	0.00005091	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-14	0.001015	0.000939	0.006	No	8	0.00002687	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-15R	0.001015	0.000998	0.006	No	8	0.00000601	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-17	0.001089	0.0005602	0.006	No	8	0.0002272	50	No	0.01	Param.
Antimony (mg/L)	GN-AP-MW-19	0.00123	0.001015	0.006	No	8	0.00007601	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-6	0.001015	0.000819	0.006	No	8	0.0000693	87.5	No	0.004	NP (NDs)
Antimony (mg/L)	GN-AP-MW-7	0.001015	0.00089	0.006	No	8	0.00004419	87.5	No	0.004	NP (NDs)
Arsenic (mg/L)	GN-AP-MW-10	0.005	0.000173	0.01	No	8	0.002544	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-11	0.005	0.000164	0.01	No	8	0.002572	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-12	0.00596	0.002292	0.01	No	8	0.00173	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-13	0.005	0.00043	0.01	No	8	0.002387	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-14	0.005	0.000441	0.01	No	8	0.002259	37.5	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-15R	0.002352	0.000498	0.01	No	8	0.001482	12.5	ln(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-16	0.005695	0.004657	0.01	No	8	0.0004896	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-17	0.01097	0.00833	0.01	No	8	0.001248	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-18	0.0067	0.00265	0.01	No	8	0.001384	0	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-19	0.002771	0.001989	0.01	No	8	0.000386	0	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-20	0.004288	0.003607	0.01	No	8	0.0003211	0	No	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-21	0.001877	0.001003	0.01	No	8	0.0004434	0	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GN-AP-MW-22	0.005	0.00015	0.01	No	8	0.002413	37.5	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-4	0.005	0.000129	0.01	No	8	0.002591	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-5	0.005	0.000148	0.01	No	8	0.002582	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-6	0.005	0.0000955	0.01	No	8	0.002598	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-7	0.005	0.000101	0.01	No	8	0.002587	50	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-8	0.005	0.00107	0.01	No	8	0.001342	12.5	No	0.004	NP (normality)
Arsenic (mg/L)	GN-AP-MW-9	0.003031	0.002224	0.01	No	8	0.0003809	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-10	0.01409	0.01294	2	No	8	0.0005436	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-11	0.009667	0.008366	2	No	8	0.0006139	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-12	0.08046	0.07302	2	No	8	0.003511	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-13	0.04274	0.03736	2	No	8	0.002537	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-14	0.07875	0.06373	2	No	8	0.007087	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-15R	0.07524	0.05399	2	No	8	0.01003	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-16	0.05685	0.03213	2	No	8	0.01166	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-17	0.13	0.1017	2	No	8	0.01335	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-18	0.05455	0.04655	2	No	8	0.003775	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-19	0.01905	0.01408	2	No	8	0.002345	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-20	0.06295	0.05555	2	No	8	0.003492	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-21	0.04665	0.02273	2	No	8	0.01129	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-22	0.04606	0.03009	2	No	8	0.007534	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-4	0.0344	0.0151	2	No	8	0.006804	0	No	0.004	NP (normality)
Barium (mg/L)	GN-AP-MW-5	0.03423	0.02222	2	No	8	0.00567	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-6	0.02521	0.02159	2	No	8	0.001712	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-7	0.02714	0.01979	2	No	8	0.003465	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-8	0.02048	0.01732	2	No	8	0.001494	0	No	0.01	Param.
Barium (mg/L)	GN-AP-MW-9	0.116	0.1047	2	No	8	0.005317	0	No	0.01	Param.
Cadmium (mg/L)	GN-AP-MW-16	0.000203	0.00008	0.005	No	8	0.0000526	75	No	0.004	NP (NDs)
Cadmium (mg/L)	GN-AP-MW-17	0.0004918	0.000305	0.005	No	8	0.0001256	37.5	No	0.01	Param.
Cadmium (mg/L)	GN-AP-MW-20	0.000203	0.00008	0.005	No	8	0.00005221	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-10	0.001015	0.00025	0.1	No	8	0.0003891	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-11	0.001015	0.00065	0.1	No	8	0.0001414	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-12	0.001015	0.000278	0.1	No	8	0.0003515	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-13	0.001015	0.00027	0.1	No	8	0.0003791	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-14	0.001015	0.000234	0.1	No	8	0.0003997	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-15R	0.001015	0.00027	0.1	No	8	0.0003545	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-16	0.001015	0.00021	0.1	No	8	0.0003804	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-17	0.001015	0.00028	0.1	No	8	0.0003542	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-18	0.001015	0.00024	0.1	No	8	0.0003771	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-19	0.001015	0.00024	0.1	No	8	0.0003782	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-20	0.00186	0.00029	0.1	No	8	0.0004795	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-21	0.001015	0.00032	0.1	No	8	0.0003104	75	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-22	0.001015	0.00026	0.1	No	8	0.0003743	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-4	0.001015	0.00055	0.1	No	8	0.0001714	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-5	0.001015	0.000268	0.1	No	8	0.0003784	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-6	0.001015	0.000259	0.1	No	8	0.0003693	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-7	0.001015	0.00035	0.1	No	8	0.0003171	62.5	No	0.004	NP (NDs)
Chromium (mg/L)	GN-AP-MW-8	0.001015	0.00031	0.1	No	8	0.0003666	50	No	0.004	NP (normality)
Chromium (mg/L)	GN-AP-MW-9	0.001015	0.000286	0.1	No	8	0.0003835	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-12	0.0002009	0.0001212	0.006	No	8	0.00003449	50	x^3	0.01	Param.

Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	GN-AP-MW-13	0.000203	0.000094	0.006	No	8	0.00004274	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-15R	0.0004	0.000193	0.006	No	8	0.00008044	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-16	0.000978	0.000203	0.006	No	8	0.0003493	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-18	0.00194	0.000203	0.006	No	8	0.0007233	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-19	0.000203	0.0000907	0.006	No	8	0.00004649	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-21	0.00116	0.000203	0.006	No	8	0.0004152	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-22	0.000334	0.00015	0.006	No	8	0.00007163	50	No	0.004	NP (normality)
Cobalt (mg/L)	GN-AP-MW-4	0.000203	0.000078	0.006	No	8	0.00004419	87.5	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-5	0.000203	0.00009	0.006	No	8	0.00005396	62.5	No	0.004	NP (NDs)
Cobalt (mg/L)	GN-AP-MW-8	0.000203	0.0000945	0.006	No	8	0.00003836	87.5	No	0.004	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-10	0.6896	0.2082	5	No	8	0.2271	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-11	0.4699	0.07464	5	No	8	0.1864	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-12	1.564	0.7946	5	No	8	0.3631	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-13	0.9656	0.5404	5	No	8	0.2006	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-14	1.453	0.202	5	No	8	0.59	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-15R	1.694	0.7204	5	No	8	0.5123	0	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-16	4.693	3.23	5	No	8	0.6902	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-17	1.786	0.7954	5	No	8	0.4673	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-18	2.005	1.155	5	No	8	0.4007	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-19	1.253	0.2471	5	No	8	0.4743	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-20	15.91	11.48	5	Yes	8	4.777	0	x^4	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-21	0.8793	0.1185	5	No	8	0.3589	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-22	0.8006	0.3004	5	No	8	0.236	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-4	0.9802	0.3653	5	No	8	0.2901	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-5	1.267	0.4131	5	No	8	0.4029	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-6	0.724	0.283	5	No	8	0.208	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-7	0.7639	0.3736	5	No	8	0.1841	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-8	0.6041	0.09271	5	No	8	0.2412	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GN-AP-MW-9	0.9364	0.2418	5	No	8	0.3277	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-10	0.125	0.051	4	No	8	0.03181	62.5	No	0.004	NP (NDs)
Fluoride (mg/L)	GN-AP-MW-11	0.125	0.0546	4	No	8	0.03085	62.5	No	0.004	NP (NDs)
Fluoride (mg/L)	GN-AP-MW-12	0.125	0.0538	4	No	8	0.03212	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-13	0.125	0.06	4	No	8	0.02751	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-14	0.1354	0.08132	4	No	8	0.02549	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-15R	0.1051	0.07766	4	No	8	0.01296	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-16	0.1464	0.098	4	No	8	0.02283	0	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-17	0.204	0.1395	4	No	8	0.03282	0	x^2	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-18	0.125	0.0551	4	No	8	0.0306	37.5	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-19	0.125	0.0507	4	No	8	0.0329	37.5	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-20	0.125	0.0566	4	No	8	0.03164	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-21	0.125	0.0739	4	No	8	0.02454	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-22	0.09076	0.06268	4	No	8	0.02549	25	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-4	0.125	0.0506	4	No	8	0.03068	62.5	No	0.004	NP (NDs)
Fluoride (mg/L)	GN-AP-MW-5	0.08848	0.05422	4	No	8	0.02899	25	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-6	0.125	0.0586	4	No	8	0.02904	50	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-7	0.125	0.052	4	No	8	0.03357	37.5	No	0.004	NP (normality)
Fluoride (mg/L)	GN-AP-MW-8	0.1252	0.0845	4	No	8	0.01918	12.5	No	0.01	Param.
Fluoride (mg/L)	GN-AP-MW-9	0.163	0.105	4	No	8	0.0274	0	No	0.01	Param.
Lead (mg/L)	GN-AP-MW-13	0.000203	0.000106	0.015	No	8	0.00003429	87.5	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-19	0.000203	0.00019	0.015	No	8	0.00004596	87.5	No	0.004	NP (NDs)
Lead (mg/L)	GN-AP-MW-5	0.000203	0.0001	0.015	No	8	0.00004765	50	No	0.004	NP (normality)
Lithium (mg/L)	GN-AP-MW-15R	0.1371	0.02342	0.04	No	8	0.06342	0	x^(1/3)	0.01	Param.
Lithium (mg/L)	GN-AP-MW-16	0.1315	0.08514	0.04	Yes	8	0.02185	0	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-17	1.09	0.716	0.04	Yes	8	0.1588	0	No	0.004	NP (normality)
Lithium (mg/L)	GN-AP-MW-18	0.05114	0.04339	0.04	Yes	8	0.003811	0	x^2	0.01	Param.
Lithium (mg/L)	GN-AP-MW-20	0.1379	0.1171	0.04	Yes	8	0.009783	0	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-5	0.03259	0.004877	0.04	No	8	0.0118	37.5	No	0.01	Param.
Lithium (mg/L)	GN-AP-MW-6	0.02	0.00779	0.04	No	8	0.004276	75	No	0.004	NP (NDs)
Molybdenum (mg/L)	GN-AP-MW-10	0.01	0.000158	0.1	No	8	0.005239	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-11	0.01	0.00026	0.1	No	8	0.00518	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-12	0.01	0.000272	0.1	No	8	0.005176	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-13	0.01	0.0003	0.1	No	8	0.005178	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-14	0.01	0.000298	0.1	No	8	0.005074	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-15R	0.307	0.137	0.1	Yes	8	0.06934	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-16	0.538	0.311	0.1	Yes	8	0.1072	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-17	3.303	2.422	0.1	Yes	8	0.4161	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-18	0.069	0.0214	0.1	No	8	0.02004	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-19	0.01426	0.01287	0.1	No	8	0.0006567	0	No	0.01	Param.

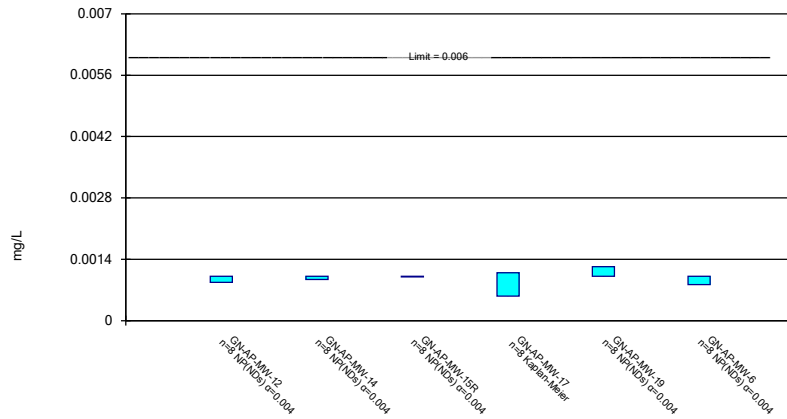
Confidence Intervals - All Results

Plant Gaston Client: Southern Company Data: Gaston Ash Pond Printed 10/28/2022, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	Transform	Alpha	Method
Molybdenum (mg/L)	GN-AP-MW-20	0.8402	0.7893	0.1	Yes	8	0.024	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-21	0.01439	0.006781	0.1	No	8	0.003587	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-22	0.07796	0.03629	0.1	No	8	0.01966	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-4	0.01	0.000137	0.1	No	8	0.00522	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-5	0.261	0.0384	0.1	No	8	0.08945	0	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-6	0.01709	0.009168	0.1	No	8	0.003737	0	No	0.01	Param.
Molybdenum (mg/L)	GN-AP-MW-7	0.01	0.00021	0.1	No	8	0.005213	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-8	0.01	0.00072	0.1	No	8	0.00489	50	No	0.004	NP (normality)
Molybdenum (mg/L)	GN-AP-MW-9	0.01	0.000821	0.1	No	8	0.00477	50	No	0.004	NP (normality)
Selenium (mg/L)	GN-AP-MW-10	0.00102	0.000532	0.05	No	8	0.0002218	75	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-17	0.0002	0.00008	0.002	No	8	0.00005308	75	No	0.004	NP (NDs)
Thallium (mg/L)	GN-AP-MW-18	0.0004797	0.0003646	0.002	No	8	0.00005428	0	No	0.01	Param.

Parametric and Non-Parametric (NP) Confidence Interval

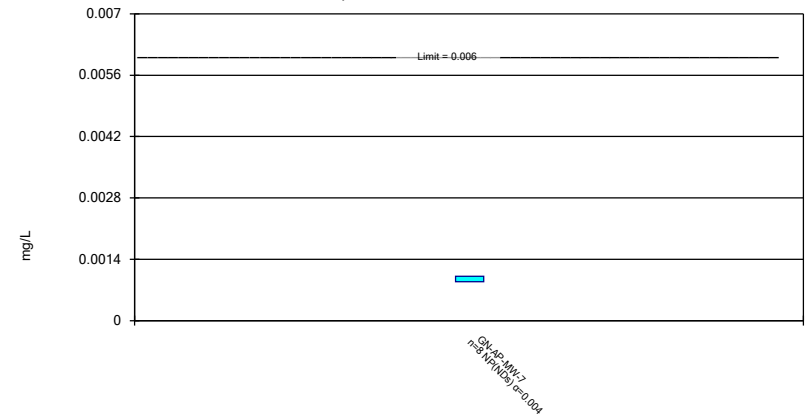
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Constituent: Antimony Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

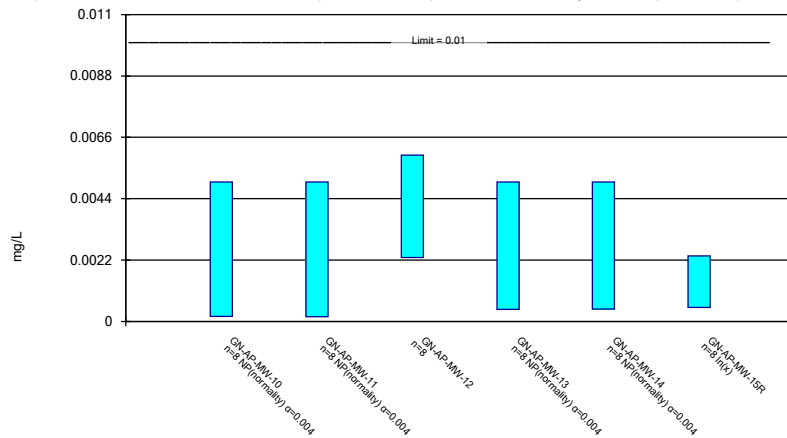
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Constituent: Antimony Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

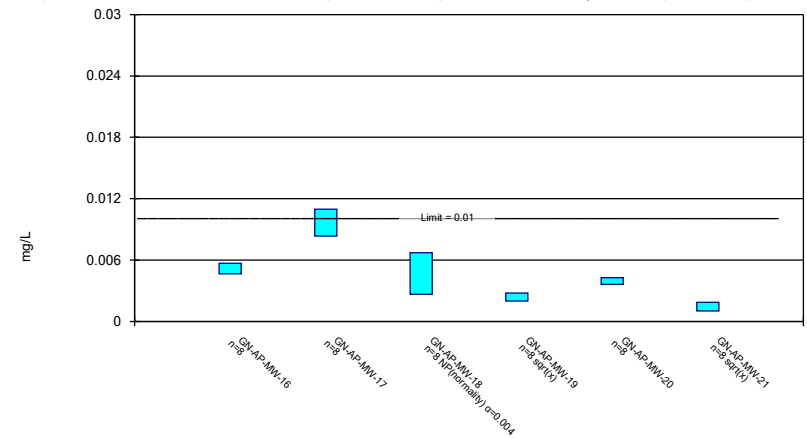
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Constituent: Arsenic Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

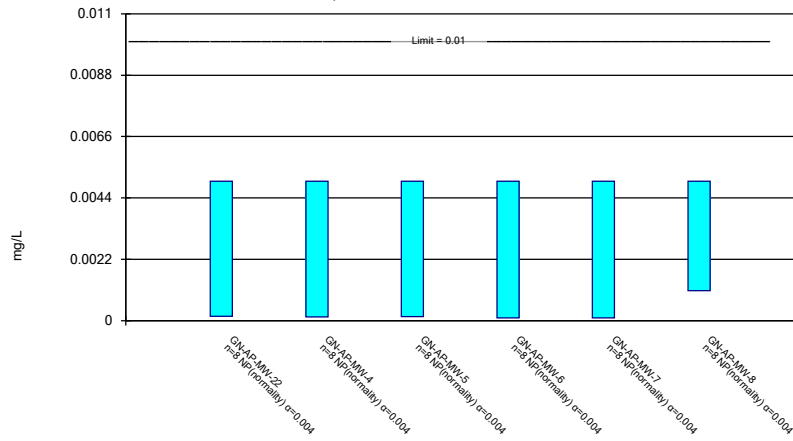
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Constituent: Arsenic Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

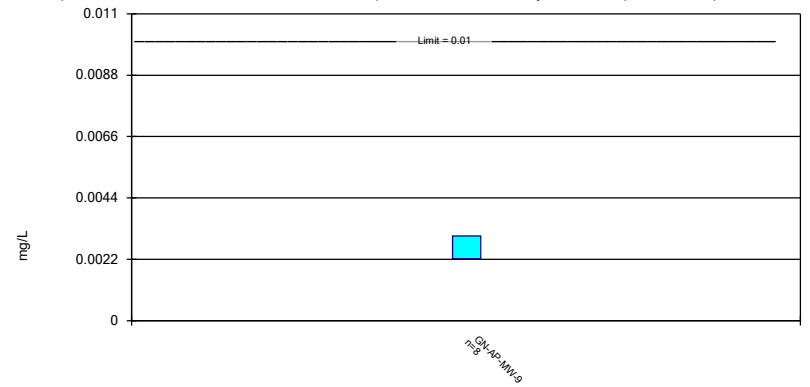
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Constituent: Arsenic Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

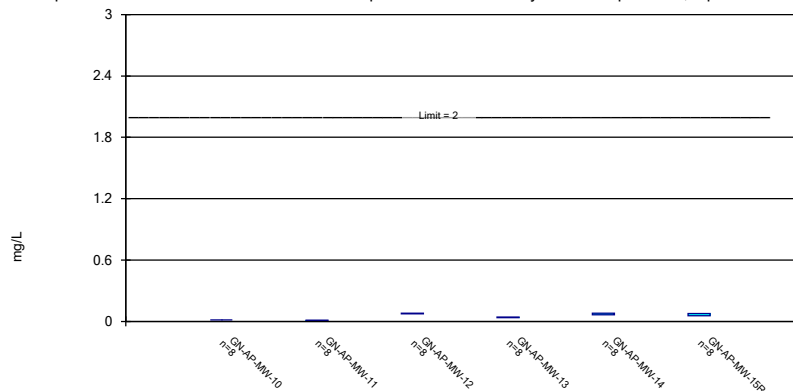
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Constituent: Arsenic Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

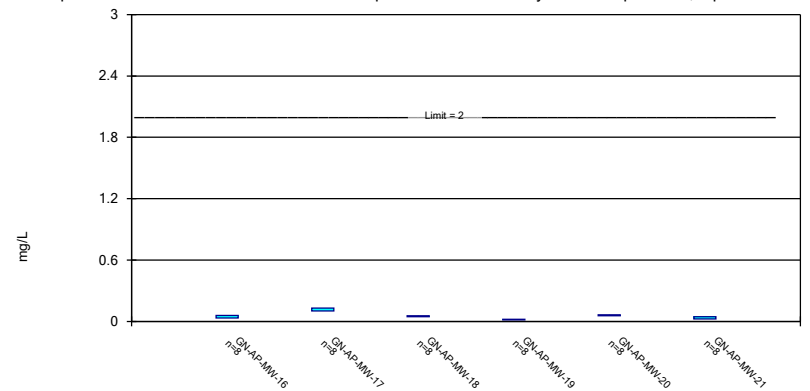
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Constituent: Barium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

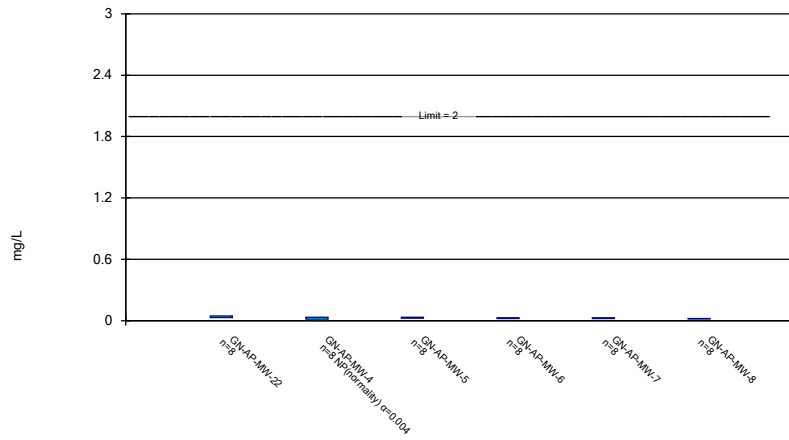
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Constituent: Barium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

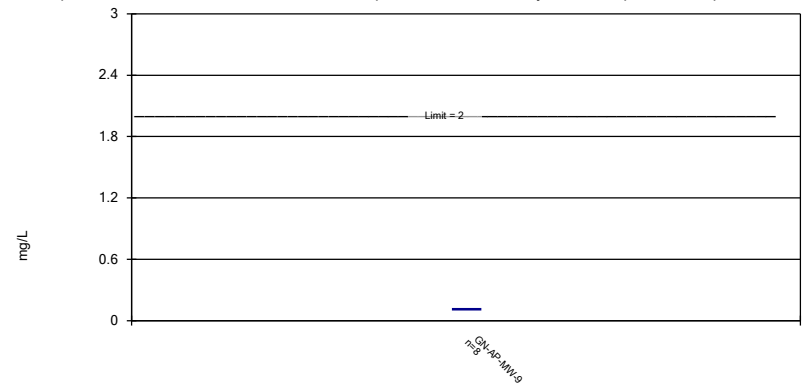
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Constituent: Barium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

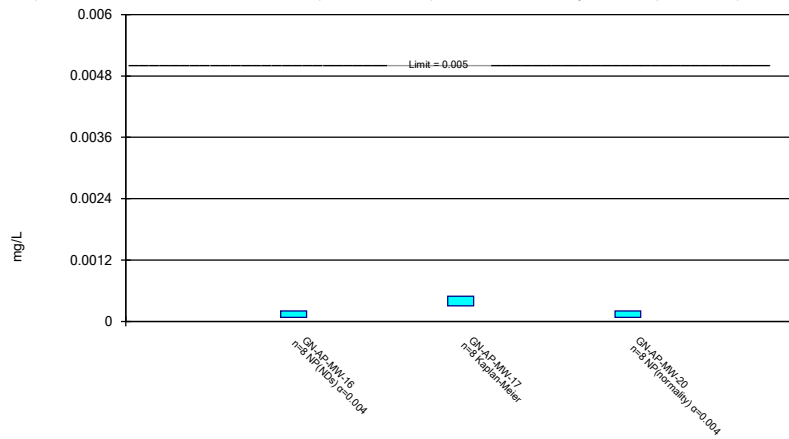
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Constituent: Barium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

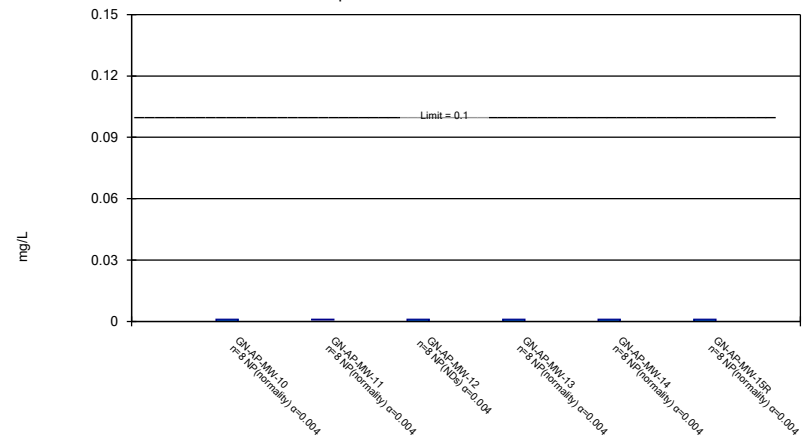
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Constituent: Cadmium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

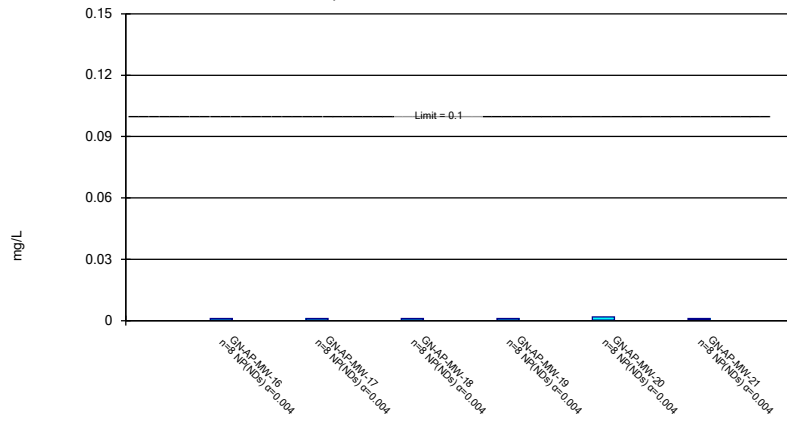
Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



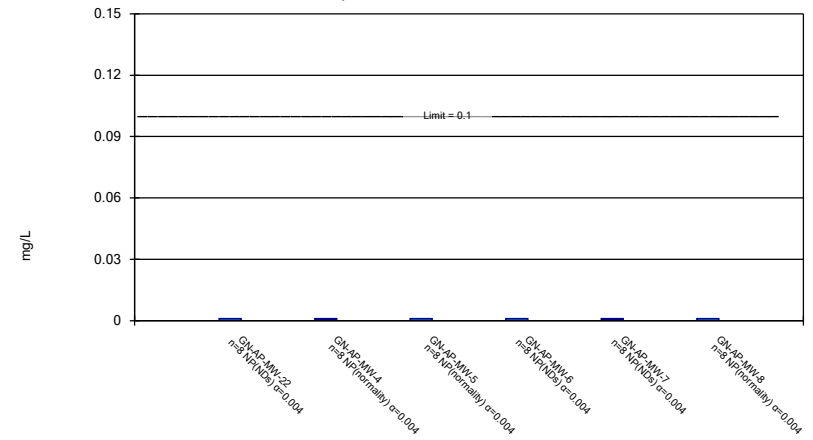
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval Compliance Limit is not exceeded.



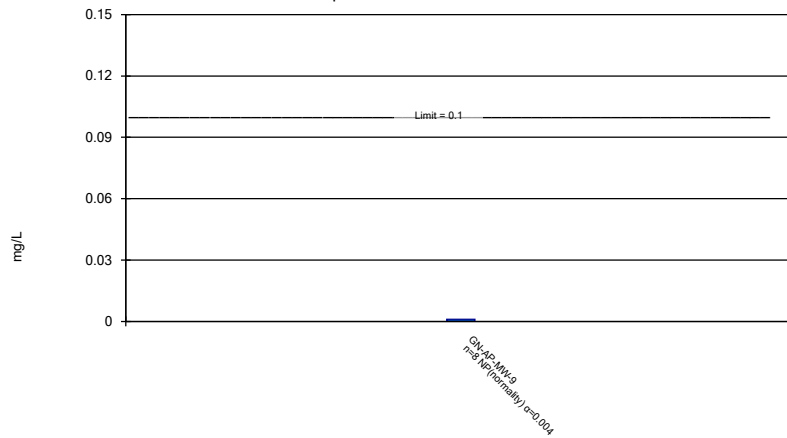
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Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval Compliance Limit is not exceeded.



Constituent: Chromium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

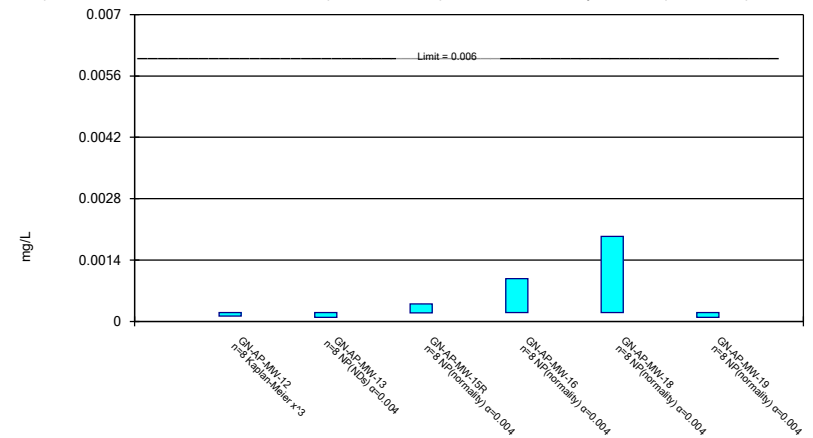
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Constituent: Chromium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

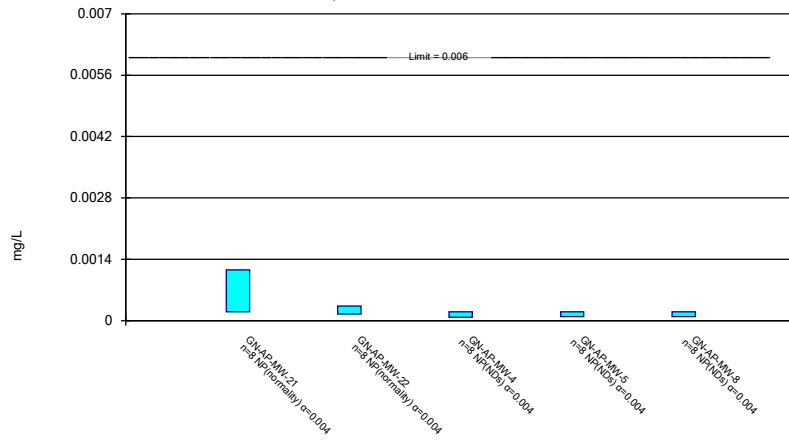
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Constituent: Cobalt Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

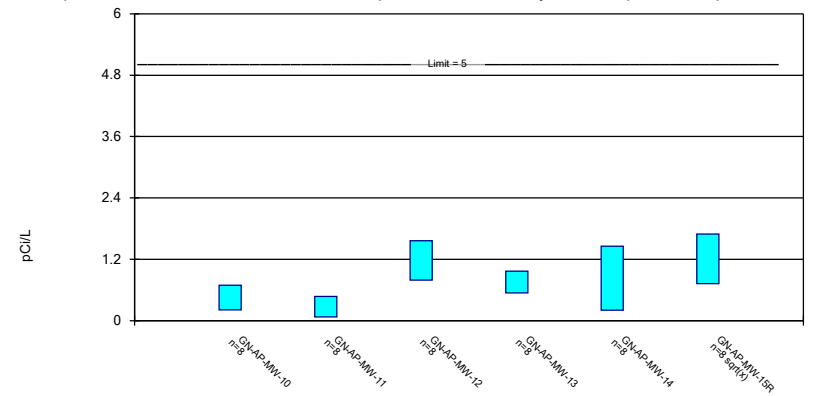
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Constituent: Cobalt Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

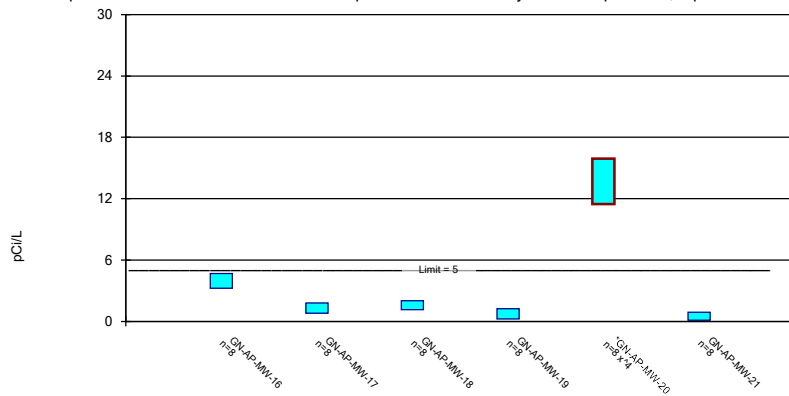
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2022 12:00 PM View: Constituents View -
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

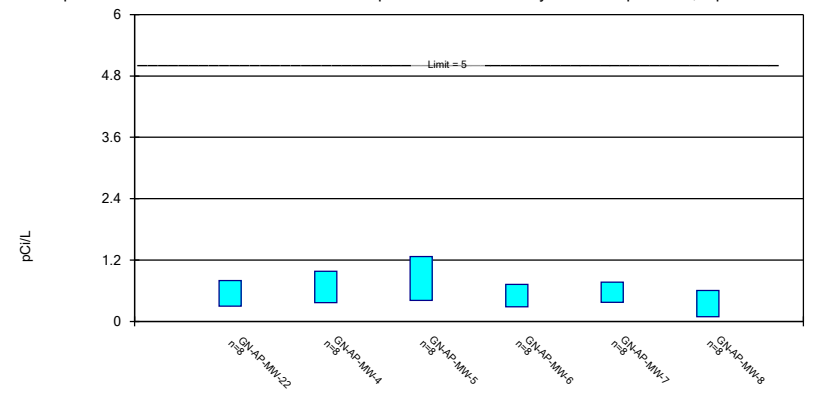
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2022 12:00 PM View: Constituents View -
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

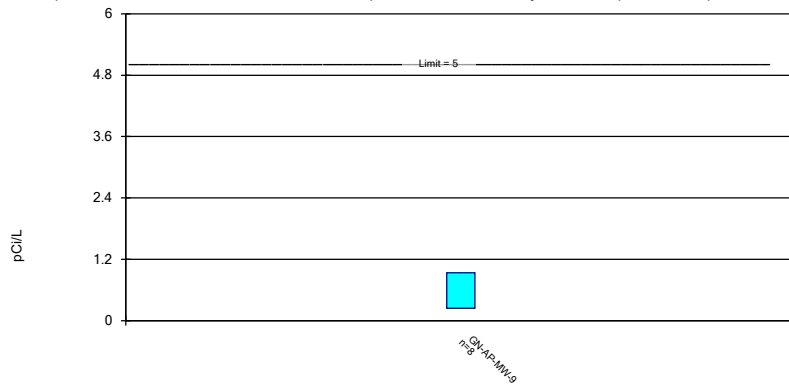
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2022 12:00 PM View: Constituents View -
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

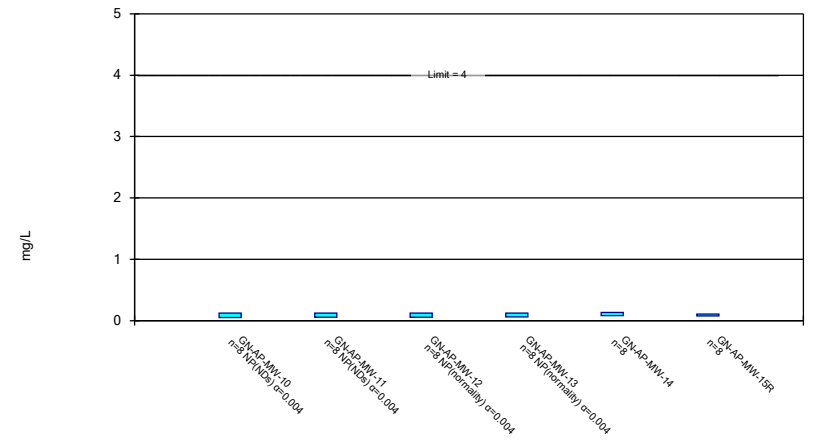
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/28/2022 12:00 PM View: Constituents View - Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

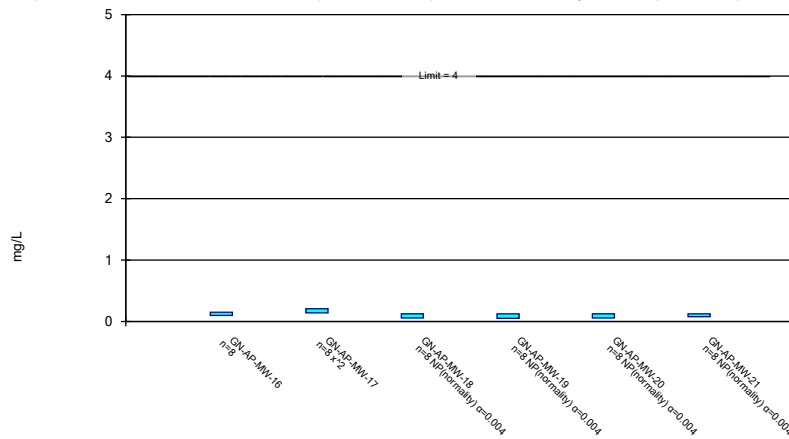
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

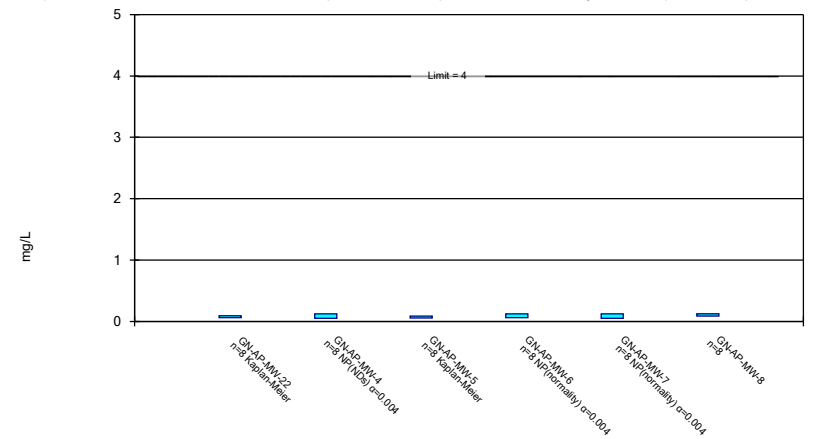
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

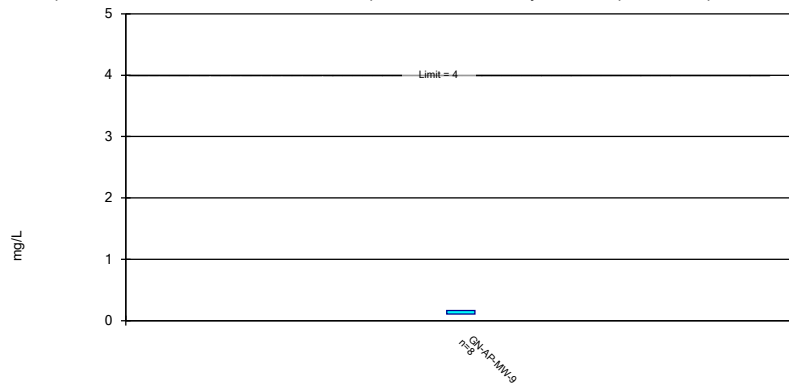
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric Confidence Interval

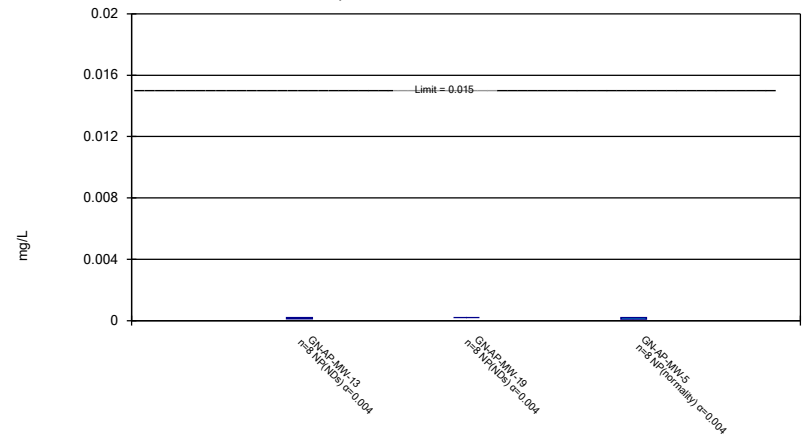
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

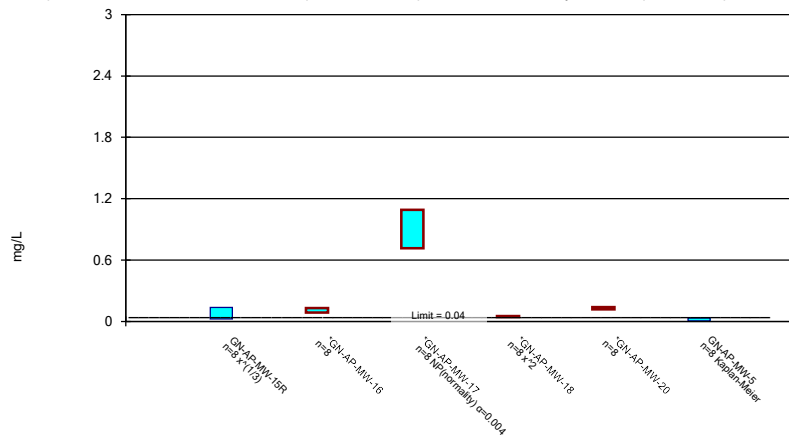
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

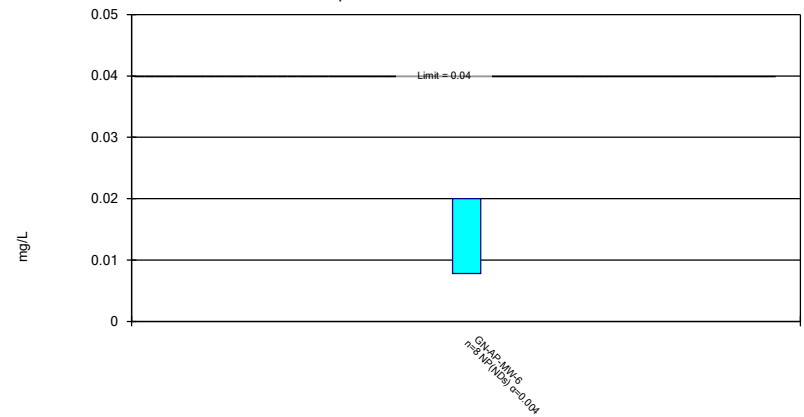
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

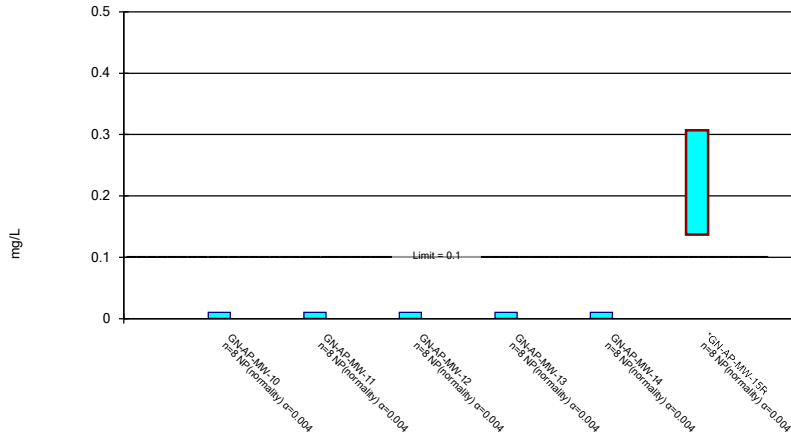
Compliance Limit is not exceeded.



Constituent: Lithium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

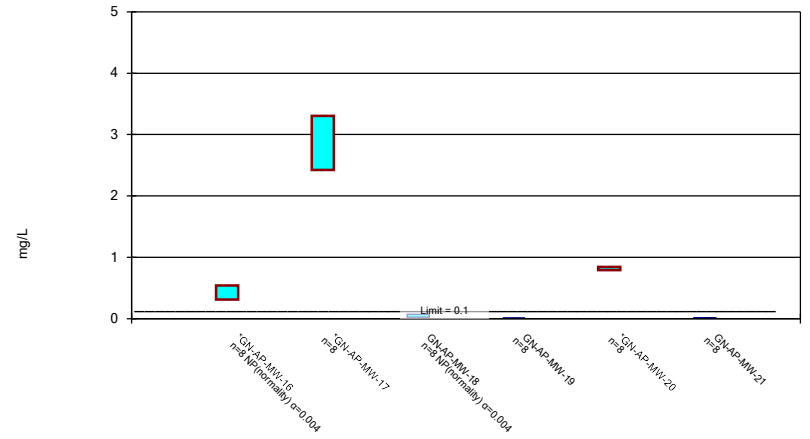
Compliance limit is exceeded.*



Constituent: Molybdenum Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

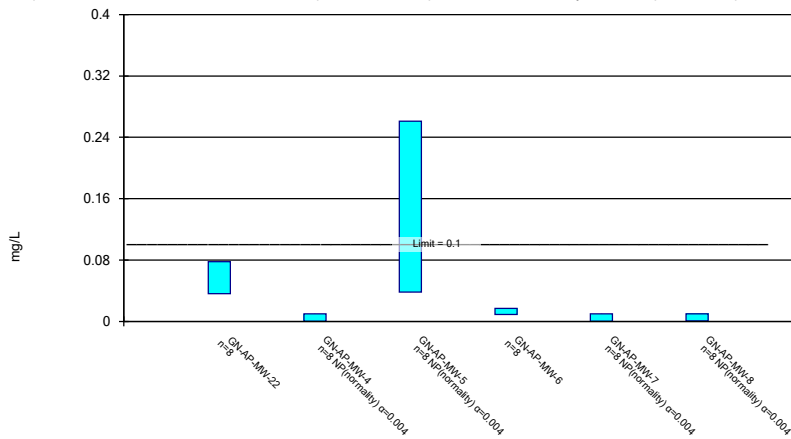
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Parametric and Non-Parametric (NP) Confidence Interval

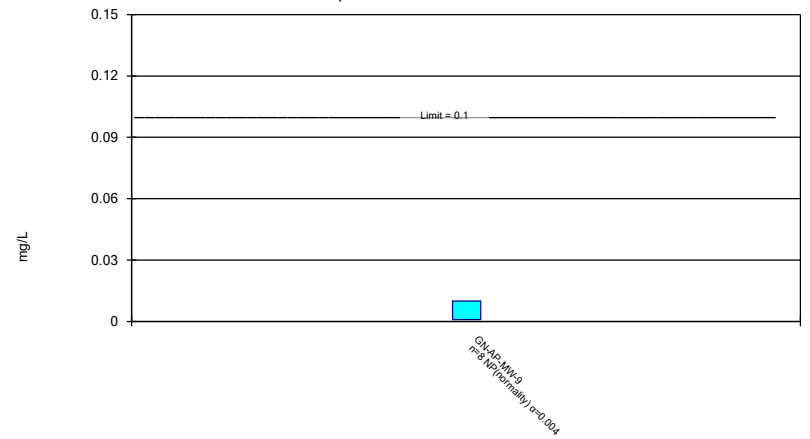
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

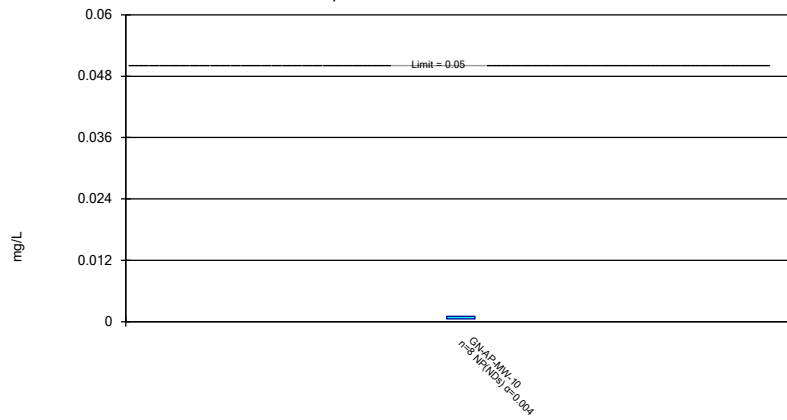
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Non-Parametric Confidence Interval

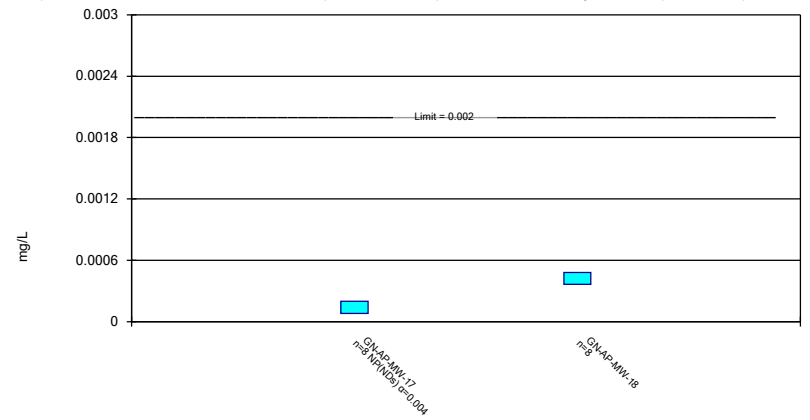
Compliance Limit is not exceeded.



Constituent: Selenium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston 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: Thallium Analysis Run 10/28/2022 12:00 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-12	GN-AP-MW-14	GN-AP-MW-15R	GN-AP-MW-17	GN-AP-MW-19	GN-AP-MW-6
4/1/2019					0.00123 (J)	
4/2/2019						0.000819 (J)
4/3/2019	0.000871 (J)	0.000939 (J)		0.00135 (J)		
5/7/2019			0.000998 (J)			
9/16/2019	<0.001015					
9/17/2019		<0.001015		<0.001015		
9/18/2019			<0.001015		<0.001015	<0.001015
2/18/2020	<0.001015				<0.001015	
2/19/2020		<0.001015				
2/25/2020			<0.001015			
2/26/2020				<0.001015		<0.001015
7/23/2020		<0.001015				
7/27/2020	<0.001015				<0.001015	
7/28/2020			<0.001015			<0.001015
7/29/2020				0.000845 (J)		
4/5/2021	<0.001015				<0.001015	
4/6/2021		<0.001015	<0.001015	0.000633 (J)		
4/7/2021						<0.001015
9/22/2021	<0.001015	<0.001015			<0.001015	
9/27/2021						<0.001015
9/28/2021			<0.001015			
9/29/2021				<0.001015		
4/19/2022					<0.001015	
4/20/2022				0.00068 (J)		
4/27/2022		<0.001015				
5/2/2022			<0.001015			
5/3/2022	<0.001015					<0.001015
8/30/2022				<0.001015	<0.001015	<0.001015
8/31/2022			<0.001015			
9/6/2022	<0.001015	<0.001015				
Mean	0.000997	0.001006	0.001013	0.000946	0.001042	0.0009905
Std. Dev.	5.091E-05	2.687E-05	6.01E-06	0.0002272	7.601E-05	6.93E-05
Upper Lim.	0.001015	0.001015	0.001015	0.001089	0.00123	0.001015
Lower Lim.	0.000871	0.000939	0.000998	0.0005602	0.001015	0.000819

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-7
4/2/2019	0.00089 (J)
9/18/2019	<0.001015
2/26/2020	<0.001015
7/28/2020	<0.001015
4/7/2021	<0.001015
9/27/2021	<0.001015
5/3/2022	<0.001015
8/30/2022	<0.001015
Mean	0.0009994
Std. Dev.	4.419E-05
Upper Lim.	0.001015
Lower Lim.	0.00089

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
4/3/2019	<0.005	<0.005	0.00726	<0.005	<0.005	
5/7/2019						0.0016 (J)
9/16/2019	<0.005	<0.005	0.00538			
9/17/2019				<0.005	0.00108 (J)	
9/18/2019						<0.005
2/17/2020	<0.005	<0.005				
2/18/2020			0.00269 (J)			
2/19/2020				<0.005	<0.005	
2/25/2020						0.00129 (J)
7/22/2020	<0.005	<0.005				
7/23/2020					<0.005	
7/27/2020			0.0041 (J)	<0.005		
7/28/2020						0.00101 (J)
4/5/2021	0.000311	0.000237	0.00276			
4/6/2021				0.000661	0.000441	0.000767
9/21/2021	0.00024	0.00017 (J)				
9/22/2021			0.00529	0.00052	0.00057	
9/28/2021						0.00084
4/27/2022					0.00059	
5/2/2022	0.00024	0.00018 (J)		0.00043		0.00058
5/3/2022			0.00223			
8/31/2022	0.000173 (J)					0.000483
9/6/2022		0.000164 (J)	0.0033		0.000568	
9/7/2022				0.000532		
Mean	0.00262	0.002594	0.004126	0.002768	0.002281	0.001446
Std. Dev.	0.002544	0.002572	0.00173	0.002387	0.002259	0.001482
Upper Lim.	0.005	0.005	0.00596	0.005	0.005	0.002352
Lower Lim.	0.000173	0.000164	0.002292	0.00043	0.000441	0.000498

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
4/1/2019				0.0024 (J)		
4/2/2019						0.00134 (J)
4/3/2019	0.00466 (J)	0.0106	0.0067		0.00398 (J)	
9/16/2019	0.00492 (J)					
9/17/2019		0.0109				
9/18/2019			0.00308 (J)	0.00322 (J)	0.00425 (J)	0.00239 (J)
2/18/2020				0.00196 (J)		
2/25/2020	0.00495 (J)		0.00265 (J)		0.0043 (J)	
2/26/2020		0.011				0.00116 (J)
7/22/2020			0.00331 (J)		0.00349 (J)	
7/27/2020				0.00221 (J)		
7/28/2020	0.00535					0.00166 (J)
7/29/2020		0.00947				
4/5/2021	0.00452			0.00228		
4/6/2021		0.00999	0.00272			
4/7/2021						0.00103
4/12/2021					0.00368	
9/22/2021				0.00221		
9/27/2021						0.00103
9/28/2021	0.00593		0.00416		0.00424	
9/29/2021		0.00941				
4/19/2022				0.00215		
4/20/2022		0.0084			0.00405	
4/26/2022			0.00281			
4/27/2022	0.00552					
5/3/2022						0.00141
8/30/2022	0.00556	0.00745	0.00265	0.00258	0.00359	0.00144
Mean	0.005176	0.009653	0.00351	0.002376	0.003948	0.001433
Std. Dev.	0.0004896	0.001248	0.001384	0.000386	0.0003211	0.0004434
Upper Lim.	0.005695	0.01097	0.0067	0.002771	0.004288	0.001877
Lower Lim.	0.004657	0.00833	0.00265	0.001989	0.003607	0.001003

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
4/1/2019						0.00177 (J)
4/2/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
9/17/2019		<0.005				0.00112 (J)
9/18/2019	0.00129 (J)		<0.005	<0.005	<0.005	
2/18/2020		<0.005				
2/25/2020						<0.005
2/26/2020	<0.005		<0.005	<0.005	<0.005	
7/27/2020		<0.005				
7/28/2020	<0.005		<0.005	<0.005	<0.005	
7/29/2020						0.00152 (J)
4/5/2021		0.000142 (J)				
4/6/2021						0.00108
4/7/2021	0.000184 (J)		0.000148 (J)	9.55E-05 (J)	0.000194 (J)	
9/21/2021						0.0012
9/27/2021	0.00017 (J)	0.00018 (J)	0.00016 (J)	0.00014 (J)	0.00019 (J)	
5/2/2022		0.00016 (J)				0.00107
5/3/2022	0.00015 (J)		0.00015 (J)	0.00015 (J)	0.00016 (J)	
8/30/2022	0.00018 (J)	0.000129 (J)	0.000217	0.000172 (J)	0.000101 (J)	
8/31/2022						0.00113
Mean	0.002122	0.002576	0.002584	0.00257	0.002581	0.001736
Std. Dev.	0.002413	0.002591	0.002582	0.002598	0.002587	0.001342
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00015	0.000129	0.000148	9.55E-05	0.000101	0.00107

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
4/1/2019	0.00269 (J)
9/17/2019	0.00324 (J)
2/17/2020	0.00246 (J)
7/29/2020	0.00222 (J)
4/5/2021	0.00234
9/21/2021	0.00308
5/2/2022	0.00225
8/31/2022	0.00274
Mean	0.002628
Std. Dev.	0.0003809
Upper Lim.	0.003031
Lower Lim.	0.002224

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
4/3/2019	0.0137	0.00993 (J)	0.073	0.0363	0.0619	
5/7/2019						0.0774
9/16/2019	0.0135	0.00956 (J)	0.0819			
9/17/2019				0.0396	0.0745	
9/18/2019						0.0799
2/17/2020	0.0127	0.0088 (J)				
2/18/2020			0.0726			
2/19/2020				0.0381	0.0653	
2/25/2020						0.0693
7/22/2020	0.0141	0.0082 (J)				
7/23/2020					0.0686	
7/27/2020			0.077	0.0395		
7/28/2020						0.0635
4/5/2021	0.0142	0.00832	0.0751			
4/6/2021				0.0389	0.0659	0.0541
9/21/2021	0.0129	0.00893				
9/22/2021			0.0815	0.0444	0.0739	
9/28/2021						0.0615
4/27/2022					0.0763	
5/2/2022	0.0132	0.00954		0.0414		0.0561
5/3/2022			0.0752			
8/31/2022	0.0138					0.0551
9/6/2022		0.00885	0.0776		0.0835	
9/7/2022				0.0422		
Mean	0.01351	0.009016	0.07674	0.04005	0.07124	0.06461
Std. Dev.	0.0005436	0.0006139	0.003511	0.002537	0.007087	0.01003
Upper Lim.	0.01409	0.009667	0.08046	0.04274	0.07875	0.07524
Lower Lim.	0.01294	0.008366	0.07302	0.03736	0.06373	0.05399

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
4/1/2019				0.0188		
4/2/2019						0.0146
4/3/2019	0.0335	0.105	0.045		0.0599	
9/16/2019	0.0393					
9/17/2019		0.12				
9/18/2019			0.0524	0.0211	0.0651	0.0362
2/18/2020				0.0163		
2/25/2020	0.0353		0.0474		0.0595	
2/26/2020		0.105				0.0339
7/22/2020			0.05		0.0612	
7/27/2020				0.0165		
7/28/2020	0.0355					0.0223
7/29/2020		0.0978				
4/5/2021	0.0421			0.0149		
4/6/2021		0.119	0.0483			
4/7/2021						0.0375
4/12/2021					0.0589	
9/22/2021				0.0162		
9/27/2021						0.0408
9/28/2021	0.051		0.0525		0.0603	
9/29/2021		0.119				
4/19/2022				0.0141		
4/20/2022		0.12			0.0554	
4/26/2022			0.0515			
4/27/2022	0.0514					
5/3/2022						0.0497
8/30/2022	0.0678	0.141	0.0573	0.0146	0.0537	0.0425
Mean	0.04449	0.1159	0.05055	0.01656	0.05925	0.03469
Std. Dev.	0.01166	0.01335	0.003775	0.002345	0.003492	0.01129
Upper Lim.	0.05685	0.13	0.05455	0.01905	0.06295	0.04665
Lower Lim.	0.03213	0.1017	0.04655	0.01408	0.05555	0.02273

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
4/1/2019						0.0209
4/2/2019	0.0471	0.0254	0.0371	0.0243	0.0236	
9/17/2019		0.0344				0.0202
9/18/2019	0.0458		0.0335	0.023	0.029	
2/18/2020		0.0185				
2/25/2020						0.0168
2/26/2020	0.0439		0.0231	0.0254	0.0261	
7/27/2020		0.0207				
7/28/2020	0.0406		0.0332	0.026	0.0248	
7/29/2020						0.0206
4/5/2021		0.0151				
4/6/2021						0.018
4/7/2021	0.0352		0.027	0.0211	0.0245	
9/21/2021						0.0179
9/27/2021	0.036	0.0155	0.0266	0.0223	0.0218	
5/2/2022		0.0153				0.0188
5/3/2022	0.0276		0.0219	0.0232	0.0191	
8/30/2022	0.0284	0.0157	0.0234	0.0219	0.0188	
8/31/2022						0.018
Mean	0.03808	0.02008	0.02823	0.0234	0.02346	0.0189
Std. Dev.	0.007534	0.006804	0.00567	0.001712	0.003465	0.001494
Upper Lim.	0.04606	0.0344	0.03423	0.02521	0.02714	0.02048
Lower Lim.	0.03009	0.0151	0.02222	0.02159	0.01979	0.01732

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
4/1/2019	0.105
9/17/2019	0.118
2/17/2020	0.109
7/29/2020	0.105
4/5/2021	0.104
9/21/2021	0.114
5/2/2022	0.114
8/31/2022	0.114
Mean	0.1104
Std. Dev.	0.005317
Upper Lim.	0.116
Lower Lim.	0.1047

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/28/2022 12:02 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-20
4/3/2019	<0.000203	0.00051 (J)	<0.000203
9/16/2019	<0.000203		
9/17/2019		<0.000203	
9/18/2019			<0.000203
2/25/2020	<0.000203		<0.000203
2/26/2020		<0.000203	
7/22/2020			<0.000203
7/28/2020	<0.000203		
7/29/2020		<0.000203	
4/5/2021	9.99E-05 (J)		
4/6/2021		0.000391	
4/12/2021			0.000123 (J)
9/28/2021	<0.000203		8E-05 (J)
9/29/2021		0.00034	
4/20/2022		0.00048	0.00013 (J)
4/27/2022	8E-05 (J)		
8/30/2022	<0.000203	0.000271	0.000104 (J)
Mean	0.0001747	0.0003251	0.0001561
Std. Dev.	5.26E-05	0.0001256	5.221E-05
Upper Lim.	0.000203	0.0004918	0.000203
Lower Lim.	8E-05	0.000305	8E-05

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
4/3/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	
5/7/2019						<0.001015
9/16/2019	<0.001015	<0.001015	<0.001015			
9/17/2019				<0.001015	<0.001015	
9/18/2019						<0.001015
2/17/2020	<0.001015	<0.001015				
2/18/2020			<0.001015			
2/19/2020				<0.001015	<0.001015	
2/25/2020						<0.001015
7/22/2020	<0.001015	<0.001015				
7/23/2020					<0.001015	
7/27/2020			<0.001015	<0.001015		
7/28/2020						<0.001015
4/5/2021	0.000275 (J)	0.000743 (J)	0.000278 (J)			
4/6/2021				0.000353 (J)	0.000234 (J)	0.000777 (J)
9/21/2021	0.00025 (J)	0.00092 (J)				
9/22/2021			0.00039 (J)	0.00032 (J)	0.0003 (J)	
9/28/2021						0.00031 (J)
4/27/2022					0.00025 (J)	
5/2/2022	0.00026 (J)	0.00065 (J)		0.00027 (J)		0.00027 (J)
5/3/2022			<0.001015			
8/31/2022	0.000378 (J)					0.000323 (J)
9/6/2022		0.000929 (J)	0.000347 (J)		0.000289 (J)	
9/7/2022				0.000286 (J)		
Mean	0.0006529	0.0009128	0.0007613	0.0006611	0.0006416	0.0007175
Std. Dev.	0.0003891	0.0001414	0.0003515	0.0003791	0.0003997	0.0003545
Upper Lim.	0.001015	0.001015	0.001015	0.001015	0.001015	0.001015
Lower Lim.	0.00025	0.00065	0.000278	0.00027	0.000234	0.00027

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
4/1/2019				<0.001015		
4/2/2019						<0.001015
4/3/2019	<0.001015	<0.001015	<0.001015		<0.001015	
9/16/2019	<0.001015					
9/17/2019		<0.001015				
9/18/2019			<0.001015	<0.001015	<0.001015	<0.001015
2/18/2020				<0.001015		
2/25/2020	<0.001015		<0.001015		<0.001015	
2/26/2020		<0.001015				<0.001015
7/22/2020			<0.001015		<0.001015	
7/27/2020				<0.001015		
7/28/2020	<0.001015					<0.001015
7/29/2020		<0.001015				
4/5/2021	0.000319 (J)			0.000316 (J)		
4/6/2021		0.000347 (J)	0.000334 (J)			
4/7/2021						0.00032 (J)
4/12/2021					0.00038 (J)	
9/22/2021				0.00024 (J)		
9/27/2021						0.00037 (J)
9/28/2021	0.00032 (J)		0.00029 (J)		0.00029 (J)	
9/29/2021		0.00028 (J)				
4/19/2022				0.0003 (J)		
4/20/2022		0.00037 (J)			0.00186	
4/26/2022			0.00024 (J)			
4/27/2022	0.00021 (J)					
5/3/2022						<0.001015
8/30/2022	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015
Mean	0.0007405	0.000759	0.0007424	0.0007414	0.0009506	0.0008475
Std. Dev.	0.0003804	0.0003542	0.0003771	0.0003782	0.0004795	0.0003104
Upper Lim.	0.001015	0.001015	0.001015	0.001015	0.00186	0.001015
Lower Lim.	0.00021	0.00028	0.00024	0.00024	0.00029	0.00032

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
 Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
4/1/2019						<0.001015
4/2/2019	<0.001015	<0.001015	<0.001015	<0.001015	<0.001015	
9/17/2019		<0.001015				<0.001015
9/18/2019	<0.001015		<0.001015	<0.001015	<0.001015	
2/18/2020		<0.001015				
2/25/2020						<0.001015
2/26/2020	<0.001015		<0.001015	<0.001015	<0.001015	
7/27/2020		<0.001015				
7/28/2020	<0.001015		<0.001015	<0.001015	<0.001015	
7/29/2020						<0.001015
4/5/2021		0.000909 (J)				
4/6/2021						0.000333 (J)
4/7/2021	0.000307 (J)		0.000278 (J)	0.000259 (J)	0.000506 (J)	
9/21/2021						0.00031 (J)
9/27/2021	0.00031 (J)	0.00082 (J)	0.00036 (J)	0.00035 (J)	0.00037 (J)	
5/2/2022		0.00074 (J)				0.00031 (J)
5/3/2022	0.00026 (J)		0.00033 (J)	0.0003 (J)	0.00035 (J)	
8/30/2022	<0.001015	0.00055 (J)	0.000268 (J)	<0.001015	<0.001015	
8/31/2022						0.000367 (J)
Mean	0.000744	0.0008849	0.000662	0.000748	0.0007876	0.0006725
Std. Dev.	0.0003743	0.0001714	0.0003784	0.0003693	0.0003171	0.0003666
Upper Lim.	0.001015	0.001015	0.001015	0.001015	0.001015	0.001015
Lower Lim.	0.00026	0.00055	0.000268	0.000259	0.00035	0.00031

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
4/1/2019	<0.001015
9/17/2019	<0.001015
2/17/2020	<0.001015
7/29/2020	<0.001015
4/5/2021	0.000295 (J)
9/21/2021	0.00032 (J)
5/2/2022	0.00029 (J)
8/31/2022	0.000286 (J)
Mean	0.0006564
Std. Dev.	0.0003835
Upper Lim.	0.001015
Lower Lim.	0.000286

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-18	GN-AP-MW-19
4/1/2019						<0.000203
4/3/2019	<0.000203	<0.000203		<0.000203	<0.000203	
5/7/2019			<0.000203			
9/16/2019	<0.000203			<0.000203		
9/17/2019		<0.000203				
9/18/2019			<0.000203		<0.000203	<0.000203
2/18/2020	<0.000203					<0.000203
2/19/2020		<0.000203				
2/25/2020			<0.000203	<0.000203	<0.000203	
7/22/2020					<0.000203	
7/27/2020	<0.000203	<0.000203				<0.000203
7/28/2020			<0.000203	<0.000203		
4/5/2021	0.000113 (J)			0.000679		9.07E-05 (J)
4/6/2021		0.000142 (J)	0.000352		0.000633	
9/22/2021	0.00016 (J)	<0.000203				0.00011 (J)
9/28/2021			0.0004	0.00095	0.00132	
4/19/2022						0.00017 (J)
4/26/2022					0.0016	
4/27/2022				0.0007		
5/2/2022		0.00014 (J)	0.00027			
5/3/2022	0.00022					
8/30/2022				0.000978	0.00194	0.000137 (J)
8/31/2022			0.000193 (J)			
9/6/2022	0.00019 (J)					
9/7/2022		9.4E-05 (J)				
Mean	0.0001869	0.0001739	0.0002534	0.0005149	0.0007881	0.000165
Std. Dev.	3.449E-05	4.274E-05	8.044E-05	0.0003493	0.0007233	4.649E-05
Upper Lim.	0.0002009	0.000203	0.0004	0.000978	0.00194	0.000203
Lower Lim.	0.0001212	9.4E-05	0.000193	0.000203	0.000203	9.07E-05

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-21	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-8
4/1/2019					<0.000203
4/2/2019	<0.000203	<0.000203	<0.000203	<0.000203	
9/17/2019			<0.000203		<0.000203
9/18/2019	<0.000203	<0.000203		<0.000203	
2/18/2020			<0.000203		
2/25/2020					<0.000203
2/26/2020	<0.000203	<0.000203		<0.000203	
7/27/2020			<0.000203		
7/28/2020	<0.000203	<0.000203		<0.000203	
7/29/2020					<0.000203
4/5/2021			<0.000203		
4/6/2021					9.45E-05 (J)
4/7/2021	0.000374	0.000333		9.62E-05 (J)	
9/21/2021					<0.000203
9/27/2021	0.00024	0.00031	<0.000203	<0.000203	
5/2/2022			<0.000203		<0.000203
5/3/2022	0.00116	0.00015 (J)		9E-05 (J)	
8/30/2022	0.00109	0.000334	7.8E-05 (J)	0.000112 (J)	
8/31/2022					<0.000203
Mean	0.0004595	0.0002424	0.0001874	0.0001642	0.0001894
Std. Dev.	0.0004152	7.163E-05	4.419E-05	5.396E-05	3.836E-05
Upper Lim.	0.00116	0.000334	0.000203	0.000203	0.000203
Lower Lim.	0.000203	0.00015	7.8E-05	9E-05	9.45E-05

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
4/3/2019	0.26 (U)	0.2 (U)	0.669	0.577	0.189 (U)	
5/7/2019						1.36
9/16/2019	0.307 (U)	0.507 (U)	1.04			
9/17/2019				0.958 (U)	0.558 (U)	
9/18/2019						0.94
2/17/2020	0.379 (U)	0.568				
2/18/2020			1.34			
2/19/2020				0.702	0.404 (U)	
2/25/2020						0.669
7/22/2020	0.185 (U)	0.24 (U)				
7/23/2020					1.48	
7/27/2020			1.85	0.986		
7/28/2020						2.35
4/5/2021	0.579 (U)	0.13 (U)	1.2			
4/6/2021				0.66 (U)	0.875 (U)	1.2
9/21/2021	0.802 (U)	0.0771 (U)				
9/22/2021			1.4	0.834 (U)	0.44 (U)	
9/28/2021						1.04 (U)
4/27/2022					0.753 (U)	
5/2/2022	0.349 (U)	0.355 (U)		0.412 (U)		1.14 (U)
5/3/2022			1.09 (U)			
8/31/2022	0.73 (U)					0.868 (U)
9/6/2022		0.101 (U)	0.847 (U)		1.92	
9/7/2022				0.895 (U)		
Mean	0.4489	0.2723	1.18	0.753	0.8274	1.196
Std. Dev.	0.2271	0.1864	0.3631	0.2006	0.59	0.5123
Upper Lim.	0.6896	0.4699	1.564	0.9656	1.453	1.694
Lower Lim.	0.2082	0.07464	0.7946	0.5404	0.202	0.7204

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
4/1/2019				0.263 (U)		
4/2/2019						0.182 (U)
4/3/2019	3.43	0.907	1.49		13.8	
9/16/2019	3.55					
9/17/2019		2.09				
9/18/2019			1.25	0.29 (U)	15.7	0.435 (U)
2/18/2020				0.779		
2/25/2020	2.99		1.13		12.9	
2/26/2020		1.35				0.032 (U)
7/22/2020			2.35		15.6	
7/27/2020				1.68		
7/28/2020	3.49					0.275 (U)
7/29/2020		1.85				
4/5/2021	4.28			0.959 (U)		
4/6/2021		0.689 (U)	1.68			
4/7/2021						1.12 (U)
4/12/2021					15.6	
9/22/2021				0.368 (U)		
9/27/2021						0.815 (U)
9/28/2021	4.67		1.94		15.4	
9/29/2021		1.18				
4/19/2022				0.66 (U)		
4/20/2022		1.12 (U)			1.49	
4/26/2022			1.34			
4/27/2022	4.33					
5/3/2022						0.435 (U)
8/30/2022	4.95	1.14	1.46	1	12.7	0.697 (U)
Mean	3.961	1.291	1.58	0.7499	12.9	0.4989
Std. Dev.	0.6902	0.4673	0.4007	0.4743	4.777	0.3589
Upper Lim.	4.693	1.786	2.005	1.253	15.91	0.8793
Lower Lim.	3.23	0.7954	1.155	0.2471	11.48	0.1185

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
4/1/2019						-0.0724 (U)
4/2/2019	0.503	0.427	0.245 (U)	0.369	0.326 (U)	
9/17/2019		0.767				0.645
9/18/2019	0.165 (U)		0.435 (U)	0.586	0.56 (U)	
2/18/2020		0.231 (U)				
2/25/2020						0.362 (U)
2/26/2020	0.693		0.661	0.746	0.512 (U)	
7/27/2020		0.97 (U)				
7/28/2020	0.41 (U)		0.907 (U)	0.292 (U)	0.652 (U)	
7/29/2020						0.398 (U)
4/5/2021		0.474 (U)				
4/6/2021						0.53 (U)
4/7/2021	0.365 (U)		1.4	0.387 (U)	0.743 (U)	
9/21/2021						0.0496 (U)
9/27/2021	0.892 (U)	0.745 (U)	1.34	0.314 (U)	0.319 (U)	
5/2/2022		0.658 (U)				0.465 (U)
5/3/2022	0.617 (U)		0.958 (U)	0.478 (U)	0.596 (U)	
8/30/2022	0.759 (U)	1.11	0.775 (U)	0.856 (U)	0.842 (U)	
8/31/2022						0.41 (U)
Mean	0.5505	0.6728	0.8401	0.5035	0.5688	0.3484
Std. Dev.	0.236	0.2901	0.4029	0.208	0.1841	0.2412
Upper Lim.	0.8006	0.9802	1.267	0.724	0.7639	0.6041
Lower Lim.	0.3004	0.3653	0.4131	0.283	0.3736	0.09271

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
4/1/2019	0.334
9/17/2019	0.194 (U)
2/17/2020	0.38 (U)
7/29/2020	0.28 (U)
4/5/2021	0.843 (U)
9/21/2021	1.05 (U)
5/2/2022	0.891
8/31/2022	0.741 (U)
Mean	0.5891
Std. Dev.	0.3277
Upper Lim.	0.9364
Lower Lim.	0.2418

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
4/3/2019	<0.125	<0.125	<0.125	<0.125	0.106	
5/7/2019						0.0937 (J)
9/16/2019	<0.125	<0.125	0.0538 (J)			
9/17/2019				0.0753 (J)	0.116	
9/18/2019						0.094 (J)
2/17/2020	0.051 (J)	0.0546 (J)				
2/18/2020			0.0571 (J)			
2/19/2020				0.06 (J)	0.122	
2/25/2020						0.0995 (J)
7/22/2020	<0.125	<0.125				
7/23/2020					0.0954 (J)	
7/27/2020			<0.125	<0.125		
7/28/2020						0.0738 (J)
4/5/2021	0.0627 (J)	0.0634 (J)	0.0733 (J)			
4/6/2021				0.0794 (J)	0.124	0.116
9/21/2021	0.0847 (J)	0.0847 (J)				
9/22/2021			0.0887 (J)	0.117	0.149	
9/28/2021						0.09 (J)
4/27/2022					0.0652 (J)	
5/2/2022	<0.125	<0.125		<0.125		0.08 (J)
5/3/2022			<0.125			
8/31/2022	<0.125					0.0842 (J)
9/6/2022		<0.125	<0.125		0.0891 (J)	
9/7/2022				<0.125		
Mean	0.1029	0.1035	0.09661	0.104	0.1083	0.0914
Std. Dev.	0.03181	0.03085	0.03212	0.02751	0.02549	0.01296
Upper Lim.	0.125	0.125	0.125	0.125	0.1354	0.1051
Lower Lim.	0.051	0.0546	0.0538	0.06	0.08132	0.07766

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
4/1/2019				0.0563 (J)		
4/2/2019						<0.125
4/3/2019	0.12	0.182	0.0678 (J)		0.0657 (J)	
9/16/2019	0.126					
9/17/2019		0.187				
9/18/2019			0.0551 (J)	0.0507 (J)	<0.125	0.0749 (J)
2/18/2020				0.0557 (J)		
2/25/2020	0.133		0.0701 (J)		0.0566 (J)	
2/26/2020		0.189				0.0804 (J)
7/22/2020			0.0628 (J)		<0.125	
7/27/2020				<0.125		
7/28/2020	0.124					<0.125
7/29/2020		0.185				
4/5/2021	0.159			0.088 (J)		
4/6/2021		0.179	<0.125			
4/7/2021						0.0739 (J)
4/12/2021					0.0644 (J)	
9/22/2021				0.0965 (J)		
9/27/2021						0.0914 (J)
9/28/2021	0.125		0.0839 (J)		0.0828 (J)	
9/29/2021		0.211				
4/19/2022				<0.125		
4/20/2022		0.128			<0.125	
4/26/2022			<0.125			
4/27/2022	0.0766 (J)					
5/3/2022						<0.125
8/30/2022	0.114 (J)	0.115 (J)	<0.125	<0.125	<0.125	<0.125
Mean	0.1222	0.172	0.08934	0.09028	0.09619	0.1026
Std. Dev.	0.02283	0.03282	0.0306	0.0329	0.03164	0.02454
Upper Lim.	0.1464	0.204	0.125	0.125	0.125	0.125
Lower Lim.	0.098	0.1395	0.0551	0.0507	0.0566	0.0739

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
4/1/2019						0.0956 (J)
4/2/2019	0.0613 (J)	<0.125	0.0555 (J)	0.0586 (J)	0.052 (J)	
9/17/2019		<0.125				0.0971 (J)
9/18/2019	0.065 (J)		0.0568 (J)	0.0634 (J)	0.0578 (J)	
2/18/2020		0.0506 (J)				
2/25/2020						0.0898 (J)
2/26/2020	0.0687 (J)		0.0647 (J)	<0.125	0.0523 (J)	
7/27/2020		<0.125				
7/28/2020	<0.125		<0.125	<0.125	<0.125	
7/29/2020						0.0742 (J)
4/5/2021		0.0842 (J)				
4/6/2021						0.114
4/7/2021	0.0834 (J)		0.0874 (J)	0.0872 (J)	0.0705 (J)	
9/21/2021						0.132
9/27/2021	0.1	0.0702 (J)	0.0989 (J)	0.0862 (J)	0.0882 (J)	
5/2/2022		<0.125				0.111 (J)
5/3/2022	0.0819 (J)		0.0648 (J)	<0.125	<0.125	
8/30/2022	<0.125	<0.125	<0.125	<0.125	<0.125	
8/31/2022						<0.125
Mean	0.08879	0.1038	0.08476	0.09943	0.08698	0.1048
Std. Dev.	0.02549	0.03068	0.02899	0.02904	0.03357	0.01918
Upper Lim.	0.09076	0.125	0.08848	0.125	0.125	0.1252
Lower Lim.	0.06268	0.0506	0.05422	0.0586	0.052	0.0845

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
4/1/2019	0.136
9/17/2019	0.128
2/17/2020	0.15
7/29/2020	0.116
4/5/2021	0.15
9/21/2021	0.181
5/2/2022	0.122 (J)
8/31/2022	0.089 (J)
Mean	0.134
Std. Dev.	0.0274
Upper Lim.	0.163
Lower Lim.	0.105

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-13	GN-AP-MW-19	GN-AP-MW-5
4/1/2019		<0.000203	
4/2/2019			<0.000203
4/3/2019	<0.000203		
9/17/2019	<0.000203		
9/18/2019		<0.000203	<0.000203
2/18/2020		<0.000203	
2/19/2020	<0.000203		
2/26/2020			<0.000203
7/27/2020	<0.000203	<0.000203	
7/28/2020			<0.000203
4/5/2021		<0.000203	
4/6/2021	0.000106 (J)		
4/7/2021			0.00014 (J)
9/22/2021	<0.000203	<0.000203	
9/27/2021			0.0001 (J)
4/19/2022		0.00019 (J)	
5/2/2022	<0.000203		
5/3/2022			0.0001 (J)
8/30/2022		<0.000203	0.00013 (J)
9/7/2022	<0.000203		
Mean	0.0001909	0.0002014	0.0001603
Std. Dev.	3.429E-05	4.596E-06	4.765E-05
Upper Lim.	0.000203	0.000203	0.000203
Lower Lim.	0.000106	0.00019	0.0001

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-15R	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-20	GN-AP-MW-5
4/2/2019						0.0242
4/3/2019		0.0814	0.716	0.0393	0.115	
5/7/2019	0.164					
9/16/2019		0.0926				
9/17/2019			0.785			
9/18/2019	0.186			0.0492	0.131	0.043
2/25/2020	0.0848	0.0951		0.0465	0.137	
2/26/2020			0.752			<-0.02
7/22/2020				0.0507	0.125	
7/28/2020	0.0559	0.0903				0.0361
7/29/2020			0.731			
4/5/2021		0.111				
4/6/2021	0.0423		1.01	0.05		
4/7/2021						0.01 (J)
4/12/2021					0.139	
9/27/2021						0.00862 (J)
9/28/2021	0.0326	0.126		0.0506	0.137	
9/29/2021			1.03			
4/20/2022			1.02		0.119	
4/26/2022				0.0464		
4/27/2022		0.127				
5/2/2022	0.0278					
5/3/2022						<-0.02
8/30/2022		0.143	1.09	0.0456	0.117	<-0.02
8/31/2022	0.026					
Mean	0.07743	0.1083	0.8918	0.04729	0.1275	0.02274
Std. Dev.	0.06342	0.02185	0.1588	0.003811	0.009783	0.0118
Upper Lim.	0.1371	0.1315	1.09	0.05114	0.1379	0.03259
Lower Lim.	0.02342	0.08514	0.716	0.04339	0.1171	0.004877

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-6
4/2/2019	<0.02
9/18/2019	<0.02
2/26/2020	<0.02
7/28/2020	<0.02
4/7/2021	<0.02
9/27/2021	<0.02
5/3/2022	0.0178 (J)
8/30/2022	0.00779 (J)
Mean	0.0182
Std. Dev.	0.004276
Upper Lim.	0.02
Lower Lim.	0.00779

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10	GN-AP-MW-11	GN-AP-MW-12	GN-AP-MW-13	GN-AP-MW-14	GN-AP-MW-15R
4/3/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
5/7/2019						0.292
9/16/2019	<0.01	<0.01	<0.01			
9/17/2019				<0.01	<0.01	
9/18/2019						0.307
2/17/2020	<0.01	<0.01				
2/18/2020			<0.01			
2/19/2020				<0.01	<0.01	
2/25/2020						0.209
7/22/2020	<0.01	<0.01				
7/23/2020					<0.01	
7/27/2020			<0.01	<0.01		
7/28/2020						0.167
4/5/2021	0.000248	0.00033	0.000366			
4/6/2021				0.000329	0.000298	0.156
9/21/2021	0.00018 (J)	0.00026				
9/22/2021			0.0003	0.00031	0.00052	
9/28/2021						0.137
4/27/2022					0.00052	
5/2/2022	0.00021	0.00038		0.0003		0.144
5/3/2022			0.00033			
8/31/2022	0.000158 (J)					0.138
9/6/2022		0.000269	0.000272		0.000701	
9/7/2022				0.000315		
Mean	0.005099	0.005155	0.005158	0.005157	0.005255	0.1938
Std. Dev.	0.005239	0.00518	0.005176	0.005178	0.005074	0.06934
Upper Lim.	0.01	0.01	0.01	0.01	0.01	0.307
Lower Lim.	0.000158	0.00026	0.000272	0.0003	0.000298	0.137

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-16	GN-AP-MW-17	GN-AP-MW-18	GN-AP-MW-19	GN-AP-MW-20	GN-AP-MW-21
4/1/2019				0.0132		
4/2/2019						0.00611 (J)
4/3/2019	0.311	2.33	0.0214		0.803	
9/16/2019	0.32					
9/17/2019		2.33				
9/18/2019			0.0243	0.0128	0.837	0.0172
2/18/2020				0.0129		
2/25/2020	0.343		0.0228		0.813	
2/26/2020		2.83				0.0139
7/22/2020			0.0244		0.784	
7/27/2020				0.0133		
7/28/2020	0.328					0.00969 (J)
7/29/2020		2.79				
4/5/2021	0.514			0.0137		
4/6/2021		3.56	0.0307			
4/7/2021						0.00838
4/12/2021					0.811	
9/22/2021				0.0136		
9/27/2021						0.00769
9/28/2021	0.538		0.0592		0.845	
9/29/2021		3.23				
4/19/2022				0.0146		
4/20/2022		2.99			0.84	
4/26/2022			0.0598			
4/27/2022	0.519					
5/3/2022						0.0116
8/30/2022	0.529	2.84	0.069	0.0144	0.785	0.0101
Mean	0.4253	2.863	0.03895	0.01356	0.8148	0.01058
Std. Dev.	0.1072	0.4161	0.02004	0.0006567	0.024	0.003587
Upper Lim.	0.538	3.303	0.069	0.01426	0.8402	0.01439
Lower Lim.	0.311	2.422	0.0214	0.01287	0.7893	0.006781

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down

Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-22	GN-AP-MW-4	GN-AP-MW-5	GN-AP-MW-6	GN-AP-MW-7	GN-AP-MW-8
4/1/2019						<0.01
4/2/2019	0.0703	<0.01	0.164	0.0166	<0.01	
9/17/2019		<0.01				<0.01
9/18/2019	0.0895		0.261	0.0138	<0.01	
2/18/2020		<0.01				
2/25/2020						<0.01
2/26/2020	0.0691		0.0546	0.0157	<0.01	
7/27/2020		<0.01				
7/28/2020	0.0677		0.215	0.0185	<0.01	
7/29/2020						<0.01
4/5/2021		0.000137 (J)				
4/6/2021						0.000895
4/7/2021	0.0456		0.0562	0.0119	0.00021	
9/21/2021						0.00072
9/27/2021	0.0388	0.00026	0.0541	0.0118	0.00026	
5/2/2022		0.0003				0.00107
5/3/2022	0.0342		0.0389	0.00912	0.00024	
8/30/2022	0.0418	0.000242	0.0384	0.00761	0.000281	
8/31/2022						0.000733
Mean	0.05713	0.005117	0.1103	0.01313	0.005124	0.005427
Std. Dev.	0.01966	0.00522	0.08945	0.003737	0.005213	0.00489
Upper Lim.	0.07796	0.01	0.261	0.01709	0.01	0.01
Lower Lim.	0.03629	0.000137	0.0384	0.009168	0.00021	0.00072

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-9
4/1/2019	<0.01
9/17/2019	<0.01
2/17/2020	<0.01
7/29/2020	<0.01
4/5/2021	0.000821
9/21/2021	0.00102
5/2/2022	0.0012
8/31/2022	0.00128
Mean	0.00554
Std. Dev.	0.00477
Upper Lim.	0.01
Lower Lim.	0.000821

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-10
4/3/2019	<0.00102
9/16/2019	<0.00102
2/17/2020	<0.00102
7/22/2020	<0.00102
4/5/2021	<0.00102
9/21/2021	<0.00102
5/2/2022	0.00055 (J)
8/31/2022	0.000532 (J)
Mean	0.0009002
Std. Dev.	0.0002218
Upper Lim.	0.00102
Lower Lim.	0.000532

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/28/2022 12:03 PM View: Constituents View - Down
Plant Gaston Client: Southern Company Data: Gaston Ash Pond

	GN-AP-MW-17	GN-AP-MW-18
4/3/2019	<0.0002	0.00034 (J)
9/17/2019	<0.0002	
9/18/2019		0.000479 (J)
2/25/2020		0.000426 (J)
2/26/2020	<0.0002	
7/22/2020		0.000456 (J)
7/29/2020	<0.0002	
4/6/2021	<0.0002	0.000389
9/28/2021		0.00036
9/29/2021	<0.0002	
4/20/2022	8E-05 (J)	
4/26/2022		0.00044
8/30/2022	9.1E-05 (J)	0.000487
Mean	0.0001714	0.0004221
Std. Dev.	5.308E-05	5.428E-05
Upper Lim.	0.0002	0.0004797
Lower Lim.	8E-05	0.0003646